पेटेंट कार्यालय
शासकीय जर्नल

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पेटेंट कार्यालय का एक प्रकाशन

PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

2nd MARCH, 2018

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THE PATENT OFFICE
KOLKATA, 02/03/2018
Address of the Patent Offices/Jurisdictions
The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-

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Website: www.ipindia.nic.in
www.patentoffice.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

कोलकाता, दिनांक 02/03/2018

• कार्यालयों के क्षेत्राधिकार के पते

विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए है:-

1	**कार्यालय : महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिहन,** **एंटोप हिल डाकघर के समीप,** **एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत,** **फोन: (91) (22) 24123311** **फ़ैक्स: (91) (22) 24123322** **ई. मेल: cgpdtm@nic.in**	4	**पेटेंट कार्यालय, भारत सरकार** **इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट** **एसआईडीसीओ आरएमडी गोडाउन एरिया** **एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी** **चेन्नई - 600 032.** **फोन: (91)(44) 2250 2081-84** **फ़ैक्स: (91)(44) 2250-2066** **ई. मेल: chennai-patent@nic.in** ❖ **आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप**
2	**पेटेंट कार्यालय, भारत सरकार** **बौद्धिक संपदा भवन,** **एंटोप हिल डाकघर के समीप,** **एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,** **फोन: (91) (22) 24137701** **फ़ैक्स: (91) (22) 24130387** **ई. मेल: Mumbai-patent@nic.in** ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली	5	**पेटेंट कार्यालय, भारत सरकार** **कोलकाता, (प्रधान कार्यालय)** **बौद्धिक संपदा भवन,** **सीपी-2, सेक्टर- V, साल्ट लेक सिटी,** **कोलकाता-700 091, भारत.** **फोन: (91)(33) 2367 1943/44/45/46/87** **फ़ैक्स:/Fax: (91)(33) 2367 1988** **ई. मेल: kolkata-patent@nic.in** ❖ **भारत का अवशेष क्षेत्र**
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वेबसाइट: http://www.ipindia.nic.in

www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे।

शुल्क: शुल्क या तो नगद रूप में या Controller of Patents **के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है ।**

SPECIAL NOTICE

18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

SPECIAL NOTICE

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18th months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

SPECIAL NOTICE

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is there is no third party representation.

Early Publication:

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201611044190 A
(19) INDIA
(22) Date of filing of Application :24/12/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : A NEW CLASS OF NON-CHEMICALLY AMPLIFIED MOLECULAR PHOTORESISTS FOR NEXT GENERATION INTEGRATED CIRCUITS (ICS) TECHNOLOGY

(51) International classification :G03F7/426
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)Midathala Yogesh
4)Neha Thakur
5)Pulikanti Guruprasad Reddy
6)Santu Nandi
7)Satinder K. Sharma
8)Subrata Ghosh

(57) Abstract :
The present invention describes the design and development of new class molecular n-CAR resists for micro/nano patterning applications. The synthesized n-CAR resists are sensitive to the light and radiations and are able to pattern 10 um-sub 20 nm isolated dense line features under various lithography wavelength tools including EUV (13.5 nm), DUV (254 nm), i-line (365 nm), electron beam (e-beam) and helium ion beam. This invention addresses many of the road blocks in semiconductor Industries for fabricating nano electronic devices with 20 nm nodes and beyond.

No. of Pages : 30 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/02/2018

(21) Application No.201821006508 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND SYSTEM FOR EFFECTIVE WIRELESS COMMUNICATION USING COMBINED MODULATION AND CODING RATE BASED ON DATA USING SOFTWARE DEFINED RADIO

(51) International classification	:H04L 1/00 H04N 19/00 H04L 25/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)Dr. Dipankar Deb
(72)**Name of Inventor :**
1)DR. BATHULA SIVA KUMAR REDDY
2)Dr. Dipankar Deb

(57) Abstract :
The present invention includes the design and testing of a system to achieve high spectral efficiency, throughput and energy efficiency with less error rate. This invention mainly focusses on separating the users based on the data using a designed user separation unit and allotting the particular modulation and coding scheme for each user to achieve higher data rates. Higher order modulation technique with higher code rate is allotted to the primary user and lower order modulation technique with lower code rate is allotted to the secondary user. All the primary and secondary users are multiplexed by employing a new and modified non-orthogonal multiple access (NOMA) technique. If any particular frequency is not being used by the primary user, that frequency can be allotted to the secondary user without disturbing any primary user by utilizing a new modified energy detection spectrum sensing technique to optimize the spectral efficiency. For the practical proof of the proposed inventions, an experimental setup software defined radio (SDR) in which universal software radio peripheral (USRP) N210 as hardware platform and GNU Radio are employed.

No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2017

(21) Application No.201721035504 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MICROWAVE INDUCED SYNTHESIS OF β-BENZOYL PROPIONIC ACID AND THEIR DERIVATIVES

(51) International classification	:C07C 45/00 C07C 51/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Abstract: In recent study are concentrate on green innovation i.e. microwave induced organic synthesis. In present research work one pot synthesis of p- Benzoyl propanoic acid (P-BPA) and their derivatives via Friedel Craft acylation reaction. In conventional method, benzene and succinic anhydride are condensed with anhydrous aluminum chloride and five steps for work-up in reaction to gives desired product. For above such preparation required thermal heating, vast set up of assembly of instrument and glasswares. Microwave induced synthesis of P-BPA it lessened to two stages on firstly acylation by using microwave irradiation and in second hydrolysis. β- BPA is a precursor for synthesis of 1-phenyl naphthalene and therapeutic medicinal drugs. All the products are characterized by IR, H1NMR, Mass spectra.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/02/2018

(21) Application No.201841006506 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PRODUCTION OF SOLAR PANELS BY USING RADIOACTIVE ELEMENTS

(51) International classification :G21H1/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Renewable energy is generally defined as energy that is collected from resources which are naturally replenished on a human timescale, such as sunlight, wind, rain, tides, waves, and geothermal heat. Renewable energy often provides energy in four important areas: electricity generation, air and water heating/cooling, transportation, and rural (off-grid) energy services. My research deals with production of effective electricity in solar power. By using the nuclear waste into useful method. Acquiring nuclear waste into solar panels and increasing the power production through solar panels. And also effective utilization of nuclear waste. The process mainly consist of two designs namely (1) Composite method, here the coating of the nuclear elements are made. (2)Embedded Method, here the particles of unclear waste are embedded in the solar panels and the energy is utilized.

No. of Pages : 5 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/02/2018

(21) Application No.201841006563 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEM AND METHOD FOR GENERATING ELECTROMAGNETIC POWER

(51) International classification	:G01N 3/31
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)DEVARAPALLI DEVID RAJU

(57) Abstract :
7. ABSTRACT Exemplary embodiments of the present disclosure are directed towards a system and method for generating electromagnetic power. The system includes a shaft of a magnetic motor coupled to a fly wheel, whereby the fly wheel is further connected to a shaft of an electric generator via a conveyor belt thereby the magnetic motor starts the rotations from a battery then alternately the fly wheel further starts the rotations transfer to the shaft of the electric generator via the conveyor belt by means of the magnetic field generated from the continuous rotations of the magnetic motor resulting in the continuous electromagnetic power generated from the electric generator without any input power source.

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/02/2018

(21) Application No.201841006570 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : INTEGRATED PORTABLE SOLAR CHARGING AND ENERGY STORAGE DEVICE

(51) International classification :H02S20/30
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The people witness advancements in the field of science and technology every day. This is due their dependency on the electronic gadgets to do their day-to-day works. This increases the need of electricity and also improved efficiency. Though portable devices are taking sky-rocketing development and upgrades every day the major issues are going unnoticed by others, one of such issue is the consumption of electricity which is produced from the non-renewable resources leading to depletion of natural resources and on the other side loss of time that is caused due to various factors like charging these devices, maintaining them and spent most of the time in making it work efficiently rather than use it. These problems can be tackled with a single solution of using renewable energy to produce electricity and utilize it to power day to day electronics gadgets. The light weight portable electronics powered by solar energy with fast charging capabilities can be a great boon to the people who rely on technology to do almost everything. Thus by integrating a device which is capable of operating as both a charging device and also a power storage device based on solar energy makes sure the people do not need an electrical socket to charge their devices and also capable of charging in long run like trekking, hiking and many more as it can be easily carried in our pockets anywhere. Thus a micro controller programmed with MPPT algorithm and also used to control the bidirectional SEPIC converter, super capacitor and rechargeable battery and switches to efficiently control the fast charging, discharging rates and its storage so that it can be operated irrespective of the lighting conditions which is an feature that is not present in present technologies.

No. of Pages : 8 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201841006861 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SECURITY BASED WIRELESS SMART LEDGE

(51) International classification	:H01H 73/06
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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9)Ms.R.Kiruthika

(57) Abstract :
This paper presents the security based cost effective door bell system with innovative technologies. Nowadays, the electrical components are being replaced partially by electronic components with the development in technologies. This paper includes the implementation of Arduino based door bell system which are designed to send the message to the house member about the entry of the visitor. Node MCU conveys the information about the entry of visitors. Also the voice message will be delivered at the entrance of the home if the house members are unavailable. In case of any unlikely event like fire accident or Gas leakage at home the emergency alert message will be sent to house members. Thus the proposed system ensures the security and safety of the residents in an economical way.

No. of Pages : 8 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201841006862 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SPARTAN ANNOTATOR KIT TO PERSUATE THE QUALITY AND ENGAGE THE FUNDAMENTAL OPERATIONS OF IC PACKAGE

(51) International classification :H05K1/0268
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)Dr.S.Vimalraj
4)Mr.T.Bharani Prakash
5)E.Vallimurugan
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2)S.Jayanandhini
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4)J.Nandhtni
5)M.Jayalakshmi
6)S.Sridharshini
7)A.Shanmathi
8)R.Savundarya
9)R.Santhiya

(57) Abstract :
The proposed ICCHECKER AND TRAINER ANDKIT is an innovative device which can be multi purposed either to check the performance of agiven IC or to perform the combinational logicoperations. A step down transformer has been employed and inbuilt in the kit to convert the power supply to the devices nominal voltage. The rectifiers are then placed to convert the incoming alternating supply to a constant direct voltage. Further, the KIT is provided with a voltage regulator and a capacitor operating with various operating ranges. The LEDs play a major role in detecting the performance of the given IC. One end of the LED is supplied with power and the other end is provided with the output from the IC .This greatly helps us to find out any fault within the IC and indicate them. So, we can avoid the usage of damaged IC. This way, we can check the longevity, strength, output, and other performances of the given IC.

No. of Pages : 11 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201841006864 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPLEMENTATION OF SMART HOURGLASS USING ARDUINO BOARD

(51) International classification :G06F17/30672
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)Dr.S.Vimalraj
3)Dr.E.Nandakumar
4)Mr.T.Selvavinayagam
5)Mr.S.Sri Parthasarathy
(72)**Name of Inventor :**
1)Mrs.K.Janani
2)Ms.S.Monisha
3)Ms.B.Monisa
4)Ms.S.Monisha
5)Ms.T.Karthika Devi
6)Ms.l.Keerthana
7)Ms.R.V.Mamtha
8)Ms.RJanani
9)Mr.P.Anish Kumar

(57) Abstract :
Implementation of Smart Hourglass using Arduino Board Time piece displays the time by means of digits. It is used in many applications like houses, offices etc., In this dual supply is provided. Solar panels are used. Time piece is made up of arduino, LDR, Regulator, seven segment display. In this Regulator is used to regulate the supply. This time piece is also attached with an Bluetooth. The seven segment display is used to display the time accurately. Time can be set either in normal time or railway time. In addition to the display of time here we use insect reflectors, regulators, RTC modules .speakers, Light Dependent Resistor.

No. of Pages : 6 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201841006877 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ECONOMICALLY FEASIBLE AND COMPACT MOSQUITO NET WITH AIR COOLING TECHNOLOGY

(51) International classification :A47C29/006
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Dr. V.Sugumaran
2)Graceson Jeriel Frederick

(57) Abstract :
ABSTRACT With the pollution in our neighborhood increasing day by day the count of mosquitoes is increasing leaps and bounds. Even though there are several repellents that have come up in recent times they have an adverse effect on the health of the person some way or the other. When mosquito nets are installed they easily hamper the flow of air inside the net at the same time increasing the humidity as well. As a result of the above problem there is a need to make use of another external cooling device that consumes a lot of current which in turn increases the number of units of power that is being consumed in a longer period of time. Moreover, most of the nets these days do not provide an 100% protection from mosquitoes as they somehow find a way through the base of the net. The idea here is to counter all the above-mentioned problems in one go at the same time not to increase the price that has to be spent on the product. Therefore, the frame has to be designed in such a way that it compact and can be easily removed. The material of the frame has to be cheap and at the same time sturdy. The net should be easily attachable to the frame along with a proper base structure to make sure mosquitoes do not enter inside the net once the user gets inside the system. An air cooling unit has to be fabricated right from the start using the principle of heat transfer. A blower of reasonable output and smaller size has to be used. This will make sure that the temperature is maintained optimal and the humidity also does not get too high. A specifically designed duct is placed at the mouth of the blower to make sure that the treated air is blown to the places into the net wherever it is required. The entire blower and the heat exchanger setup needs to be compact and easy to carry. The entire setup has to be economic both financially and in bovver consumption so that it is affordable to lower middle-class people. Instrumentation has to be done for the setup in order to determine various factors such as temperature and humidity. For this purpose, several sensors need to be used.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/05/2017
(21) Application No.201741017648 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AUTO ENERGY GENERATION MILLS WITHOUT REGULAR INPUT ENERGY

(51) International classification	:F01K13/00; F23G5/00;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)S.THANKA SWAMY

(57) Abstract :
Auto energy generation mills of the present invention comprise of giant geared disk system and invisible tubular hollow arms built in to the disk. The present invention converts the kinetic energy into electrical energy, wherein the said kinetic energy is generated by the inbuilt technology of the said disk which allows the creation of the centripetal acceleration and accomplishes continuous rotational operation. The said disk comprises of central shaft connected transmission gear unit that achieves the necessary speed to generate power through a generator arrangement and the power is stored in an electrical panel. 5 - 10% of the charged electrical energy can be utilized as a regenerative power to die motorized drive thus disconnecting the external energy source. Further 90-95% of the produced electrical power is continuously achieved from the present system and available as an input energy source for external equipment/devices.

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2017

(21) Application No.201741045240 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MINI SILAGE BALER

(51) International classification	:A01F15/07; B30B5/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :4th floor, BabuKhan Rasheed Plaza, Road no. 36, Jubilee Hills, HYDERABAD, TELANGANA. Telangana India
(72)**Name of Inventor :**
1)MADHAV KSHATRIYA

(57) Abstract :
Embodiments of the present invention relate to device for producing bales. The device includes a bale forming chamber comprising a fixed chamber part and a movable chamber part, a conveyor configured to provide silage feed to the feed inlet of the bale forming chamber, an external wrapping unit for wrapping the bale ejected and a chassis on which the bale forming chamber and the external wrapping unit are arranged. The bale forming chamber further includes offset bearing plates for making the bale forming chamber compact in size. FIG. 1

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/02/2018

(21) Application No.201841007056 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A POWER ENHANCER

(51) International classification :H02K51
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Kinnera Shiva Prasad
Address of Applicant :No: 31, 2nd Floor, Harsha Mahal, 10th Main, 4th Cross, Sriranga Street, Hanumanthanagar, Bengaluru - 560019, Karnataka, India Karnataka India
(72)**Name of Inventor :**
1)Kinnera Shiva Prasad

(57) Abstract :
A power enhancer comprises a motor (1) comprising first shaft (2); first power cable (3) that transmits power from UPS socket (29) to motor (1); first gear (4); second gear (8) that is coupled with first end of second shaft (11); third gear (13) that is coupled with second end of the second shaft (11); plurality of gears (14) that is in contact with third gear (13) to achieve greater speed than torque, wherein each gear in plurality of gears (14) is associated with corresponding permanent magnet generator (16); an output cable (17) that is associated with each permanent magnet generator (16); multi-connector (20); rectifier (21); cable (22); UPS (23); battery (24); second power cable (25); third power cable (26); and fourth power cable (27). The first gear (4), second gear (8), third gear (13), and plurality of gears (14) are configured in appropriate ratios for enhancing output power.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/03/2017
(21) Application No.201741007433 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MULTILAYER MULTIFUNCTIONAL NASAL FILTER

(51) International classification	:D04H 3/00	(71)**Name of Applicant :** **1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IIT Madras)** Address of Applicant :The Dean, Industrial Consultancy & Sponsored Research [ICSR] Indian Institute of Technology Madras IIT P.O, Chennai 600 036, India Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72)**Name of Inventor :**
(87) International Publication No	: NA	**1)Thalappil Pradeep**
(61) Patent of Addition to Application Number	:NA	**2)Arun Karthick S**
Filing Date	:NA	**3)Pillalamarri Srikrishnarka**
(62) Divisional to Application Number	:NA	**4)Vishal Kumar**
Filing Date	:NA	**5)Ramesh Kumar**

(57) Abstract :
ABSTRACT An improved nasal filter to remove particles below 10 µm in size has been fabricated by utilizing multilayered molecularly functionalized nanofibres. The nasal filter described here comprises of a substrate and two layers of surface functionalized nanofibres deposited on the substrate. Multilayer nasal filter composition comprises, in the direction of flow, a) an external substrate layer made of spun-bonded nonwoven polymer mat which faces outside of nose, b) the first intermediate layer made of nanofibres with molecularly induced positive charge, c) the second intermediate layer made of nanofibres with molecularly induced negative charge and d) an internal substrate layer made of spun-bonded nonwoven polymer mat which faces inside the nose. The multilayer nasal filter improves the quality of inhaled air with a filtration efficiency of 99 % for PM2.5, wherein the filter provides comfortable and customized fit. The filter with appropriate functionalities also retains molecular contaminants of air. Modified filters acts also as a humidity sensors during respiration.

No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201641029460 A
(19) INDIA
(22) Date of filing of Application :30/08/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : WATER PROOF ROOFING SHEETS

(51) International classification	:E04D 3/00	(71)**Name of Applicant :** **1)Joseph Mathew** Address of Applicant :Sankurikal House, Elite Gardenia, Puzhakkal P.O.,Thrissur- 680553. Kerala India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :** **1)Joseph Mathew**
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
A 100 % leak proof roofing sheet comprising of plurality of uniquely shaped crowns capable of being sandwiched with capping of similar shape and material to cover the fasteners on the roofing sheet and capping is capable of holding or attaching solar panels onto the ribs without any penetration using mounting clips. Fig. 1

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/02/2018

(21) Application No.201841004438 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SYSTEM, METHOD AND MICRO CONTROLLER BASED APPARATUS FOR ANALYZING THE TDS (TOTAL DISSOLVED SOLIDS) OF RAW WATER FOR WATER PURIFICATION SYSTEMS

(51) International classification	:G01N 27/00, G01N 33/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)ARUN KUMAR SELVARAJ

(57) Abstract :
An intelligent analyzing technology (IIROS) for input water before treatment for becoming potable using a water treatment plant / system is provided. The Micro controller based intelligent system enables the analysis of the TDS (total dissolved solids) of any given sample of water and based upon the TDS content in PPM (parts per million) decisions like to treat the given water using Reverse Osmosis (RO) or UV (Ultra Violet) modes can be taken up. The IIROS technology can be enabled to be interface with electronic gadgets and data transmission can be enabled through mobile phone devices and also can be used with Blue tooth interfacing devices. Further, enablement of value added service advancements like IOT (Internet of Things) can be done with the IIROS feature, thus achieving a comprehensive water treatment solutions with optimal usage of resources used for water treatment.

No. of Pages : 10 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/09/2017
(21) Application No.201741033742 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ASYMMETRICAL CASCADED H-BRIDGE MULTILEVEL INVERTER WITH REDUCED POWER SWITCHES

(51) International classification	:H02M1/12; H02M1/42; H02M7/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)GADDAM. SRIDHAR
(72)**Name of Inventor :**
1)Dr. P. SATISH KUMAR
2)GADDAM. SRIDHAR

(57) Abstract :
Present invention relates to a seven level asymmetrical cascaded H-bridge multilevel inverter with switched series-parallel DC sources is disclosed. At least two DC voltage sources along with polarity generation circuit are used. The invention uses a multi carrier pulse width modulation (PWM) technique for a cascaded H-bridge multilevel inverter with reduced number of switches developed by asymmetrical topology. The circuit comprises of two sections, one is polarity generation circuit comprises of three switches. Second is polarity conversion circuit which is inverter circuit. The switching states of the proposed multi level inverter with specific combination of the switches and corresponding voltage levels for seven-level are shown in the table. The output of the polarity generation circuit is fed to the polarity conversion circuit where positive and negative voltage levels are generated.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201841006885 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SIMULTANEOUS RENEWABLE POWER GENERATION OF SEA WAY SYSTEM

(51) International classification :B63B1/121
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)U. ARUMUGAPERUMAL

(57) Abstract :
The worldwide concerns regarding the depletion of fossil fuels have been a hot topic for many years. Currently Renewable sources of energy are becoming more attractive in the case of Power Generation. In our project we are using Wind Energy and Ocean Energy as well. Actually this project is going to be implemented in a boat. We install a Small wind power plant at the front end of the boat and at the back of the boat we install wave driven turbine. As wind plant concerned, wind blades will be automatically adjusted by wind indicator in the direction the boat sails and it is rotated. This will in turn connected with the Generator. Thereby Electrical power is generated. In another way, Electrical power is generated by air-driven turbine systems. The primary conversion is from wave to the slit. The secondary stage is extracting the mechanical energy to the rotation of the shaft of the turbine. The last stage is converting the mechanical rotation into electric power through electric generators. This system consists of a floating buoy with an chamber and an wave-driven generator. In this system, when the waves hit the body, the water level inside the channel of the buoy increases. This increase in water level applies a pressure to the wave in the chamber. When the wave , it applies a force to the slit and rotates it. This turbine drives the electric generator, creating electricity at its output terminals. When the waves are pulled back to the ocean, the air in the air chamber is also pulled back as the water level in the buoy channel decreases. Thus this system is very simple and Economic one.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201841006901 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AUTOMATIC SENSOR BASED ANTIPYRETIC TESTING DEVICE

(51) International classification	:A61B 5/01
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :PROFESSOR / ECE NANDHA ENGINEERING COLLEGE, ERODE - 638052, INDIA. Tamil Nadu India
2)P. KALYANASUNDARAM
(72)**Name of Inventor :**
1)DR.K.RAMESH
2)P. KALYANASUNDARAM

(57) Abstract :
7. ABSTRACT The medical field enormous amount of researches are carried out to test and analyze the nature, side effects of medicine. -The animal are injected with medicine and their movements are monitored.- The state of art method involves periodic human involvement in collecting the data from the animals. -The proposed system answers all the above issues. -The method involves in employing sensors to measure physical parameters.- Manual inspection can be eliminated due to deployment- It ensures uninterrupted monitoring of animals - This method incorporates the monitoring of one or more number of parameters simultaneously- The automatic indication through display/alarm will alert the end user.

No. of Pages : 4 No. of Claims : 6

Publication After 18 Months:

The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201611024726 A

(19) INDIA

(22) Date of filing of Application :19/07/2016

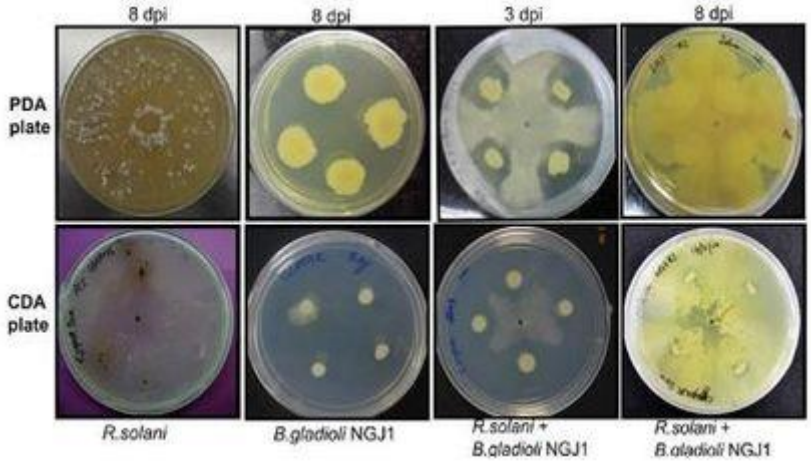
(43) Publication Date : 02/03/2018

(54) Title of the invention : NOVEL PROTEIN AGAINST FUNGAL PATHOGENS

(51) International classification	:C07K 4/06	(71)**Name of Applicant :** **1)National Institute of Plant Genome Research** Address of Applicant :Aruna Asaf Ali Marg, P.O. Box No. 10531, New Delhi - 110 067, India Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :** **1)SWAIN, Durga Madhab** **2)YADAV, Sunil Kumar** **3)JHA, Gopaljee**
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel protein comprising novel genes that is extracted from Burkholderia gladioli strain NGJ1. A nucleotide sequence encoding the novel protein is represented by sequence SEQ ID No. l and amino acid sequence of the novel protein is represented by the sequence SEQ ID No. 2 is further provided. A nucleotide sequence and the amino acid sequence are obtained from genetically engineered Bg_9562 gene. The novel protein as well as encoding gene is adapted for broad spectrum anti-fungal and mycophagous activities.



No. of Pages : 34 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/07/2016

(21) Application No.201611024746 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ANTIFOULING COATING OR PAINT FORMULATIONS FROM BIOACTIVE FRACTIONS OF WEDELIA TRILOBATA AND PROCESSES FOR PREPARATION THEREOF

(51) International classification	:C09D 5/00	(71)**Name of Applicant :** **1)CHAIRMAN, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION** Address of Applicant :Room No. 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi 110 105, India Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)ROY CHOUDHURY, Suman**
(87) International Publication No	: NA	**2)ROY CHOUDHURY, Suhasini**
(61) Patent of Addition to Application Number	:NA	**3)SATVILKAR, Prasad**
Filing Date	:NA	**4)VERMA, Vaibhav**
(62) Divisional to Application Number	:NA	**5)DALVI, Vishal**
Filing Date	:NA	

(57) Abstract :
The present invention describes a method of enhancing and determining adhesion strength of adhesion between the Silicon Carbide matrix and the gas diffusion electrodes using a wash coat technique. The present invention also describes a method to estimate acid migration in Silicon carbide based acid holder matrix for Phosphoric acid fuel cell. The present invention also describes a method to check the stability of matrix and acid migration under pressure.

No. of Pages : 26 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/07/2016
(21) Application No.201611024819 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEVICE AND METHOD FOR STRUCTURAL HEALTH MONITORING USING IMPEDANCE MEASUREMENT BASED DAMAGE DETECTION TECHNIQUE

(51) International classification	:A61B 5/00	(71)**Name of Applicant :** **1)HARMEET SINGH** Address of Applicant :HOUSE NO. 294, PHASE XI, MOHALI, PUNJAB-160065, INDIA. Punjab India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :** **1)HARMEET SINGH** **2)RAJVIR SINGH**
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
A method (100) for structural damage detection using a sensor node (210) is disclosed. The method (100) comprising steps of, providing (110) a set of excitation frequency signals to a plurality of sensor patches fixed on a structure, to induce vibrations in a structure, receiving (120) a plurality of input from each of the plurality of sensor patches, as a function of the set of excitation frequency signals, converting (130) the received plurality of response inputs into a plurality of processed signals to form a useful data set and analyzing (140) a plurality of attributes from the received plurality of signals for significant changes in a structural health profile and a system (200) thereof.

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201611024911 A
(19) INDIA
(22) Date of filing of Application :20/07/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : DIGITAL DEVICE FOR MEASURING THYROID LEVELS IN BLOOD AND ESTABLISHING CO-RELATION WITH THRYROID GLAND MALFUNCTION

(51) International classification	:A61B 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)CHITKARA UNIVERSITY
Address of Applicant :Chandigarh-Patiala National Highway(NH-64), Tehsil Rajpura, Distt. Patiala Punjab, India Punjab India
(72)**Name of Inventor :**
1)SAGOO GURPREET KAUR
2)DR. SINGH VARSHA
3)DR. SALUJA NITIN

(57) Abstract :
The present invention discloses a digital device to predict thyroid levels that can depict the state/level of the thyroid which facilitates proper and on time medication/treatment of the disease. The device of present invention is handheld and can be used by individuals or clinicians themselves very easily. Unlike other thyroid measuring tests done clinically, a simple reaction in is performed by pricking tip of the finger for less than 10 Microliter of blood. The device first provides the quantitative estimation of the thyroid levels in blood. Next the pathophysiological symptoms of the patient are punched into the device. Finally, a programmed microprocessor calculates whether the thyroid gland is dysfunctional while taking into account all the symptoms and test results. Therefore a personalized treatment to the patient for either hyper- or hypothyroidism can be provided using this easy to use, cost-effective and instant real time functioning device.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/07/2016

(21) Application No.201611024915 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A DOOR HANDLE ASSEMBLY •

(51) International classification	:E05B 1/00	(71)**Name of Applicant :** **1)MOTHERSON AUTOMOTIVE TECHNOLOGIES & ENGINEERING (A DIVISION OF MOTHERSON SUMI SYSTEMS LTD.)** Address of Applicant :10th floor, Plot No. 1 Sector 127, Noida-Greater Noida, Express way Noida-201301 Uttar Pradesh Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	(72)**Name of Inventor :** **1)ANWAR GAFFAR SHAIKH**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Embodiment of the present invention relates to a door handle assembly [100]. The door handle assembly [100] comprises an inner cover [102], an outer cover [101], a gripper [103] and a glass run channel [105]. The glass run channel [105] is integrated with the handle inner cover [102] and/or the handle outer cover [101]. The door handle assembly [100] is manufactured using light weight material such as plastics. The door handle assembly [100] is hidden in the door panel [108] and does not protrude outside the surface of the door. The door handle assembly [100] minimizes the use of metal sub-parts and hence cost effective and easy to assemble. [Fig. 2]

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/07/2016

(21) Application No.201611024920 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FRAME BODY OF A TWO WHEELED VEHICLE

(51) International classification	:B26K	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)Hero MotoCorp Limited**
(32) Priority Date	:NA	Address of Applicant :34, Community Center, Basant Lok,
(33) Name of priority country	:NA	Vasant Vihar New Delhi Delhi India Delhi India
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)Yogesh Raghunath Wagh**
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
In an embodiment, a two-wheeled vehicle (101) includes a cross member (124), a mounting bracket (125) and a side stand (37). The cross member (124) is disposed in a cross direction on a lower portion of a vehicle body frame (100) of the two-wheeled vehicle (101). The cross member (124) includes an extended portion (127) extending outwardly. The mounting bracket (125) includes a first surface (129) and a second surface (128) opposite to the first surface (129). The first surface (129) is configured to be fixedly mounted to the extended portion (127) of the cross member (124). The side stand (37) is swivelably mounted to the mounting bracket (125) of the two-wheeled vehicle (101) to rotate between an open position and a stored position of the side stand (37).

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/07/2016
(21) Application No.201611024962 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SINGLE STEP PROCESS FOR THE PRODUCTION OF ETHYLP-METHOXYCINNAMATE FROM KAEMPFERIA GALANGA LINN.

(51) International classification	:C07C 1/00	(71)**Name of Applicant :** **1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH** Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI MARG NEW DELHI-110001 Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)SHANKER KARUNA**
(87) International Publication No	: NA	**2)SRIVASTAVA NUPUR**
(61) Patent of Addition to Application Number	:NA	**3)KHARE PUJA**
Filing Date	:NA	**4)YADAV ANJU KUMARI**
(62) Divisional to Application Number	:NA	**5)JYOTSHNA**
Filing Date	:NA	**6)MISHRA SONALI**

(57) Abstract :
A single step process for the simultaneous isolation of ethyl p-methoxycinnamate and essential oils from Kaempferia galanga Linn The present invention relates to a single step process for the simultaneous isolation of essential oil and cinnamic acid derivative namely, ethyl p-methoxycinnamate (EPMC) from the plants belonging to the genus Kaempferia galanga. The process comprises extracting the fresh and/or dried plant rhizome with hydrodistillation using eco-friendly aqueous ionic solutions and is devoid of any fractionation or chromatographic process to obtain substantially pure EPMC with appreciable extraction efficiency.

No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/07/2016

(21) Application No.201611024963 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A NOVEL COMPOSITE CATALYST SYTEM FOR ECO-FRIENDLY SYNTHESIS OF MENTHOL FROM CITRONELLAL RICH ESSENTIAL OIL

(51) International classification	:C07C 1/00	(71)**Name of Applicant :** **1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH** Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI MARG, NEW DELHI-110001, INDIA Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)CHANOTIYA CHANDAN SINGH**
(87) International Publication No	: NA	**2)ROUT PRASANTA KUMAR**
(61) Patent of Addition to Application Number	:NA	**3)YADAV ANJU**
Filing Date	:NA	**4)SHASANY AJIT KUMAR**
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present invention related to the synthesis of menthol from citronellal rich essential oils. The common citronellal rich essential oils such as citronella oil and eucalyptus oil fetched low price due to their limited application in the house-hold products. Now, the present claim is related to an eco-friendly process for the selective conversion of citronellal compound of these essential oils to menthol without affecting the other major compounds in a two step reaction. In this process, the high value menthol is obtained and further it can purify using column chromatography or fractional distillation. Alternatively, the menthol rich essential oil is slowly freezing to obtain menthol crystal. Besides, we claim new catalysts such as -zeolite-Boric acid-AlCl3 or -zeolite-Boric acid-Al or -zeolite-Boric acid-AlCl3 or -Na-zeolite-Boric acid-AlCl3 or Ag-zeolite-Boric acid-AlCl3 or -zeolite-Boric acid-SnCl2 or -zeolite-Boric acid-SnCl2 or -Na-zeolite-Boric acid-SnCl2 or Ag-zeolite-Boric acid-SnCl2. All these catalysts are prepared easily through impregnation method, and these are effective in the conversion of the citronellal to isopulegol. Similarly, the syntheses of reduced metals (1%Pd or 1%Ru) in activated charcoal or graphene are prepared. These synthesized metal catalysts are effective for conversion of isopulegol to menthol under external hydrogen pressure (10 psi). This reduction is equally efficient using metal catalysts with catalytic amounts of alkali or alkaline earth metal hydrides without external hydrogen pressure. Finally, L-menthol is enriched through esterification of menthol enantiomers followed by hydrolysis.

No. of Pages : 29 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/07/2016

(21) Application No.201611025040 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A METHOD AND A DEVICE FOR ABOVE GROUND LIQUID SULPHUR SEAL WITH DEGASSING

(51) International classification	:C01B 17/00	(71)**Name of Applicant :** **1)ENGINEERS INDIA LIMITED** Address of Applicant :an Indian company, of ENGINEERS INDIA BHAWAN, 1,BHIKAJI CAMA PLACE, Delhi 110066 India Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)AJAY N. DESHPANDE**
Filing Date	:NA	**2)VARTIKA SHUKLA**
(87) International Publication No	: NA	**3)SHEO RAJ SINGH**
(61) Patent of Addition to Application Number	:NA	**4)DIPAK KUMAR SARKAR**
Filing Date	:NA	**5)SANJEEV SINGHAL**
(62) Divisional to Application Number	:NA	**6)KAUSIK GHOSH MAZUMDER**
Filing Date	:NA	**7)K. KUMAR**
		8)RIA CHAUDHURY

(57) Abstract :
A sealing device (10) for sealing liquid sulphur, the sealing device has a first chamber (18) adapted to receive liquid sulphur and a second chamber (20) positioned above the first chamber and configured to receive liquid sulphur from the first chamber. The sealing device further has a first tube (38) having a first end (42) fluidly connected to the first chamber and a second end (44) positioned towards an upper end (32) of the second chamber (20). The first tube fluidly connects the first chamber to the second chamber. A second tube (46) is positioned in the second chamber positioned over and at least partially receives the first tube. The second tube has a bottom end (50) positioned vertically above the first end. A sparger (62) is provided towards a lower end of the second chamber and an outlet (34) is provided in the second chamber. (FIG. 1)

No. of Pages : 12 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/08/2016

(21) Application No.201611029136 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FAST PROCESS FOR DETERMINING EXPECTED 28-DAY COMPRESSIVE STRENGTH OF CONCRETE MADE WITH PORTLAND POZZOLANA CEMENT (PPC) •

(51) International classification	:C04B 7/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)National Council for Cement and Building Materials
Address of Applicant :34 KM Stone, Delhi- Mathura Road (NH-2), Ballabhgarh, Faridabad, Haryana-121004. Haryana India
(72)**Name of Inventor :**
1)V.V. Arora
2)Suresh Kumar
3)Manish Kumar Mandre

(57) Abstract :
Fast process for determining expected 28-day compressive strength of concrete made with Portland Pozzolana Cement (PPC)or Ordinary Portland Cement (OPC) & flyash combined together • ; This invention relates to fast process for determining expected 28-day compressive strength of concrete made with Portland Pozzolana Cement (PPC) or Ordinary Portland Cement (OPC) & flyash combined together; Comprising the steps of:- - Casting concrete cube specimens made with Portland Pozzolana Cement (PPC) or Ordinary Portland Cement (OPC) 15 & flyash combined together; having flyash content of upto 45%, - Keeping the specimen for a certain time period, - Demoulding the specimens followed by submerging in hot water, - Removal of the specimen from the hot water followed by cooling, - Testing of compressive strength of the specimen to obtain accelerated compressive strength thereof, which is employed to obtain expected 28-day compressive strength of concrete. It is associated with the following advantageous features:- - Determination of 28 compressive strength of concrete irrespective of water cement ratio and material source thereof. - High precision in determining expected 28 day compressive strength of concrete. - Cost effective. - Very less time consuming. - Maintenance of quality of building structure without 35 compromising safety thereof.

No. of Pages : 22 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/08/2016

(21) Application No.201611029225 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : BEVERAGE CUP

(51) International classification :B65D21/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Chang-Hung CHEN
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(72)**Name of Inventor :**
1)Chang-Hung CHEN

(57) Abstract :
A beverage cup 10 includes a partition 11 in an inverted V-shape, and each side end of the partition 11 is connected horizontally with a bottom 12. By connecting and surrounding a cup body 13 with the partition 11, an interior of the beverage cup 10 is separated into two independent holding spaces 14, with the partition 11 being extended upward from a periphery of the bottom 12. A cup opening of the cup body 13 is expanded outward with a cup rim 15, and above the partition 11 is a top rim 111 which is in a shape of a wide board and is connected between two opposite sides of the cup opening. A center of the top rim 111 is a rib 112 which is bulged up slightly.

No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/08/2016

(21) Application No.201611029228 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONDITION MONITORING SETUP FOR LONG TERM RELIABILITY IN FAULT RECOGNITION

(51) International classification :B65D21/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Address of Applicant :Dean, Research & Development, Room Number 151, Faculty Building, Post Office: IIT Kanpur, Kanpur-208016, Uttar Pradesh, India Uttar Pradesh India
(72)**Name of Inventor :**
1)VERMA, Nishchal, Kumar
2)SEVAKULA, Rahul, Kumar
3)RAGHUVEER, Thirukovalluru

(57) Abstract :
Present invention provides a condition monitoring system that improves the long term reliability of fault recognition in machines. The system comprises a feature selection method that is able to select good, reliable and consistent features, such that these features can perform fault recognition. The process begins with a sensitive position analysis where optimal sensor position(s) for placing the sensor devices is located. Further, the data is acquired from the sensor devices as datasets while machine state is switched between healthy and faulty state in cyclic order such that the long term trends of machine are captured effectively. Once the data recordings are acquired, they are pre-processed and desired features are extracted. Further, the feature selection procedure ranks the features based on their ability to confidently identify faults. The whole process is experimentally found to significantly reduce the downtime of machine, and also improve the life of condition monitoring setup.

No. of Pages : 42 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/08/2016

(21) Application No.201611029236 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A METHOD FOR MONITORING OF BOND WIRE DEGRADATION IN INSULATED GATE BIPOLAR TRANSISTOR

(51) International classification :H01T1/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :Dean, Research & Development, Room Number 151, Faculty Building, Post Office: IIT Kanpur, Kanpur-208016, Uttar Pradesh, India Uttar Pradesh India
(72)**Name of Inventor :**
1)SINGH, Arun
2)ANURAG, Anup
3)ANAND, Sandeep

(57) Abstract :
The present method relates to a method for online monitoring the bond wire degradation inside an Insulated Gate Bipolar Transistor. This method can be applied to IGBT to determine its health. The method uses ON-State voltage at inflexion point. The present invention remove the temperature dependence of VCE,ON and determine the health of bond wire package inside the IGBT without halting the operation of the inverter. The invention measures the voltage at inflexion point which is independent of temperature and it give the complete information about the health of bond.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201611025119 A
(19) INDIA
(22) Date of filing of Application :22/07/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : LINEARLY MOVABLE MULTI POINT SWITCH SOCKET BOARD

(51) International classification	:H01R 13/10	(71)**Name of Applicant :** **1)CGC TECHNICAL CAMPUS, JHANJERI** Address of Applicant :CGC TECHNICAL CAMPUS, Jhanjeri, Mohali, Punjab. Punjab India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)Dr. TALWAR RAJNEESH**
Filing Date	:NA	**2)SINGH SUKHMINDER JEET**
(87) International Publication No	: NA	**3)KAUR JATINDER**
(61) Patent of Addition to Application Number	:NA	**4)MANDAL DANVIR**
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present invention discloses linearly movable multi point switch socket board. A mechanism to keep it fixed yet adjustable is developed by the inventors. A combination of rail and channel is provided with a locking mechanism. The said switch socket board can be fitted anywhere and socket can act as a single socket but if required, it can be slid out to make it a multipoint connector. When not required, the socket can be pushed back and only one point is used just as a normal switch socket board. The looks and aesthetics of the switch socket board are thus not spoilt.

No. of Pages : 12 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/07/2016

(21) Application No.201611025127 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COMPOSITE TILES PREPARED FROM WASTE PLASTICS AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification :B32B13/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Address of Applicant :ANUSANDHAN BHAWAN , 2 RAFI MARG, NEW DELHI-110001, INDIA Delhi India
(72)**Name of Inventor :**
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2)SHARMA BRIJESH
3)DHAWAN RIDHAM
4)SAMBYAL PRADEEP
5)FARUKH MD
6)SHARMA RAM DHAN
7)GURPAL SINGH
8)DEY MANOJIT
9)BINDAL RAKESH KUMAR
10)KOTNALA RAVINDER KUMAR
11)ASWAL DINESH KUMAR

(57) Abstract :
Disposal of waste plastic bags is a major problem. It is non-biodegradable & it mainly consists of low density polyethylene bags, plastic containers and bottles. Burning of these waste plastic bags causes environmental pollution. The main objective of the present project is to utilize waste plastic bags for designing of tiles in building of structures and rooms for general public for societal benefits. Among different plastic solid waste being generated, plastic bags composed of LDPE are major source of waste. Thus in this study, waste plastic bags are used as matrix reinforced with fly ash, another type of commercial waste, to make composite tiles which can be put to use for building structures for societal benefit. The results showed that filler loadings have positive effect on the properties of plastic waste matrix. Thus the composite tiles fabricated put forward a newer approach for re-utilization of waste plastic material in our day to day life and industry in an environmentally friendly and economical way. They can be used to build structure which will be light weight, resistant to corrosion, chemically resistant, low cost of production, increased service life and most importantly put into use what is the menace for society- Plastic waste.

No. of Pages : 19 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/07/2016
(21) Application No.201611025138 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR NAKED EYE QUANTATIVE COLORIMETRIC ASSAY FOR DATE RAPE DRUG SENSING.

(51) International classification	:A61B 3/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125, NOIDA, UTTAR PRADESH-201313, INDIA
Uttar Pradesh India
(72)**Name of Inventor :**
1)JAGRITI NARANG
2)NITESH MALHOTRA
3)ASHISH MATHUR
4)A.K. DUBEY
5)CHAITALI SINGHAL
6)ANUSHREEANIL

(57) Abstract :
The invention provides a system and method of quantitative and semi qualitative assay of date rape drug using paper based colorimetric sensor. The device is portable and cost effective which can be used to detect presence of date rape drugs in alcoholic drinks and beverages.

No. of Pages : 8 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/07/2016

(21) Application No.201611025153 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AIRTECH (GREEN CAR)

(51) International classification :B62D
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MR. ANAND KUMAR PANDEY
Address of Applicant :VILLAGE-PATAR KHAS, POST-BHELARA, TAHSIL-KADIPUR, DIST-SULTANPUR, PINCODE-222101, U.P., INDIA Uttar Pradesh India
2)MR. AJEET MODANWAL
3)MR. VISHWAJEET SINGH
(72)**Name of Inventor :**
1)MR. ANAND KUMAR PANDEY
2)MR. AJEET MODANWAL
3)MR. KRISHNA SHANKAR YADAV
4)MR. DEEPAK KUMAR YADAV
5)MR. VISHWAJEET SINGH
6)MS. PRAGYA TIWARI
7)MR. NAVEEN KUMAR
8)MR. PAWAN KUMAR SINGH
9)MR. ANKUR TRIPATH

(57) Abstract :
Now 1 am throwing some light on the new and innovative concept which is known as Power Generated Air Car. Power Generated Air Car is a new concept that is fully developed and tested on a prototype. In this project, we are using a Battery and Gear System to generate energy. Battery as a source is used to generate energy which drives the shaft of motor and in turn it drives the fan speedily. Gear power source is. also used to increase the acceleration and efficiency of vehicle. When the fan drives speedily, following the Law Of Propulsion which is based on Newtons Third Law , the vehicle moves in forward direction gaining initial torque and acceleration due to action of fan. Propulsion means to move forward or drive an object forward. To increase the power generation capacity we have used batteries and gear system arrangement jointly. It will double our power generation. The generator will convert the mechanical energy (we are getting in the form of rotary motion) into electrical energy. After generator we are using converter which will transform the DC power into AC power and then we will store this energy into batteries. We gave an option to charge batteries externally via electrical system directly. Also solar panel system is included which emphasizes on green energy resources. Thus it will give an outstanding and no. of sources to drive our vehicle and the vehicle will drive non stop. It is a innovative concept of implementation of engineering to technology to give pollution free transportation system to society for their public use. If successfully implemented, it can be the one of the best options in near by future.

No. of Pages : 4 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016

(21) Application No.201611028618 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ENERGY EFFICIENT BOILER SYSTEM FOR THERMAL POWER PLANT AND INDUSTRY

(51) International classification :B60G5/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)RAGHAV, Ashok Kumar
2)KHALIL, Nadeem
3)RAJAN, J Sundara

(57) Abstract :
A novel low-cost low-maintenance industrial boiler system is disclosed. The disclosed boiler system is adapted to reduce the energy requirements as compared to the traditionally used of boiler systems. The disclosed boiler system employs a plurality of auxiliary feed tanks to supply the water to a main boiler unit through the low pressure water feed pump. Further, the small quantity of steam from the boiler unit is fed back into the plurality of auxiliary feed tanks to form a closed loop heat saving mechanism. A plurality of control valves is placed to control the flow of the fluid in the said disclosed boiler system. The water feed to the boiler unit is controlled by the plurality of automated control valves of the plurality of auxiliary tanks, making it a make-before-break-after water feeding system loop.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016
(21) Application No.201611028625 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AUTOMOTIVE VEHICLE COMPRISING BRACKET SUPPORTING A WIPER ASSEMBLY AND A STEERING COLUMN

(51) International classification :B60G5/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)NIRMAL CHAKARAVARTHI

(57) Abstract :
Automotive vehic le comprising a frame (10) having a floor assembly (12), a front transversal cross member (20), a front cowl (24), a wiper assembly (26) and a steering column (28) The automotive vehicle comprises a bracket (30) for supporting both the wiper assembly (26) and the steering column (28), said bracket (30) being adapted to be folded around a transversal axis(Y) between an unfolded state and a folded state, and having, in a folded state, an upper flange adapted to be fixed to the front cowl (24) and supporting said wiper assembly (26) and a lower flange adapted to be fixed to the front transversal member (20) and support ing said steering column (28).

No. of Pages : 11 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016

(21) Application No.201611028705 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SEAL PROTECTION SYSTEM

(51) International classification :A47J44/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CATERPILLAR SARL
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(72)**Name of Inventor :**
1)GAURAV, ABHISHEK KUMAR
2)JOSEPH, ANTONY GRIEG
3)VELAYUTHAM, THANUPILLAI

(57) Abstract :
A seal protection system for use with protecting a seal assembly between a motor housing and a final drive housing, the seal protection system includes a cover having a first surface, a second surface defining an inner diameter and a plurality of annular opening extending from the first surface to the second surface. The cover further includes a number of spacer elements attached. Each of the spacer element includes a threaded opening extending from a third surface to a fourth surface and coaxially aligned with the annular opening of the cover. The system further includes fastening members adapted to engage with the threaded openings of the spacer element. The cover member is adapted to overlay the seal assembly and one of the motor housing or the final drive assembly. The fastening members are adapted to fasten the cover to one of the motor housing or the final drive housing.

No. of Pages : 15 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2016
(21) Application No.201611028785 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PROCESS FOR PREPARING AN AA2519 (AL-CU-MG-MN-ZR-TI-V) ALUMINIUM ALLOY PLATE

(51) International classification	:C22C 21/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)ASHIM KUMAR MUKHOPADHYAY

(57) Abstract :
The present invention relates to an AA2519 (Al-Cu-Mg-Mn-Zr-Ti-V) aluminium alloy plate, particularly to a process of preparing an AA2519 (Al-Cu-Mg-Mn-Zr-Ti-V) aluminium alloy plate. The process comprises casting an ingot. The ingot, in accordance with the present process, is scalped and homogenized to produce a slab. The slab, further, is hot rolled, solution heat treated and cold worked to obtain an AA2519 aluminium alloy plate. The plate then aged to attain the desired strength.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2016
(21) Application No.201611028851 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IGNITION CONTROL SYSTEM FOR INTERNAL COMBUSTION ENGINE

(51) International classification :F02M37/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Satoshi NAKAMURA
2)Tomohiro NAKANO

(57) Abstract :
An ECU outputs an ignition signal Si to an ignition apparatus through an ignition communication line. The ignition apparatus performs the closing operation of an ignition switching element, in a period during which the ignition signal Si is input. The ECU outputs a discharge waveform control signal Sc to a waveform control communication line, at a timing that is delayed by a predetermined delay time relative to an output timing of the ignition signal Si. In an input period of the discharge waveform control signal Sc after the stop of the input of the ignition signal Si, the ignition apparatus controls the electric current to flow through a primary coil, to a discharge current command value that is decided depending on the above delay time, by the opening-closing operation of a control switching element.

No. of Pages : 33 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201611029259 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : RADIO FREQUENCY RADIATION PROTECTORS.

(51) International classification :H04B1/38
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DR. ARTI M.K.

(57) Abstract :
To overcome the effect of RF radiations like Infertility, loss of Sterility, Contract in eye, RF burns, Heart related Problems, headache, attitude change, listlessness and other instabilities. [Means of Solutions] .Material types - Basic Properties .Fabrics - Highly electrically conductive silver/copper/cotton/nylon fabric Excellent RF/microwave shielding. Shielding attenuation: Attenuation of 22 dB (shielding effectiveness of 99 %) in one layer. More than 99% attenuation can be achieved by using multiple layers. Safe for skin contact, hand washable. Cuts and sews like ordinary fabric. Use it to make garments, bed sheets, curtains, quilt etc. .RF Protection Shield for Laptops - Using Aluminum/Brass/Silver/Stainless steel along with Rubber and Polypropylene/Acrylic/Polyster. Shielding attenuation: Attenuation of 45 dBm (shielding effectiveness of 99.5 %). .RF Smart Caps - Using RF protection cloth along with cotton/mixed cloth. Shielding attenuation: Attenuation of 22.92 dBm (shielding effectiveness of 99.5 %). .RF Shielded Pouches - Using RF shielded fabric along with leather/leather Faux/ velvet/raxine. Shielding attenuation: Attenuation of 18.16 dBm(shielding effectiveness of 98.5 % towards body organ).

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201611029284 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HERBAL FORMULATION TO CORRECT LIVER DISORDERS AND ULCER THEREOF

(51) International classification :A61K47/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SHYAM SUNDAR GUPTA
2)SATYAWAN SINGH
3)PRADIPTA KUMAR MOHAPATRA
4)CHANDANA VENKATESHWARA RAO

(57) Abstract :
The present invention relates to a composition consisting plant ingredients Ziziphus oenoplia roots and Morus alba leaves in the ratio of (2:2) to increase appetite and neutralize the toxins associated with food/drug poisoning and corrects the liver and gastrointestinal infections.

No. of Pages : 12 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201611029307 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FOLDABLE DEVICE AND METHOD OF CONTROLLING THE SAME

(51) International classification :A47J44/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Dae-myung KIM

(57) Abstract :
A foldable device includes: a display; a touch panel configured to detect a touch input; a sensing interface configured to detect an angle of the foldable device; and a controller configured to activate the display unit when the angle detected by the sensing unit as the foldable device is unfolded is equal to or greater than a first angle, and activate the touch panel when the angle detected by the sensing unit is equal to or greater than a second angle.

No. of Pages : 69 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201611029391 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR ADJUSTING AUDIO PARAMETER

(51) International classification	:G10L 19/22
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)GARG, Aditi
2)AGGARWAL, Shivani
3)RAJEEV, Ranjan
4)MEHRA, Rahul

(57) Abstract :
The present invention relates to adjusting audio parameter. In accordance with one embodiment, an audio is received (101) on an electronic device (400) from at least one audio source. At least one first audio parameter is extracted (102) from the audio. Based on the at least one first extracted audio parameter, a probable traversing distance of the audio is determined (103). Based on the probable traversing distance, an action is performed (104) to adjust at least one second audio parameter. <>

No. of Pages : 63 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016
(21) Application No.201611029399 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : OLIGONUCLEOTIDE PRIMER SEQUENCES FOR CERCOSPORIN TOXIN BIOSYNTHESIS (CTB) GENES AND METHOD OF QUANTIFYING CTB SUPPRESSION LEVEL OF GENE EXPRESSION IN VITRO CTB GENE EXPRESSION IN VITRO IN PRESENCE OF A ORGANIC LIQUID MEDIUM

(51) International classification :C07D339/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Mukesh Kumar Meghvansi
2)Rajeev Gupta
3)Vijay Veer

(57) Abstract :
The present invention relates to two novel oligonucleotide primer sequences related to cercosporin toxin biosynthesis (CTB) genes CTB3 and CTB8 and also to method of quantification of CTB gene expression in vitro through Real Time (RT-PCR) Polymerase Chain Reaction assay. CTB gene expression /suppression is quantified after the application of an organic liquid medium (WORMIPOWER) to the fungal culture. Advantageously the present invention thus finds application in the management of the fungal phytopathogen Cercospora.

No. of Pages : 23 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2016

(21) Application No.201611028872 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ENERGY EFFICIENT AND INTELLIGENT CLUSTER TYPE HETEROGENEOUS SYSTEM FOR GRID BASED WIRELESS SENSOR NETWORKS

(51) International classification	:G06F 17/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT// /
Filing Date	:01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)SINGH RAJVIR
2)CHALLA RAMA KRISHNA

(57) Abstract :
ENERGY EFFICIENT AND INTELLIGENT CLUSTER TYPE HETEROGENEOUS SYSTEM FOR GRID BASED WIRELESS NETWORK Inventors have designed a grid based network layout that can be effectively used for proliferation of wireless sensor networks in organized spaces like homes, buildings and cities. Owing to the variety of sensors that can be deployed in these smart spaces, heterogeneity is achieved. To achieve power efficiency and scalability, a new intelligent and heterogeneity aware clustering arrangement is then overlaid on the grid-based network. The whole process of network deployment and commissioning is phased into developing a well labeled grid layout plan, deploying a gateway device and/ or sink device for the grid, deploying native location tags, deploying sensor nodes in the grid layout, Star/ Mesh Network formation and finally Intelligent Cluster formation within a grid location.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2016
(21) Application No.201611028996 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HOOK APPARATUS USED IN SEWING OF LEG OPENINGS OR SLEEVE OPENINGS

(51) International classification :B60G5/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LIN, Pei-Chia

(57) Abstract :
A hook apparatus used in sewing of leg openings or sleeve openings includes a base, a front-and-rear moving mechanism installed on the base, and an up-and-down moving mechanism. The front-and-rear moving mechanism includes a first actuator and a moving block driven by the first actuator. The up-and-down moving mechanism includes a support seat installed on the moving block, a second actuator fixed to the support seat, a swing arm hinged to the support seat and driven by the second actuator, and a hook shaft connected to the swing arm. The hook shaft produces stretching and swinging movements to hook cloth through actuations of the front-and-rear moving mechanism and the up-and-down mechanism. As a result, the sewing process of sleeve openings or trouser leg openings can be simplified to increase the sewing performance of the sewing machine.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2016

(21) Application No.201611029019 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ULTRA-LIGHT AND THIN HEAT EXCHANGER DESIGN •

(51) International classification :B60G5/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Aseem Kumar Jaiswal
2)Tribhuwan Chand Joshi
3)Yogendra Singh Kushwah

(57) Abstract :
A multiple bank tube fin heat exchanger (100) used as an evaporator in an automotive application, comprising a first tube bank (101) including a first plurality of flat tubes (106) extending longitudinally and arranged in spaced parallel rows between a first pair of headers (102, 104) and a second tube bank (201) including a second plurality of flat tubes (206) extending longitudinally and arranged in spaced parallel rows between a second pair of headers (202, 204). A plurality of corrugated louver fins (115) disposed between adjacent pairs of the first and the second plurality of flat tubes (106, 206) and extending between the first and second plurality of flat tubes (106, 206) of both first and second tube banks (101, 201). A gap (G) between the first and second tube banks (101, 201) is set more than a tube width (Tw) of the first or second plurality of flat tubes (106, 206), where the tube width of each of the first and second plurality of flat tubes (106, 206) are substantially equal. FIG. 2A

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/08/2016

(21) Application No.201611029036 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A DEVICE FOR LAYER WISE SURFACE LIQUID SAMPLE COLLECTION

(51) International classification	:B60G5/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)MANDAL SUBIR KUMAR

(57) Abstract :
The device for layer wise surface water sample collection will be useful to collect thin layer samples . These layer wise sample collection will be helpful to get in-depth information for studying physiochemical parameters, such as water temperature, pH, Dissolved Oxygen (DO), Biological Oxygen demand (BOD), nutrients like N02-N, N03-N, NH4-N\ PO4-P3 and Si03-Si etc. The device will be a very important research equipment for doing environmental research on measuring physio-chemical properties of stratified lake/pond water due to hot summer and to study eutrophication and algal bloom formation in different aquatic body.

No. of Pages : 21 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016

(21) Application No.201611029454 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HYDRAULIC COLLAPSIBLE SPEED BREAKER FOR GENERATING POWER

(51) International classification :A47J44/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)Anurag Pandey

(57) Abstract :
The invention relates to a collapsible speed bump or speed breaker having at least two collapsible or flexible swell hollow members, a connecting hollow pipe to connect the hollow members, a hydraulic fluid filled in said hollow members and pipe, at least one free flow magnet immersed in the hollow pipe, an electromagnetic coil wounded over the hollow pipe wherein when a vehicle or load compresses the collapsible swell hollow members comprising the hydraulic fluid which exerts force and moves the suspended free flow magnet an electricity is produced in the electromagnetic coil due to electromagnetic induction.

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016
(21) Application No.201611029463 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PRO-AMB REVERSE-TURN-RESTRICTED BIOACTIVE PEPTIDE ANALOGS

(51) International classification :H04L12/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)GANESH SURESH JEDHE

(57) Abstract :
Novel peptide analogues for therapeutic applications are disclosed in the present invention. An angiotensin I1 analogue for therapeutic use in the treatment of Alzheimers and other neurological diseases is particularly disclosed.

No. of Pages : 26 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016

(21) Application No.201611029517 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PCR BASED METHOD AND KIT FOR SIMULTANEOUS DETECTION OF FOUR LYMVS

(51) International classification :C07D339/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Indian Council Of Agricultural Research
(72)**Name of Inventor :**
1)Mohd Akram
2)Naimuddin
3)Aniruddha Kumar Agnihotri

(57) Abstract :
The present Invention relates to the detection of Yellow mosaic disease in a plant. The Invention particularly provides a highly sensitive primer composition, a detection kit and a detection method based on the said primer composition, which are useful for the detection of Yellow mosaic disease in a plant.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016
(21) Application No.201611029526 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A GADOLINIUM(III) COMPLEX AND ITS CARBON NANOTUBE COMPOSITE THEREOF FOR ANTICANCER ACTIVITY

(51) International classification :C07D339/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)AMEERUNISHA BEGUM
2)DAR JUNAID BASHIR
3)FARAH KHAN

(57) Abstract :
ABSTRACT A gadolinium(III) complex and its carbon nanotube composite thereof for anticancer activity • , said complex with potent anticancer activity in micromolar concentration having the molecular formula [Gd(L1)2(NO3)3] and molecular structure has been formulated. Further, a carbon nanotube composite of the gadolinium(III) complex [Gd(L1)2(NO3)3] with potent anticancer activity in nanomolar concentration having molecular representation of [Gd(L1)2(NO3)3]@CNT, has been designed based on the gadolinium(III) complex [Gd(L1)2(NO3)3]. Furthermore, the present invention takes investigative note of the functional aspects of the structural part of the present invention. The cytotoxic efficacy of the gadolinium(III) complex [Gd(L1)2(NO3)3] as well as its CNT composite [GdIII(L1)2(NO3)3]@CNT against cancer/ tumour are estimated. Whereas it is found that gadolinium(III) complex [Gd(L1)2(NO3)3] is effective against cancer in micromolar concentration, its CNT complex [GdIII(L1)2(NO3)3]@CNT is effective even in nanomolar concentration, wherein cancer cell model used is human cervical carcinoma (HeLa) cell line.

No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201611029657 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A WORM CLAMP WITH ADJUSTABLE INTERNAL DIAMETER

(51) International classification :B65D21/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Philip Garg
2)Kiran Pal
3)Shriganesh Umbarkar

(57) Abstract :
This invention relates to a worm clamp with adjustable internal diameter comprising a clamp body constituting a loop of sheet metal, end of which is secured to a tightening/releasing module including a housing accommodating a screw, torquing of which varies internal diameter of the clamp, wherein the clamp body is provided with a plurality of notches together with a stopper to stop the clamp at minimum internal diameter. It is associated with the following advantageous features:- - Controls minimum internal diameter even when subjected to extra torquing. - Simple in construction. - Easy in manufacturing.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201611029686 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A MEDIUM FOR ENHANCING SHELF LIFE OF CUT FLOWERS

(51) International classification :B65D21/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)AYUSHI SOOD
2)KAVERI DANG
3)UMA
4)PRAGATI SAHAI
5)AJIT VERMA

(57) Abstract :
The present invention provides a medium comprising of Zinc oxide nanoparticles for increasing the shelf life of cut flowers. Pure Zinc oxide nanoparticles (ZnO-Np) are prepared by mechanical-assisted thermal decomposition process. The techniques used to characterize ZnO- Np nanorods are SEM, TEM, XRD and Uv-Vis Spectroscopy. In the present invention inclusion of ZnO- Np resulted in enhanced shelf life of the cut flowers from 4 to 13days.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201611029687 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A GYROSOPE BADED DEVICE SECURITY SYSTEM

(51) International classification	:G06F21/73	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)AMITY UNIVERSITY**
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR 125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)**Name of Inventor :**
(87) International Publication No	: NA	**1)YOGESH SINGH RATHORE**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present invention provides present invention provides a gyroscope based electronic system for the security of Laptops and other portable costly devices. It has Arduino UNO (AU), MPU 6050 6DOF 3 Axis Gyroscope + 3 Axis Accelerometer Module (GS), LEDs (LED 1, LED 2), Resistors (Rl, R2, R3, R4), Tactile Push Button (SI, S2), Buzzer (BZ) and Battery (PS). In this system the perimeter of the valuable device is defined by using the system and after defining the perimeter if the device is taken out of the perimeter then the system gives noise. Thus it provides security to the system paving the device.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201611029688 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONCRETE CRACKS RESTORATION USING NOVEL BACTERIAL STRAIN

(51) International classification :C04B14/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)RAJNI SINGH
2)ASHIM MITRA

(57) Abstract :
The present invention relates to concrete cracks restoration using novel bacterial strain. The calcium based nutrients (without sulphate and very less amount of chlorides) are used in the present invention. The invention uses acetic acid which not only controls the amount of deposit of calcium salt but also prevents the growth of fungus. The calcium pellets also contain bacteria which provide adequate strength to the pellets. The effective filling of cracks is confirmed with the help Ultrasonic pulse velocity test also.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201611029799 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : THERMAL MANAGEMENT SYSTEM FOR AUTOMOTIVE LIGHTING APPLICATIONS

(51) International classification :B65D21/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SUCHI GOYAL
3)PUNEET KUMAR
4)ROHIT DANG
5)ALOK JAITLEY

(57) Abstract :
The present subject matter relates to a heat dissipating bracket (700, 1204) for covering free space (1202) available between upper lamp housing and lower lamp housing for increasing breathing air volume for lamp for better heat dissipation and prevent entry of foreign particles into the lamp. The heat dissipating bracket (700, 1204) includes a flat base surface (706) having two semicircular cuts (708) along length of the flat base surface (706) in opposite sides to receive circular outer surface of lamp housings (604, 606). Further, the heat dissipating bracket (700, 1204) has two sides (710) bend and extends in perpendicular direction of the flat base surface (706). The two sides (710) and the flat base surface (706) are connected with each other to form an enclosure (712) to cover the free space available between the upper lamp housing (606) and the lower lamp housing (604).

No. of Pages : 25 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201611029800 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : THERMAL MANAGEMENT SYSTEM FOR AUTOMOTIVE LIGHTING APPLICATIONS

(51) International classification :F28F1/32
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SUCHI GOYAL
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4)ROHIT DANG
5)ALOK JAITLEY

(57) Abstract :
The present subject matter relates to a lamp assembly (600) for dissipating heat and restricting entry of foreign particles. The lamp assembly (600) comprises a cutout (501) in lower lamp housing at upper side for dissipation of heat. Further, the lamp assembly has a heat dissipating bracket (700, 902) mounted on the cutout (501) to dissipate the heat generated by bulb (908) and to restrict entry of the foreign particles in the lamp housing. Further, the heat dissipating bracket (700, 902) has a plurality of perforations (710) and fins to allow better heat dissipation. Furthermore, the size and number of perforations on the heat dissipating metal bracket are optimized as per requirement and to restrict entry of foreign particles.

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/08/2016

(21) Application No.201611006850 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : WATER SOLUBLE TURMERIC EXTRACT AND METHOD THEREOF

(51) International classification :A61K36/9066
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)VIBHA KAMRA
(72)**Name of Inventor :**
1)PAWAN KAMRA
2)VIBHA KAMRA

(57) Abstract :
Present invention discloses a water soluble whole turmeric extract with beneficial nutraceutical/ therapeutic and cosmetic use properties. Unlike the conventional turmeric powder which is not soluble in water and poses difficulty of use, the present composition is water soluble. It can be easily used as a nutraceutical agent/therapeutic agent or even as a cosmetic. As a nutraceutical agent, it can be used to impart benefits of improving immunity and de-toxification of the body. Therapeutic benefits include reducing acidity and inflammation, anti-bacterial properties, wound healing and others. In cosmetic benefits, it can be used to reduce acne, pimples, skin discoloration and improving skin tone. The method of extraction is simple, involving extraction of the whole turmeric powder with pure ethanol, homogenization, extraction, filtration and volume reduction by heating at temperature between 60ºC to 64ºC.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/12/2016

(21) Application No.201617044709 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A REGIONAL ANAESTHESIA INJECTION APPARATUS

(51) International classification :A61M5/145
(31) Priority Document No :1409795.0
(32) Priority Date :02/06/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051574
Filing Date :29/05/2015
(87) International Publication No :WO 2015/185895
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CARTER Joseph Joachim
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4)GIBSON John Edward

(57) Abstract :
A regional anaesthesia injection apparatus comprising an injection volume determiner. The apparatus configured to determine a volume of a regional anaesthetic injection into a target tissue; an injection pressure determiner configured to determine a pressure of the injection; and a controller coupled to the injection volume determiner and to the injection pressure determiner and configured to provide an injection signal to control injection of fluid into the target tissue based on the determined pressure and the determined volume.

No. of Pages : 14 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/12/2016

(21) Application No.201617044710 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROLLING MILL SUCH AS FOR EXAMPLE A COLD ROLLING MILL

(51) International classification :B21B13/14,B21B45/02
(31) Priority Document No :14 56289
(32) Priority Date :01/07/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051738
Filing Date :26/06/2015
(87) International Publication No :WO 2016/001541
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)ERNST DE LA GRAETE Conrad

(57) Abstract :
The invention relates to a rolling mill including a frame at least one pair of working cylinders capable of defining the air gap of the strip to be rolled as well at least one line (51 52 53 54) for spraying a lubricant and/or coolant fluid arranged next to the plane of the strip to be rolled. According to the invention said line (51 52 53 54) is rigidly connected to said frame via a hinged mechanical link said mechanical link including resilient means (71 72 73 74) forcing said line (51 52 53 54) into at least one operational position toward the plane of the strip and allowing in the event that a force on said line tends to separate the line greater than a threshold value the deformation of the resilient means (71 72 73 74) against the return force thereof and thus the retraction of the line toward a position separated from said at least one operational position.

No. of Pages : 14 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2017

(21) Application No.201714025352 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : OVERHEAD VALVE ACTUATION MECHANISM FOR ENGINE

(51) International classification :B60T8/1766
(31) Priority Document No :2016-167073
(32) Priority Date :29/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Koichi TANAKA
2)Kunio ARASE

(57) Abstract :
An overhead valve actuation mechanism for an engine includes a cylinder head, a camshaft that is rotatably supported by the cylinder head, includes one or a plurality of valve cams, and operates opening and closing of an air intake side or air exhaust side valve via the valve cam, a rocker arm that is swung by the valve cam of the camshaft and acts on the valve to open and close the valve, and a rocker arm shaft that is supported by the cylinder head and swingably supports the rocker arm. The rocker arm shaft includes a supporting portion supporting the rocker arm and a fixed shaft portion supported by the cylinder head. The supporting portion is formed such that a rotation axis of the rocker arm parallelly and slightly separates with respect to a center axis line of the fixed shaft portion.

No. of Pages : 44 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/08/2017

(21) Application No.201714028133 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYNCHRONIZING DEVICE AS WELL AS A GEAR CHANGING TRANSMISSION FOR A VEHICLE

(51) International classification :B60R16/04
(31) Priority Document No :16185389.0
(32) Priority Date :23/08/2016
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)Christoffer, Ulf
2)Weber, Nils
3)Spreckels, Marcus

(57) Abstract :
The invention relates to synchronizing device (1) of a gear changing transmission for a motor vehicle. The invention is based on a synchronizing device (1) of a gear changing transmission for a motor vehicle comprising an inner synchronizer ring (2), a middle synchronizer ring (3) and an outer synchronizer ring (4). The middle synchronizer ring (3) comprises a first conical middle ring body (301) with a first inner surface of the middle ring (3011) and a first outer surfice of the middle ring (3012), which each bound the first middle ring body (301) in a radial direction extending to the axial ring axis (8), wherein the first inner surface of the middle ring (3011) extends at a first inner angle (03011) of the middle ring and the first outer surface of the middle ring (3012) at a first outer angle (03012) of the inner ring to the ring axis (8). In order to further increase the synchronizing moment to be transmitted the first inner angle (03011) of the middle ring and the first outer angle (03012) of the middle ring are different according to the invention.

No. of Pages : 34 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/08/2017

(21) Application No.201714028174 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYNCHRONIZING DEVICE AS WELL AS A GEAR CHANGING TRANSMISSION FOR A VEHICLE

(51) International classification :F01K15/00
(31) Priority Document No :16185388.2
(32) Priority Date :23/08/2016
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CHRISTOFFER, Ulf
2)WEBER, Nils
3)SPRECKELS, Marcus

(57) Abstract :
The invention relates to synchronizing device (1) of a gear changing transmission for a vehicle. The invention is based on a synchronizing device (1) of a gear changing transmission of a vehicle comprising an inner synchronizer ring (2), a middle synchronizer ring (3) and an outer synchronizer ring (4), wherein in the operating mode the outer synchronizer ring (4). The inner synchronizer ring (2) comprises a first conic- al inner ring body (201) with a first inner surface of the inner ring (201 1) and a first outer surface of the inner ring (2012), which each bound the first inner ring body (201) in a radial direction extending to an axial ring axis (8), wherein the first inner surface of the inner ring (201 1) extends at a first inner angle (a2oql) of the inner ring and the first outer surface of the inner ring (2032) at a first outer angle (azoq2) of the inner ring to the ring axis (8). In order to further increase the synchronizing moment to be transmitted the first inner angle (azol1) of the inner ring is smaller than the first outer angle (azol2) of the inner ring according to the invention.

No. of Pages : 28 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/08/2017

(21) Application No.201714028224 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CIRCUIT AND CONTROL METHOD FOR THE SAME

(51) International classification :H02M3/158
(31) Priority Document No :2016-163986
(32) Priority Date :24/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FUNAHASHI, Makoto
3)YOSHIZUE, Kensuke

(57) Abstract :
An electronic control unit (100) switches a switching circuit such that a switched reluctance motor (1) has a first winding pattern, when, with respect to a boundary dividing a driving range of the switched reluctance motor (1) into two ranges, a torque and a rotational speed of the switched reluctance motor (1) that are determined according to an applied voltage are located in the first range on the low load side. The electronic control unit (100) switches the switching circuit such that the switched reluctance motor (1) has a second winding pattern, when the torque and the rotational speed of the switched reluctance motor (1) are located in a second range different from the first range. Selected drawing: FIG. 9

No. of Pages : 34 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/08/2017

(21) Application No.201714028645 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR EVALUATING THE AUTHENTICITY OF A PAINTING AS WELL AS A CORRESPONDING USE

(51) International classification :G07D7/00
(31) Priority Document No :10 2016 115 837.2
(32) Priority Date :25/08/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Germany
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1)Werner Scholzen

(57) Abstract :
The invention describes a method for evaluating the authenticity of a painting, comprising the steps: a) Providing (10) a collection of a plurality of original paintings by a certain artist and creating (20) at least one digital image of each original painting from the collection of plurality of original paintings; b) Detecting (30) classification data for each one of the digital images of each original painting of the collection using the WND-CHARM method, wherein the classification data a reference data record of classification data for original paintings by the artist; c) Providing (40) an additional painting and creating (50) at least one digital image of the additional painting; d) Detecting (60) additional classification data for the digital image of the additional painting using the WND-CHARM method and e)Comparing (70) the additional classification data with the reference data record of classification data for original paintings, wherein on reaching or exceeding a minimum correspondence between the additional classification data and the reference data record, it is concluded that the painting is an original painting by the artist and otherwise it is a counterfeit.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/07/2016

(21) Application No.201617024681 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ICEBREAKING VESSEL

(51) International classification :B63B1/06,B63B35/08
(31) Priority Document No :20136314
(32) Priority Date :20/12/2013
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2014/051046
Filing Date :22/12/2014
(87) International Publication No :WO 2015/092154
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)MATTSSON Tom
3)

(57) Abstract :
The present invention relates to an icebreaking vessel, which includes a hull with a bottom (2), a bow part (3) and a stern part (4). The bow part (3) includes a forward inclined upper bow portion (31), a bulbous lower bow portion (33), and an intermediate bow portion (32). The vessel is designed with a construction water line (W1), an upper ice water line (W3) and a lower ice water line (W2). In order to improve the icebreaking capacity of the vessel, an upper surface of the bulbous lower bow portion (33) is arranged to be at or in the vicinity of the water surface when the vessel operates at the construction water line (W1) of the vessel. When the vessel operates at the lower ice water line (W2) a lower surface of the bulbous lower bow portion (33) is arranged to penetrate the water surface. When the vessel operates at the upper ice water line (W3) the forward inclined upper bow portion (31) is arranged to penetrate the water surface. The present invention also relates to method for operating the icebreaking vessel.

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/07/2017

(21) Application No.201714026722 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVED CONTAINER WITH TWO SIDE WALLS

(51) International classification :B65D 88/00
(31) Priority Document No :2016219636
(32) Priority Date :25/08/2016
(33) Name of priority country :Australia
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)COLEMAN Peter

(57) Abstract :
The present invention relates to a container comprising a bottom at the lower end of an inner sidewall and an outer sidewall, which is attached to the outer circumference of the inner sidewall, wherein the innerandfor the outer sidewall comprises an embossed shaping, wherein an adhesive connection is provided between the inner sidewall and the outer sidewall.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/07/2017

(21) Application No.201714026921 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TELESCOPIC STEERING INTERMEDIATE SHAFT

(51) International classification :F16C3/03
(31) Priority Document No :102016116230.2
(32) Priority Date :31/08/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)PR„TORIUS, Alexander

(57) Abstract :
The tubes of the steering intermediate shaft are composed of a thermoplastic material and, for the transmission of force, the tubes each have a polygonal profile, and each tube is in each case connected on the end side to a sleeve of an aluminum fork via an interference fit assembly.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/08/2017
(21) Application No.201714027344 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : GAS TURBINE

(51) International classification :F01K15/00
(31) Priority Document No :2016-165023
(32) Priority Date :25/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)Yasuhiro HORIUCHI
2)Shinichi HIGUCHI
3)Hisato TAGAWA
4)Kenji SHINGAI
5)Takemitsu MIURA

(57) Abstract :
In a gas turbine in which a seal member 6 seals a gap between a transition piece 16 and a nozzle end wall 17 in a turbine first stage, the transition piece 16 and the nozzle end wall 17 has a seal groove 21. The seal member 6 includes a hook portion 7 that slides in the turbine radial direction with respect to the flange 19 and a seal plate portion 8 inserted in the groove 21. The groove 21 and the portion 8 are configured to include a surface contact region 31 in which a surface 21a of the groove 21 and the portion 8 are in surface contact with each other, a non-contact region 32 disposed on a side closer to the transition piece 16 than the region 31, and a hole 23 provided at the portion 8 so as to face the surface 21a in the groove 21 across a gap in the region 32.

No. of Pages : 38 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/08/2017

(21) Application No.201714027391 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DRIVE SYSTEM AND DRIVE SUB-ASSEMBLY FOR DRIVING A SHAFT

(51) International classification :F01K15/00
(31) Priority Document No :15/253,131
(32) Priority Date :31/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ENGEL, Dave
2)ADAMS, Richard

(57) Abstract :
A drive sub-assembly includes a hub extending from a first end face to a second end face along a longitudinal axis. The hub may have an outer circumferential surface and inner circumferential surface. The drive sub-assembly further includes at least a first inner race and first rollers of a first bearing assembly, and a gear attached to the second end face of the hub. The gear may have a second inner circumferential surface that is arranged to engage a second bearing assembly. The outer circumferential surface may define a first recess proximate to the first end face, and a shoulder between the first recess and the second end face along the longitudinal axis. The first inner race and the first rollers may be mounted on the shoulder, and the first inner circumferential surface may define a second recess proximate to the second end face.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/08/2017

(21) Application No.201714028650 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : POSITION INFORMATION COMMON MANAGEMENT SYSTEM FOR MOBILE OBJECT

(51) International classification	:G06Q50/10
(31) Priority Document No	:2016-163261
(32) Priority Date	:24/08/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Shigeharu TESHIMA
2)Hitomi SATO

(57) Abstract :
A position information common management system (10) for a mobile object includes an information processing apparatus (16). The information processing apparatus (16) is configured to receive information including position information and metadata as one set wirelessly transmitted from a plurality of position information sources (20, 25) respectively moving along with a plurality of mobile objects (P1, P2, B, T). When a request for transmission of position information constituting one set with specified metadata is received from an information terminal (25), the information processing apparatus (16) is configured to search for a set including the specified metadata among the received sets each including the position information and the metadata. The information processing apparatus (16) is configured to transmit position information of the searched set including the specified metadata and position information to the information terminal. SELECTED DRAWING: FIG. 2

No. of Pages : 69 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/08/2017

(21) Application No.201714028654 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CLEARING-LIMIT SETTING DEVICE AND YARN WINDING MACHINE

(51) International classification :B60R16/04
(31) Priority Document No :2016-167209
(32) Priority Date :29/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Tomonari IKEMOTO
2)Tomoyuki HONDA

(57) Abstract :
A clearing-limit setting device comprises: a display unit that displays, in a two-dimensional field having coordinate axes respectively representing length and thickness of a yarn defect, a clearing limit that is a borderline whether the yarn defect needs to be removed; a first input section that receives selection of at least one portion of the clearing limit; a second input section that indicates a plurality of moving directions for the clearing limit, and receives selection of a moving direction thereamong; and a processor that changes the clearing limit such that the at least one portion selected with the first input section moves in the moving direction selected with the second input section by a predetermined amount, and causes the display unit to display the clearing limit changed.

No. of Pages : 53 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/08/2017
(21) Application No.201714028669 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FLUID DRIVEN TURBINE APPARATUS

(51) International classification :B60K17/00
(31) Priority Document No :105126886
(32) Priority Date :23/08/2016
(33) Name of priority country :Taiwan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HUANG, KUO-CHANG
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(72)**Name of Inventor :**
1)HUANG, KUO-CHANG

(57) Abstract :
A fluid driven turbine apparatus includes a hollow body (11) and rib plates (12) annularly disposed in the hollow body (11). A vane module (22) is disposed in the hollow body (11) and co-axially connected to a shaft (21) extending axially through the hollow body (11). The rib plates (12) surround the vane module (22) and are spaced apart from the vane module (22) by an annular gap (23). The annular gap (23) has a width gradually enlarged in a top-to-bottom direction. When fluid flows into the vane module (22) and is diverted sideward to the annular gap (23), large sand grains carried by fluid may pass through an enlarged lower portion of the annular gap (23) without getting stuck therein and abrading the rib plates (12) and the vane module (22). (Fig. 1)

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/08/2017

(21) Application No.201714028759 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR MANUFACTURING A PLASTIC FABRIC-FILM COMPOSITE PRODUCT, PLASTIC FABRIC-FILM COMPOSITE AND PACKAGING BAG COMPRISING A PLASTIC FABRIC-FILM COMPOSITE.

(51) International classification	:B65D30/08
(31) Priority Document No	:16 186 374.1
(32) Priority Date	:30/08/2016
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Mondi AG
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(72)**Name of Inventor :**
1)Dipl.-Ing. Jens Ksters

(57) Abstract :
The invention relates to a method for manufacturing a plastic fabric-film composite product, wherein an extruded-film web (2) comprising at least one sealing layer (1) is formed by means of film extrusion in such a way that the sealing layer (1) is located on a first side of the extruded-film web (2), and wherein a plastic-fabric web (5) comprising a film-strip fabric and the prefabricated extruded-film strip (2) are fed and laminated with one another in order to form a composite web (8) in such a way that a second side of the extruded-film web (2) faces a first side of the plastic-fabric web (5). The subject matter of the invention also relates to a plastic fabric-film composite and a packaging bag formed therefrom.

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2017

(21) Application No.201714029214 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SPECTROSCOPIC CLASSIFICATION OF CONFORMANCE WITH DIETARY RESTRICTIONS

(51) International classification :H04N7/14
(31) Priority Document No :62/379,605
(32) Priority Date :25/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)O'BRIEN, Nada A.
2)HSIUNG, Changmeng

(57) Abstract :
A device may receive a classification model generated based on a set of spectroscopic measurements performed by a first spectrometer. The device may store the classification model in a data structure. The device may receive a spectroscopic measurement of an unknown sample from a second spectrometer. The device may obtain the classification model from the data structure. The device may classify the unknown sample into a Kosher or non-Kosher group or a Halal or non-Halal group based on the spectroscopic measurement and the classification model. The device may provide information identifying the unknown sample based on the classifying of the unknown sample.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2017

(21) Application No.201714029216 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MAINTENANCE DEVICE FOR THE MAINTENANCE OF WORK STATIONS OF A TEXTILE MACHINE AND A TEXTILE MACHINE

(51) International classification :F01K15/00
(31) Priority Document No :10 2016 116 006.7
(32) Priority Date :29/08/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MASCHINENFABRIK RIETER AG
Address of Applicant :Klosterstrasse 20, 8406 Winterthur, Switzerland Switzerland
(72)**Name of Inventor :**
1)Adalbert Stephan

(57) Abstract :
The invention relates to a maintenance device (13a-13e) for servicing adjacent work stations (11) of a textile machine (1), in particular a spinning machine, comprising an operating unit (2a-2e), which features at least one operating component (14) for servicing the work stations (11), and with a guide unit (9), by means of which the maintenance device (13) can be moved on a driving rail (3) along the work stations (11) and which defines a direction of travel (4) of the maintenance device (13). At this, the maintenance device (13) can be transported from a maintenance position (I), in which one of the work stations (11) can be serviced by the maintenance device (13a-13e), into an inspection position (II), in which the maintenance device (13a-13e) can be inspected. For the transport of the maintenance device (13a-13e) from the maintenance position (I) into the inspection position (II), the operating unit (2a-2e) can be pivoted with respect to the guide unit (9), and/or the at least one operating component (14) can be moved (in particular, can be pivoted) with respect to the operating unit (2a-2e). (Fig. 1)

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2017

(21) Application No.201714029257 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND SYSTEM FOR MONITORING THE CHARGING STATE OF A BATTERY

(51) International classification :G01R31/36,
(31) Priority Document No :16 185 499.7
(32) Priority Date :24/08/2016
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SPIELBAUER, Hans-Kilian
2)COMINELLI, Donald F.
3)PETERS, Michael

(57) Abstract :
An electrical system (2) comprises a battery (26) for storing electrical energy; a battery monitoring device (22) which is configured for determining a numerical value representing the charging state of the battery (26) by setting an initial numerical value representing the charging state of the battery (26); and repeatedly determining a current operational state of the electrical system (2) and a time period (T1 - T10) for which said current operational state is active; calculating a change of the charging state of the battery (26) as a function of the determined current operational state of the electrical system (2) and the time period (T1 - T10) for which said current operational state is active; and updating the numerical value representing the charging state of the battery (26) by adding or subtracting the calculated change of the charging state to/from the numerical value.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2017

(21) Application No.201714029301 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYNCHRONOUS GENERATOR FOR WIND TURBINES

(51) International classification :F03D9/00
(31) Priority Document No :201600720
(32) Priority Date :30/08/2016
(33) Name of priority country :Spain
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)GRANADOS GARC • A, Javier Alberto Jos
3)LPEZ LPEZ, Jos
4)RODR • GUEZ IZAL, Jose Luis
5)SALVATIERRA MACUA, Carlos Jesus

(57) Abstract :
This invention relates to a synchronous generator for wind turbines comprising a rotor (20) and a stator (10), wherein the stator (10) comprises a plurality of induction coils (11) of a high-temperature superconducting material arranged to generate a magnetic field. The use of the superconducting stator, instead of a superconducting rotor, allows simplifying the refrigeration system, thus eliminating, for example, the rotating joints for cryogenic gas and the rotating joints for high-purity helium gas.

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2017

(21) Application No.201714029348 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MAGNETIC MATERIAL, PERMANENT MAGNET, ROTARY ELECTRICAL MACHINE, AND VEHICLE

(51) International classification	:B60K6/12
(31) Priority Document No	:2016-163797
(32) Priority Date	:24/08/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Tomohiro YAMASHITA
3)Naoyuki SANADA
4)Yosuke HORIUCHI
5)Shinya SAKURADA

(57) Abstract :
An magnetic material is a magnetic material expressed by a composition formula 1: 5 (R1-xYx)aMbTc, which includes a main phase consisting of a ThMn12 type crystal phase. 30 atomic percent or more of the element M in the composition formula 1 is Fe.

No. of Pages : 32 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2017

(21) Application No.201714029425 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AN EXPANSION RING FOR A BRAIDED STENT

(51) International classification :A61F2/91
(31) Priority Document No :15/246,784
(32) Priority Date :25/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GOROCHOW, Lacey

(57) Abstract :
A braided stent system includes an expansion ring attached to internal and external surfaces of a lumen. A frame of the ring may impart an outwardly expanding radial force to the lumen, the frame including a plurality of elongate members joined at a coupling and at first and second intersections opposite the coupling. A clip can extend from the intersections and can be operable to slidably secure the frame to the inner and outer surfaces of the lumen.

No. of Pages : 27 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/08/2017

(21) Application No.201714029699 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : BELT SHEAVE AND METHOD OF IMPRINTING

(51) International classification :B60R16/04
(31) Priority Document No :15/251,151
(32) Priority Date :30/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MARTIN, Kyle B.
2)LANESEY, David J.

(57) Abstract :
A sheave is constructed and arranged to rotate about an axis for guiding motion of a belt. The sheave includes a circumferentially continuous surface facing substantially radially outward. The surface carries a plurality of imprints orientated to prevent belt slip upon the sheave.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/08/2017

(21) Application No.201714029700 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AUXILIARY BRAKE DEVICE, BRAKE DISC ASSEMBLY, BASE DISC ASSEMBLY AND PASSENGER CONVEYOR

(51) International classification :F01K15/00
(31) Priority Document No :201610775792.9
(32) Priority Date :31/08/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ZHENG, Huisheng
2)ZHOU, MingLi

(57) Abstract :
The present invention provides an additional brake device for a passenger transport device, a brake disc assembly, a wheel disc assembly, and a passenger transport device. The additional brake device comprises: a brake disc defining a hole and having an inner circumferential surface; a wheel disc having a wheel disc body and an extension, the extension being fitted into the hole of the brake disc and having an outer circumferential surface, and a first friction plate being provided between the brake disc and the wheel disc body; and a pressure holding mechanism which maintains a pressure between the brake disc and the wheel disc, wherein an intermediate member is provided between the inner circumferential surface of the brake disc and the outer circumferential surface of the extension of the wheel disc, the intermediate member comprising a metal or alloy material, and the intermediate member is coupled to the inner circumferential surface of the brake disc or the outer circumferential surface of the extension of the wheel disc. The additional brake device according to the present invention provides a stable braking deceleration.

No. of Pages : 25 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/08/2017

(21) Application No.201714029701 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SHEAVE KNURLING TOOL AND METHOD OF OPERATING

(51) International classification :F01K15/00
(31) Priority Document No :15/251,781
(32) Priority Date :30/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MARTIN, Kyle B.
2)LANESEY, David J.

(57) Abstract :
A sheave knurling tool is adapted to knurl a sheave while carrying a belt and coupled to a drive unit for rotation. The sheave knurling tool may include a body, an arm, a jack, and a knurling wheel. The body is detachably coupled to a support structure of the drive unit. The arm is pivotally engaged to the body about a pivot axis. The jack is adjustably coupled to, and extends between, the body and the arm. The knurling wheel is carried by the arm, and the jack is constructed and arranged to pivot the arm toward the sheave thereby exerting a biasing force of the knurling wheel against the sheave.

No. of Pages : 20 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/08/2017

(21) Application No.201714029732 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FUSED TRICYCLIC PYRIDAZINONE COMPOUNDS USEFUL TO TREAT ORTHOMYXOVIRUS INFECTIONS

(51) International classification :C07D498/14
(31) Priority Document No :62/380712
(32) Priority Date :29/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)James R. MANNING
4)Vanessa MARX
5)Daniel POON
6)James Clifford SUTTON
7)Benjamin R. TAFT
8)Lifeng WAN
9)Aregahegn YIFRU
10)Qian ZHAO

(57) Abstract :
The invention provides compounds of Formula (I): as further described herein, as well as pharmaceutical compositions comprising such compounds, and methods to use the compounds and pharmaceutical compositions for treatment of certain viral disorders, including influenza.

No. of Pages : 151 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2017

(21) Application No.201714030182 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IN-WHEEL MOTOR UNIT

(51) International classification :B60K6/12
(31) Priority Document No :2016-167007
(32) Priority Date :29/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Hideki FUKUDOME

(57) Abstract :
An in-wheel motor unit 1 comprises a housing 10, a motor 20, a speed reducer 30 including a rotating body 34 and an output shaft 36 fixed to the rotating body 34 and penetrating the housing 10 to extend to outside of the housing in an axle outward direction, and a hub bearing 40 including a bearing part 42 and a hub part 44 integrated with the bearing part 42. A part of the output shaft 36 positioned at an axle outward direction side of the rotating body 34 is supported only by the bearing part 42. A part of the bearing part 42 is positioned inside the housing 10. Inside of this part is disposed a first seal member 50 which fluid-tightly seals a gap between an inner race 40a and an outer race 40b at a position positioned at an axle inward direction side of a group of rolling elements 40cl.

No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2017

(21) Application No.201714030221 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CYLINDER BLOCK OF INTERNAL COMBUSTION ENGINE AND CYLINDER BLOCK MANUFACTURING METHOD

(51) International classification	:B22C9/24,	(71)**Name of Applicant :**
(31) Priority Document No	:2016-167075	**1)TOYOTA JIDOSHA KABUSHIKI KAISHA**
(32) Priority Date	:29/08/2016	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)AMANO, Takashi**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
A cylinder block (10, 50) of an internal combustion engine includes a cylinder bore wall (14, 52) that holds a piston (2) so as to allow the piston (2) to reciprocate. In at least one part of the cylinder bore wall (14, 52) in a cylinder axial direction, the density of a layer located farther from a cylinder head is lower than the density of a layer located closer to the cylinder head in the cylinder axial direction. Selected drawing: FIG. 3

No. of Pages : 36 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/08/2017

(21) Application No.201714030294 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : STAINLESS STEEL AUGER BRAID WELDING MATERIAL AND ITS MANUFACTURING METHOD

(51) International classification :B29L31/00
(31) Priority Document No :201610741866.7
(32) Priority Date :26/08/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Runtao SHU

(57) Abstract :
A kind of stainless steel auger braid welding material and its manufacturing method are disclosed in the invention, involving the field of welding technique. The stainless steel auger braid welding material consists of core wires and several steel tendons, wherein the said welding wire is of a round-bar shape; the said steel tendons are wrapped on the external surface of the said core wire along the axial line and stranded around the circumference of the said core wire, and each steel tendon shall be stranded by winding several fine wires. For the stainless steel auger braid welding material adopted in the invention, its melting rate is fast.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/08/2017

(21) Application No.201714030333 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HAZARD DETECTOR, TEST DEVICE FOR HAZARD DETECTOR, HAZARD MONITORING SYSTEM AND METHOD FOR TESTING A HAZARD DETECTOR

(51) International classification :G08B29/00
(31) Priority Document No :16186081.2
(32) Priority Date :29/08/2016
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)EICHLER, Stephan

(57) Abstract :
The invention provides a method for testing a hazard detector comprising the steps: transmitting from a test device 11 a test mode switching signal to the hazard detector 13; setting the hazard detector 13 to a test mode; transmitting from the hazard detector 13 a first test mode confirmation signal to a central monitoring unit 1; transmitting from the hazard detector 13 a second test mode confirmation signal to the test device 11; processing a subsequent hazard condition detected by the detection means 5 of the hazard detector 13 as a test event; transmitting from the hazard detector 13 a test result signal to the central monitoring unit 1; outputting from the hazard detector 13 a test completion signal; and setting the hazard detector 13 to a detection mode. The invention further provides a corresponding hazard monitoring system, a hazard detector and a test device.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/08/2017

(21) Application No.201714030343 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DISPLAY APPARATUS HAVING REDUCED DEFECTS

(51) International classification :H01L35/24
(31) Priority Document No :10-2016-0110094
(32) Priority Date :29/08/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Dongsoo Kim
2)Wonkyu Kwak
3)Jieun Lee
4)Joongsoo Moon

(57) Abstract :
Provided is a display apparatus capable of reducing generation of defects during manufacturing processes or while in use after being manufactured. The display apparatus includes a substrate including a first area including a display area, a second area spaced apart from the first area, and a bent area between the first area and the second area and connecting the first area and the second area to each other, wherein the substrate is bent about a bending axis; an inorganic insulating layer over the substrate, wherein the inorganic insulating layer includes a first opening or a first groove corresponding to the bent area and a second opening or a second groove at outside the display area to extend along at least a part of the display area; and an organic material layer at least partially filling the first opening or the first groove and the second opening or the second groove.

No. of Pages : 44 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022856 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NOVEL PROCESS FOR PREPARATION OF GLUCOCORTICOID STEROIDS

(51) International classification :A61K31/58,C07J5/00
(31) Priority Document No :272/DEL/2015
(32) Priority Date :30/01/2015
(33) Name of priority country :India
(86) International Application No :PCT/IN2016/050031
Filing Date :29/01/2016
(87) International Publication No :WO 2016/120891
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TRIPATHI Vinayak
2)KUMAR Rajesh
3)BHUWANIA Rohit
4)BHUWANIA Binay Kumar

(57) Abstract :
The present invention discloses a process for the preparation of 16, 17-acetals of pregnane derivatives having formula (I) wherein each substituent is independently selected from; R1 is H or CH3; R2 is C1-C6 linear or branched alkyl, alkynyl group or cycloalkyl group; aryl or heteroaryl group; or R1 and R2 combine to form saturated, unsaturated C3-C6 cyclic or heterocyclic ring; R3 and R4 are same or different and each independently represents H or halogen; R5 is -OH or OCOR wherein R represents H or C1-C6 linear, branched or cyclic alkyl group that may be substituted.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022858 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : THERMAL RESPONSE SWITCH

(51) International classification :H01H37/14,F04B39/00,F04C29/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2014/084082
Filing Date :24/12/2014
(87) International Publication No :WO 2016/103349
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)YAMAGUCHI Yoshio

(57) Abstract :
In this thermal response switch a heating element of a heater has a serpentine portion comprising a strip shaped metal plate. The serpentine portion is bent twice with respect to a first reference axis and a second reference axis that extend in the length direction of a housing thereby being provided with: an outer perpendicular portion that is perpendicular to the inner surface of the lid plate and on an outer side from the first reference axis; an inner perpendicular portion that is perpendicular to the inner surface of the lid plate and on an inner side from the second reference axis; and a middle perpendicular portion that is perpendicular to the inner surface of the lid plate and between the first reference axis and the second reference axis in a sandwiched state by the outer perpendicular portion and the inner perpendicular portion. Among two extremity portions in the width direction of the middle perpendicular portion at the extremity portion on the side where no other heating element is present the middle perpendicular portion has a narrow width portion that is narrower than the width of the middle perpendicular portion.

No. of Pages : 24 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022860 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COLOR PASTE PUMP CAPABLE OF BOTH MASSIVE INJECTION AND MICRO INJECTION

(51) International classification :F04B9/111,F04B27/12,B05B12/04
(31) Priority Document No :201410792555.4
(32) Priority Date :19/12/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/097973
Filing Date :18/12/2015
(87) International Publication No :WO 2016/095865
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Address of Applicant :Feilong Road Xingyang Zhengzhou Henan 450121 China
(72)**Name of Inventor :**
1)HUANG Song
2)NIU Weihong

(57) Abstract :
A color paste pump capable of both massive injection and micro injection the pump comprising: a large reciprocating displacement pump (1 2 5) the large reciprocating displacement pump (1 2 5) comprising a large reciprocating piece (2 2a 2b) a large pump body (1) and a large pump port (5); a small reciprocating piece (3) fixed to the large reciprocating piece (2 2a 2b) is disposed within the large pump body (1); a small pump body (4) is disposed on a large pump body base (102 110); the small pump body (4) is provided with a small pump port (6); the small reciprocating piece (3) the small pump body (4) and the small pump port (6) constitute a small reciprocating displacement pump (3 4 6). The color paste pump is capable of both massive injection and micro injection of color paste thus ensuring injection precision of color paste injection volume in particular micro injection volume. The pump has high precision and a simple structure and moreover has good anti leak performance high utilization in the length direction of the reciprocating cylinder body and small elastic deformation of a pump frame thereby improving reciprocating pump stroke precision.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022861 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONTROL VALVE FOR POURING COLOR PASTE IN BOTH LARGE AMOUNT AND SMALL AMOUNT

(51) International classification	:F16K11/00,B01F15/04
(31) Priority Document No	:201410792555.4
(32) Priority Date	:19/12/2014
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2015/097974 :18/12/2015
(87) International Publication No	:WO 2016/095866
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)HUANG Song
2)NIU Weihong

(57) Abstract :
A control valve for pouring color paste in both large amount and small amount comprises a valve body and a valve core disposed inside the valve body where a large pump inlet/outlet a small pump inlet/outlet a color paste bucket inlet/outlet and a color paste pouring outlet are disposed on the valve body. A channel is provided on the valve core and the valve core is rotated to enable the large pump inlet/outlet and the small pump inlet/outlet to connect to a color paste bucket or to pour color paste where at least three connection structures as follows are comprised: (1). The large pump inlet/outlet is connected to the color paste bucket the small pump inlet/outlet is connected to the color paste bucket and the large pump inlet/outlet and the small pump inlet/outlet are both connected to the color paste bucket the foregoing three manners being separate or combined. (2) The large pump inlet/outlet separately pours color paste or the large pump inlet/outlet and the small pump inlet/outlet pour color paste together or the large pump inlet/outlet is connected to the color paste pouring outlet to pour color paste or the large pump inlet/outlet and the small pump inlet/outlet are connected together to the color paste pouring outlet to pour color paste. (3) The small pump inlet/outlet separately pours color paste or the small pump inlet/outlet is connected to the color paste pouring outlet to pour color paste. The control valve disclosed in the present invention has a compact structure and ingenious design and an objective of pouring color paste in large amount or in small amount can be desirably achieved by rotating a valve core to a different direction. Meanwhile an objective of cleaning a pump body and preventing drying and clogging of color paste flowing in a pipeline and color paste at a paste outlet can be achieved and air that enters a pump body or a valve body can be further removed conveniently thereby effectively ensuring the precision of pouring color paste.

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022863 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : BREWING MODULE CAPSULE RECOGNITION MODULE AND BEVERAGE PREPARATION MACHINE

(51) International classification :A47J31/36,A47J31/44
(31) Priority Document No :14195680.5
(32) Priority Date :01/12/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/076849
Filing Date :17/11/2015
(87) International Publication No :WO 2016/087192
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)ZWICKER Dominic
3)TANNER Pascal
4)FOSCAN Claudio

(57) Abstract :
A capsule recognition module (5) for a brewing module for preparing a brewed beverage from a single serve capsule (10) comprises: an optical sensor especially a camera for sensing optical properties of the capsule (10) that is located in a capsule recognition position a capsule recognition window (52) that is made of a transparent material and is located between the capsule recognition position and the camera and a fan (70) for generating an air flow from the capsule recognition window towards the capsule recognition position.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022880 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CLEANING COMPOSITION

(51) International classification :A61L2/00,C11D3/04,C11D3/06
(31) Priority Document No :14/578381
(32) Priority Date :20/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/066686
Filing Date :18/12/2015
(87) International Publication No :WO 2016/100822
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)MATTA John J.
2)NGUYEN Tuan
3)BUI Huyen Phuong

(57) Abstract :
Provided herein is a composition that includes: (i) chelator (e.g. ethylenediaminetetraacetic acid (EDTA)) (ii) buffer system (e.g. potassium phosphate dibasic and sodium hydroxide) (iii) cleaner (e.g. diethyl glycol monoethyl ether) (iv) solubilizer (e.g. propylene glycol) and (v) diluent (e.g. water) wherein the composition has a pH of at least about 9.5. Also provided is a method of cleaning a medical device that includes contacting the medical device with the composition described herein for a period of time effective to clean the medical device. Subsequent to the cleaning the medical device can optionally be disinfected dried and stored.

No. of Pages : 22 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022881 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A LIGHT SOURCES POWERED COMMUNICATION DEVICE

(51) International classification	:H05B33/08,H05B37/02,H04B3/54
(31) Priority Document No	:201520022343.8
(32) Priority Date	:13/01/2015
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/SG2016/050071 :12/02/2016
(87) International Publication No	:WO 2016/130089
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ZHEN Cai

(57) Abstract :
A communications device for forming a network node between two or more devices or systems. The communications device has a power supply connector for connecting to a power supply in a light socket of a lighting system thereby to power the communications device. The communications device depends from the light socket by the power supply connector. The communications device also includes a receiver for receiving incoming information from one or more first devices or systems and a transmitter for transmitting outgoing information to one or more second devices or systems.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022883 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DISPLAY SYSTEM

(51) International classification :G06Q50/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/053810
Filing Date :12/02/2015
(87) International Publication No :WO 2016/129081
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)IMANARI Hiroyuki
2)KITAGOH Kazutoshi

(57) Abstract :
This display system is provided with an operation unit (2) operation unit (3) display control unit (5) and selection unit (6). The operation unit (2) performs operations needed to display on a display (7) a state of a manufacturing device. The operation unit (3) performs operations needed to display on the display (7) a state of a subject being manufactured. When the manufacturing device is selected by the selection unit (6) the display control unit (5) controls the display of the display (7) such that visibility of the manufacturing device is higher than that of the subject being manufactured. When the subject being manufactured is selected by the selection unit (6) the display control unit (5) controls the display of the display (7) such that the visibility of the subject being manufactured is higher than that of the manufacturing device.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022884 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MONITORING CONTROL DEVICE

(51) International classification :G05B23/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/055252
Filing Date :24/02/2015
(87) International Publication No :WO 2016/135859
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)FUJIEDA Hiroyuki

(57) Abstract :
Provided is a monitoring control device capable of efficiently collecting information required for analysis or the like of an occurrence of an abnormality in the monitoring control device itself while reducing the volume of log information to be stored. To achieve this the monitoring control device that monitors a state of a plant is connected with a control means for controlling the plant so as to communicate therewith and is capable of outputting a control signal for giving an instruction on the content of control for the plant to the control means is provided with: a log obtaining means for obtaining log information relating to a state or the like of the monitoring control device; an alarm ringing means for ringing alarm sounds in the case where an abnormality relating to the plant is detected; an operation detection means for detecting a ring stop operation of alarm sounds with respect to the monitoring control device; a log extraction means for extracting the log information obtained by the log obtaining means within a preset time range with a point of time of ring stop operation detection as a reference in the case where the operation detection means detects the ring stop operation; and a log information storage means for storing the log information extracted by the log extraction means.

No. of Pages : 42 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2017

(21) Application No.201714030468 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PORTABLE WATER SUPPLY

(51) International classification :E03B11/02
(31) Priority Document No :15/250,042
(32) Priority Date :29/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SEIBOLD, William

(57) Abstract :
Embodiments of the disclosed invention provide for a wheeled apparatus suitable for storing liquids, such as water for consumption, when ordinary drinking water may be scarce or unavailable. Embodiments disclosed herein can be collapsed and stored in a small profile arrangement during periods when the apparatus is not in use. Embodiments may include wheels so that the apparatus may be assembled in one location and rolled to a water source, and rolled to shelter when full of water. Embodiments may provide a hose to connect the apparatus to a standard household faucets or spigots. Once the apparatus is filled, it can be rolled to storage location while awaiting future needs. After an emergency situation passes, the apparatus may be drained and re-packed for storage.

No. of Pages : 54 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2017
(21) Application No.201714030563 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MASS BODY AND VIBRATION DAMPER

(51) International classification	:F16F 1/371	(71)**Name of Applicant :** **1)Suzuki Motor Corporation** Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka 432-8611, Japan Japan
(31) Priority Document No	:2016-168304	
(32) Priority Date	:30/08/2016	(72)**Name of Inventor :** **1)MIYAI, Takayuki**
(33) Name of priority country	:Japan	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
In a mass body 2, bottom edge portions of a pair of side portions 22 and 23 are connected to respective top (connection-side) edge portions, located on the two respective sides in the X direction, of a main body 21. Since the center of gravity O of the mass body 2 is located in the vicinity of a first contact surface 211 in the Z direction and is approximately the same in Z coordinate as second contact surfaces 221 and 231, an upward or downward movement of the mass body 2 can be stopped by a first stopper 32 or second stoppers 33 and 34 at a position that is in the vicinity, in the Z direction, of or approximately the same in Z coordinate as the center of gravity O of the mass body 2. Thus, overvibration can be prevented easily.

No. of Pages : 26 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2017

(21) Application No.201714030644 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ELECTRICALLY CONDUCTIVE CONDUIT ASSEMBLY

(51) International classification :H02G3/06
(31) Priority Document No :62/381,862
(32) Priority Date :31/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Brant Lyall
2)David Peterson
3)Brian Ignaczak

(57) Abstract :
A conduit assembly with a tube formed from a polymeric material with a nanoparticulate component. The polymeric material has an electrical conductivity in a range between 1 x 10-14 and 4.7 x 106 (S/m) at 20°C. An electrical contact is electrically coupled with the conduit assembly to receive electrical current. A ground is electrically coupled with the conduit assembly to ground the electrical current passed through the conduit assembly.

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/07/2017

(21) Application No.201717026433 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FLOW STABILIZING STRUCTURE AND VENTILATION DEVICE USING SAME

(51) International classification :F24F13/08,F24F7/06
(31) Priority Document No :201610152404.1
(32) Priority Date :17/03/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/078290
Filing Date :01/04/2016
(87) International Publication No :WO 2017/156802
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)RUAN Hongzheng
2)TANG Guangye

(57) Abstract :
Disclosed are a flow stabilizing structure and a ventilation device (100) using the same. The ventilation device (100) comprises a cabinet body (101) provided in a room wherein an inner cavity of the cabinet body (101) constitutes a working cavity (102) and a front wall of the cabinet body (101) forms a front opening which is open to an indoor environment; an air supplement channel (1061) by which the air via an air supplement opening provided on the cabinet body (101) and extending along a lateral width direction of the working cavity (102) is supplemented to the working cavity (102); and an air discharge channel (1071) by which the air entering the working cavity (102) via the front opening and the air entering the working cavity (102) via the air supplement opening are discharged to outside of the room from the working cavity (102). The flow stabilizing structure is provided in the air supplement channel (1061) an air supplement flow is blown from left and right ends of the flow stabilizing structure into the flow stabilizing structure and is blown out in a uniform and steady manner along the air supplement opening located at a lateral direction of the flow stabilizing structure after flowing through the flow stabilizing structure.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/07/2016

(21) Application No.201611024522 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NOVEL MITICIDAL BENZYLAMIDES

(51) International classification	:a61k 31/00	(71)**Name of Applicant :** **1)Insecticides (India) Limited** Address of Applicant :401-402 Lusa Tower, Azadpur Commercial Complex, Delhi-110033, India Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)Tetsuya Imai**
Filing Date	:NA	**2)Surendra Kumar Kumawat**
(87) International Publication No	: NA	**3)Manish Kumar Singh**
(61) Patent of Addition to Application Number	:NA	**4)Pramod Kumar Chauhan**
Filing Date	:NA	**5)Amol Vasant Shelke**
(62) Divisional to Application Number	:NA	**6)Rajesh Kumar Singh**
Filing Date	:NA	**7)Ram Kishore**

(57) Abstract :
An object of the present invention is to provide a benzylamide compound or a salt thereof that controls a mite. The present invention provides a benzylamide compound represented by Formula (1): or a salt thereof, wherein R1 represents Ci-6 alkyl or Ci-6 haloalkyl; R2 and R3 are identical or different and each represent hydrogen, halogen, cyano, nitro, Ci-6 alkyl, or the like; R4 represents hydrogen, formyl, Ci-6 alkyl, or the like; R5 and R6 are identical or different and each represent hydrogen, halogen, or Ci-6 alkyl, or the like; R7, R8, R9, R10, and R11 are identical or different and each represent hydrogen, halogen, or the like; X represents oxygen or sulfur; and n represents an integer of 0 to 2.

No. of Pages : 74 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/03/2016

(21) Application No.201617008620 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : GRAIN ORIENTED ELECTRICAL STEEL WITH IMPROVED FORSTERITE COATING CHARACTERISTICS

(51) International classification :C21D1/76,C21D8/12,C22C38/00
(31) Priority Document No :61/870332
(32) Priority Date :27/08/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/052731
Filing Date :26/08/2014
(87) International Publication No :WO 2015/031377
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SCHOEN Jerry William
2)
3)WILKINS Christopher Mark

(57) Abstract :
Increasing the chromium content of an electrical steel substrate to a level greater than or equal to about 0.45 weight percent (wt%) produced a much improved forsterite coating having superior and more uniform coloration thickness and adhesion. Moreover the so formed forsterite coating provides greater tension potentially reducing the relative importance of any secondary coating.

No. of Pages : 32 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/07/2017

(21) Application No.201717027145 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COORDINATION OF SIMULTANEOUS MULTI RAT CAMPING

(51) International classification :H04W60/00,H04W68/06,H04W60/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/067685
Filing Date :25/07/2016
(87) International Publication No :WO 2018/019362
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)RUNE Johan
2)DA SILVA Icaro L. J.
3)MILDH Gunnar
4)PRADAS Jose Luis

(57) Abstract :
The present invention relates to the coordination of simultaneous multi RAT camping in in a wireless communication network that provides radio access for a terminal device via at least a first and second wireless radio access operating with different radio access technologies. The improved multi RAT camping is achieved by transmitting by a network node an indication regarding a set of camping areas CAs including a first set of camping areas being associated with the first RAT and a second set of camping areas being associated with the second RAT; performing by the terminal device camping in a coverage area defined based on the set of CAs; and updating by the terminal device the communication network with a geographic location of the terminal device a) when the terminal device enters a new coverage area being different from the coverage area defined by both the first and second set of CAs as a first mechanism or b) when the terminal device enters a new coverage area being different from the coverage area defined by one of the first and second set of CAs as a second mechanism.

No. of Pages : 32 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/07/2017

(21) Application No.201717027209 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : *NEISSERIA MENINGITIDIS* COMPOSITIONS AND METHODS THEREOF

(51) International classification :A61K39/095,A61K39/295,C07K14/22
(31) Priority Document No:62/118457
(32) Priority Date :19/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/050829
Filing Date :16/02/2016
(87) International Publication No :WO 2016/132294
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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6)JANSEN Kathrin Ute
7)JONES Thomas Richard
8)KHANDKE Lakshmi
9)LOUN Bounthon
10)PEREZ John Lance
11)ZLOTNICK Gary Warren

(57) Abstract :
In one aspect the invention relates to a composition including a first polypeptide having the sequence set forth in SEQ ID NO: 1 and a second polypeptide having the sequence set forth in SEQ ID NO: 2. In one embodiment the composition includes about 120 µg/ml of a first polypeptide including the amino acid sequence set forth in SEQ ID NO: 1 120 µg/ml of a second polypeptide including the amino acid sequence set forth in SEQ ID NO: 2 about 2.8 molar ratio polysorbate 80 to the first polypeptide about 2.8 molar ratio polysorbate 80 to the second polypeptide about 0.5 mg/ml aluminum about 10 m M histidine and about 150 m M sodium chloride. In one embodiment a dose of the composition is about 0.5 ml in total volume. In one embodiment two doses of the composition induce a bactericidal titer against diverse heterologous subfamily A and subfamily B strains in a human.

No. of Pages : 132 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/03/2016

(21) Application No.201617008342 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR BRAKING A RAIL VEHICLE AND OPEN LOOP AND/OR CLOSED LOOP CONTROL DEVICE FOR A BRAKE SYSTEM

(51) International classification :B60T8/17
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2013/070077
Filing Date :26/09/2013
(87) International Publication No :WO 2015/043636
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)JENNEK Steffen
2)
3)STOFF Helmut

(57) Abstract :
The invention relates to a method for braking a rail vehicle by means of a brake system (10) comprising an open loop and/or closed loop control device (12) wherein the open loop and/or closed loop control device (12) comprises a slide protection monitoring unit (14) for ensuring a specified adhesion value between the wheels of the rail vehicle and the rail and wherein braking demand signals of different origin (20 22) are taken into account by the open loop and/or closed loop control device (12). According to the invention the slide protection function of the slide protection monitoring unit (14) is deactivated for braking that is free of slide protection when at least two braking demand signals of different origin (20 22) the braking demand of which braking demand signals exceeds a specified deceleration limit are present at the same time. The invention further relates to a corresponding open loop and/or closed loop control device (12) for a brake system (10) and to such a brake system (10).

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/07/2017

(21) Application No.201717026926 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR RETRIEVING AND PROCESSING CREDIT DATA FOR CENTRALIZED REVIEW

(51) International classification	:G06Q40/02,G06Q50/10,G06Q50/26
(31) Priority Document No	:62/108950
(32) Priority Date	:28/01/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/015425 :28/01/2016
(87) International Publication No	:WO 2016/123379
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)GUARRERA F.J.
3)HENNY Carrie
4)AKE Tim E.
5)LACHAPPELLE Craig
6)FULMER Mike
7)OKRUTNY Anthony
8)BLOTZER Mary Ann

(57) Abstract :
Systems and methods are provided for retrieving processing and formatting credit data from multiple credit bureaus. Credit data review requests can be received from a financial institution for retrieving credit data for individuals. The credit data may be retrieved from the credit bureaus based on the request. Data fields in the credit data can be identified and formatted for comparison purposes. The formatted data fields may be transmitted to a terminal for review by a user. Financial institutions can utilize the systems and methods to ease compliance and auditing processes when verifying modifications to credit data for individuals at the credit bureaus and retrieving credit data to verify disputed information.

No. of Pages : 13 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/07/2017

(21) Application No.201717026976 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DUAL CHAMBER PACK FOR PHARMACEUTICAL COMPOSITIONS

(51) International classification :A61J1/14,A61J1/16,B65D51/28
(31) Priority Document No :NA
(32) Priority Date : -
(33) Name of priority country :
(86) International Application No :PCT/IB2016/052488
Filing Date :02/05/2016
(87) International Publication No :WO 2017/191485
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BHARGAVA Rahul
2)MITTAL Bhupesh Kumar

(57) Abstract :
The present invention relates to a dual chamber pack with a first chamber comprising a container; and a second chamber comprising a reservoir a biphasic connector a plunger and a plug with a breakable polymeric membrane. The container of the first chamber is prefilled with a pharmaceutically acceptable vehicle and the reservoir of the second chamber is prefilled with a solid composition of an active ingredient wherein the solid composition of the active ingredient is mixed with the pharmaceutically acceptable vehicle to form a liquid pharmaceutical composition upon activation of the dual chamber pack.

No. of Pages : 15 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/07/2017

(21) Application No.201717026993 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : OLIGOSACCHARIDE COMPOSITIONS FOR USE ANIMAL FEED AND METHODS OF PRODUCING THEREOF

(51) International classification :A23K10/00
(31) Priority Document No :62/108037
(32) Priority Date :26/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/013280
Filing Date :13/01/2016
(87) International Publication No :WO 2016/122887
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)MARDIROSIAN Raffi
3)GIDDING Michael J.
4)MURPHY Anastasia V.

(57) Abstract :
Described herein are methods of producing animal feed made up of oligosaccharide compositions, as well as methods of producing such oligosaccharide compositions and animal feed compositions, and methods of using such animal feed compositions to enhance animal growth. The present application addresses this need in the art by providing oligosaccharide compositions suitable for use in animal feed compositions, and methods for producing oligosaccharide compositions suitable for use in animal feed compositions. In one aspect, provided is a method of producing an animal feed composition, by: combining feed sugar with a catalyst to form a reaction mixture; producing an oligosaccharide composition from at least a portion of the reaction mixture; and combining the oligosaccharide composition with a base feed to produce an animal feed composition.

No. of Pages : 292 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2017

(21) Application No.201717030729 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROTATING ELECTRICAL MACHINE SYSTEM DRIVING DEVICE FOR ROTATING ELECTRICAL MACHINE DRIVING METHOD THEREOF AND VEHICLE

(51) International classification :H02P27/06,H02K1/27,H02P21/00
(31) Priority Document No :2016057459
(32) Priority Date :22/03/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/075709
Filing Date :01/09/2016
(87) International Publication No :WO 2017/163450
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)SAKURADA Shinya

(57) Abstract :
In a system according to an embodiment a rotating electrical machine is a permanent magnet type configured by forming magnetic poles of a rotor using permanent magnets. An inverter generates an AC voltage by switching and outputs the voltage to the rotating electrical machine as driving power. A control device detects a field component current in the rotating electrical machine estimates a rotor speed of the rotating electrical machine from the detected current determines a field component voltage in the rotating electrical machine on the basis of a difference between the estimated rotor speed and a target speed and controls switching of the inverter on the basis of the field component voltage to cause the rotor speed to follow the target speed. The permanent magnets are R Co based magnets (R is at least one element selected from rare earth elements) containing 25 to 40 atomic% iron. Further on the basis of a negative field component current characteristic corresponding to the rotor speed and based on the material of the permanent magnet the control device increases or decreases the field component voltage thereby performing field weakening control.

No. of Pages : 54 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717030978 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : RILUZOLE PRODRUGS AND THEIR USE

(51) International classification :C07D277/82,A61K31/428,A61P25/00
(31) Priority Document No :62/127684
(32) Priority Date :03/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/019787
Filing Date :26/02/2016
(87) International Publication No :WO 2016/140879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)REITZ Allen B.
3)PELLETIER Jeffery Claude
4)SMITH Garry Robert
5)BIAN Haiyan

(57) Abstract :
Pharmaceutical compositions of the invention include substituted riluzole prodrugs useful for the treatment of cancers including melanoma, breast cancer, brain cancer, and prostate cancer through the release of riluzole. Prodrugs of riluzole have enhanced stability to hepatic metabolism and are delivered into systemic circulation by oral administration, and then cleaved to release riluzole in the plasma via either an enzymatic or general biophysical release process.

No. of Pages : 229 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717030998 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ELECTROMAGNETIC STEEL SHEET AND METHOD FOR PRODUCING ELECTROMAGNETIC STEEL SHEET

(51) International classification :C23C22/00,B32B7/02,B32B15/08
(31) Priority Document No :2015036167
(32) Priority Date :26/02/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/054268
Filing Date :15/02/2016
(87) International Publication No :WO 2016/136515
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)FUJII Hiroyasu
3)TAKAHASHI Masaru
4)YAMAZAKI Shuichi
5)HORI Hiroki

(57) Abstract :
An electromagnetic steel sheet which has an insulating coating film on the surface of a steel sheet. The insulating coating film contains: a binder that is configured of 100 parts by mass of a phosphoric acid metal salt and 1 50 parts by mass of an organic resin having an average particle diameter of 0.05 0.50 μm; and a carboxylic acid compound having 2 50 carbon atoms in an amount of 0.1 10.0 parts by mass relative to 100 parts by mass of the solid content of the binder. The organic resin is composed of one or more resins selected from among acrylic resins epoxy resins and polyester resins. This electromagnetic steel sheet is provided with an insulating coating film which exhibits good rust prevention performance at end faces after punching.

No. of Pages : 26 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717030999 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DISPLAY APPARATUS

(51) International classification :G02F1/1333,G02F1/1335
(31) Priority Document No :1020150017003
(32) Priority Date :03/02/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/000932
Filing Date :28/01/2016
(87) International Publication No :WO 2016/126049
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)LEE Heong Seog

(57) Abstract :
Disclosed herein is a display apparatus having a quantum dot sheet to change color by converting the wavelength of blue lights, a middle mold having a middle supporting unit to support a front edge unit of a light guide plate, and a supplement member coupled to the middle supporting unit and configured to reflect the light radiated from the a source to prevent the light that is radiated from the light source from exiting through the gap between the light guide plate and the middle supporting unit, and thus the generation of bright line may be minimized and heat radiation performance may be enhanced.

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031003 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MAGNETIC DECOMPOSITION DEVICE, AND MAGNETIC DECOMPOSITION METHOD

(51) International classification :B09B3/00,A61L9/16,B01D51/00
(31) Priority Document No :2015022411
(32) Priority Date :06/02/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/053362
Filing Date :04/02/2016
(87) International Publication No :WO 2016/125858
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)CHIN Kyongil

(57) Abstract :
[Problem] To carry out magnetic decomposition by effectively utilizing flue gas. [Solution] In the present invention, a lid 122 is opened, waste material is loaded into a hopper 120, and by opening a shutter 124, the waste material drops into a pyrolysis processing chamber 110. Upon opening an opening 112 and blowing hot air thereinto using a hot-air gun 40, the pyrolysis of the waste material is carried out in the pyrolysis processing chamber 110. The flue gas generated by the pyrolysis is sent through an exhaust duct 20 to a filter part 200, and by passing through a shower 210 and inclined-plate filter 220 of the filter part 200, the temperature of the flue gas drops and tar is removed therefrom. Next, the flue gas passes through a blower 230 and passes through a water tank filter 240, and as a result thereof, tar is removed, and then the removal of moisture is carried out using a fabric filter 250. Thereafter, an odor is removed using a zeolite filter 260 and an active carbon filter 270, and then, from an intake duct 30, a magnetic field is imparted to the flue gas by a magnet 32 and the flue gas is sent to the pyrolysis processing chamber 110.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031007 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SOLID FREE-FLOWING PARTICULATE LAUNDRY DETERGENT COMPOSITION

(51) International classification :C11D1/29,C11D3/04,C11D3/10
(31) Priority Document No :15161704.0
(32) Priority Date :30/03/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/US2016/024814
Filing Date :30/03/2016
(87) International Publication No :WO 2016/160864
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CHIEFFI Andre
3)CLARE Jonathan Richard
4)BROOKER Alan Thomas
5)PICKERING Carly
6)GOULD Paul Anthony

(57) Abstract :
The present invention relates to a solid free-flowing particulate laundry detergent composition comprising: (a) from 0.5wt% to 20wt% AES particle comprising: (i) from 40wt% to 60wt% partially ethoxylated alkyl sulphate anionic detersive surfactant, wherein the partially ethoxylated alkyl sulphate anionic detersive surfactant has a molar average degree of ethoxylation of from 0.8 to 1.2, and wherein the partially ethoxylated alkyl sulphate anionic detersive surfactant has a molar ethoxylation distribution such that: (i.i) from 40wt% to 50wt% is unethoxylated, having a degree of ethoxylation of 0; (i.ii) from 20wt% to 30wt% has a degree of ethoxylation of 1; (i.iii) from 20wt% to 40wt% has a degree of ethoxylation of 2 or greater; (ii) from 20wt% to 50wt% salt, wherein the salt is selected from sulphate salt and/or carbonate salt; and (iii) from 10wt% to 30wt% silica; and (b) from 0.01wt% to 2wt% perfume, wherein the perfume comprises at least 60wt% of perfume materials having a ClogP of 3.0 or greater.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031028 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NOZZLE FOR A PLASMA ARC TORCH

(51) International classification :H05H1/34
(31) Priority Document No :DE 10 2015 101 532.3
(32) Priority Date :03/02/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/051689
Filing Date :27/01/2016
(87) International Publication No :WO 2016/124463
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KRINK Volker
2)LAURISCH Frank
3)GRUNDKE Timo

(57) Abstract :
Nozzles for a liquid-cooled plasma arc torch head, and arrangement of a nozzle holder and such a nozzle and plasma arc torch head, and plasma arc torch having same.

No. of Pages : 15 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031037 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : C-3 NOVEL TRITERPENONE WITH C-28 REVERSE AMIDE DERIVATIVES AS HIV INHIBITORS

(51) International classification :C07J63/00,A61K31/56,A61K31/58
(31) Priority Document No :623/CHE/2015
(32) Priority Date :09/02/2015
(33) Name of priority country :India
(86) International Application No :PCT/IB2016/000811
Filing Date :09/02/2016
(87) International Publication No :WO 2016/178092
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DAVID KRUPADANAM Gazula Levi
3)PANDURANGA REDDY Adulla
4)BHASKAR REDDY Kasireddy
5)VL SUBRAHMANYAM Lanka
6)RATHNAKAR REDDY Kura

(57) Abstract :
Formula (I) The invention relates to C 3 novel triterpenone with C 28 reverse amide derivatives related compounds and pharmaceutical compositions useful for the therapeutic treatment of viral diseases and particularly HIV mediated diseases.

No. of Pages : 136 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031038 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD USING A FLOATABLE OFFSHORE DEPOT

(51) International classification :B63B35/44
(31) Priority Document No :14/630576
(32) Priority Date :24/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/015163
Filing Date :27/01/2016
(87) International Publication No :WO 2016/137644
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)VANDENWORM Nicolaas Johannes

(57) Abstract :
A method using a floatable offshore depot to provide sheltered area using a tunnel for safe and easy launching or docking of watercraft and embarkation or debarkation of personnel. The method can be used to transfer equipment between the watercraft and the floatable offshore depot using an internal dock side of the tunnel. The floatable offshore depot can have a buoyant hull, a keel, a main deck, and at least two connected sections between the keel and the main deck. The connected sections can extend downwardly from the main deck toward the keel and can have an upper cylindrical side section, a transition section, and a lower cylindrical section. The method uses the tunnel at an operational depth, with a tunnel opening to an exterior of the buoyant hull to receive the watercraft.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031039 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SPACE-BASED ELECTRONIC DATA STORAGE AND TRANSFER NETWORK SYSTEM

(51) International classification :H04W84/06,H04B7/185,H04B7/19
(31) Priority Document No :62/111600
(32) Priority Date :03/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/016467
Filing Date :03/02/2016
(87) International Publication No :WO 2016/126888
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KAEN Hooshang
2)SOBHANI Shahraum Scott

(57) Abstract :
A space-based electronic data storage and transfer network system is disclosed. The network system includes terrestrial access points, a plurality of geostationary communications satellites, and a plurality of communicatively coupled low-earth orbit data storage satellites. The terrestrial access point establishes a link or communication with a geostationary communications satellite which relays the link or communication to a low-earth orbit data storage satellite for storing information contained within the link or communication. The terrestrial access point can also establish a link or communication with a geostationary communications satellite which relays the link or communication to a low-earth orbit data storage satellite requesting retrieval of information stored within the link or communication. Any low-earth orbit data storage satellite can access data from any other low-earth orbit data storage satellite through the communicative coupling. The network disclosed can be quickly and securely accessed from anywhere on earth.

No. of Pages : 21 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017
(21) Application No.201717031044 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : REGULATION OF GENE EXPRESSION BY APTAMER-MEDIATED MODULATION OF ALTERNATIVE SPLICING

(51) International classification :C12N15/11,C12N15/63,C12N15/85
(31) Priority Document No :62/110919
(32) Priority Date :02/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/016234
Filing Date :02/02/2016
(87) International Publication No :WO 2016/126747
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)DANOS F. Olivier
3)VOLLES J. Michael
4)GUO Xuecui

(57) Abstract :
The invention provides a platform and methods of using the platform for the regulation of the expression of a target gene using exposure to an aptamer ligand (for example, a small molecule). The platform features a polynucleotide gene regulation cassette that is placed in the target gene and includes a synthetic riboswitch positioned in the context of a 5 intron-alternative exon-3 intron. The riboswitch comprises an effector region and a sensor region (e.g., an aptamer that binds a small molecule ligand) such that the alternative exon is spliced into the target gene mRNA when the ligand is not present thereby preventing expression of the target gene. When the ligand is present, the alternative exon is not spliced into the target gene mRNA thereby providing expression of the target gene.

No. of Pages : 62 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031047 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FLOATING VESSEL

(51) International classification :B63B35/44,B63B21/04,E21B17/01
(31) Priority Document No :14/630563
(32) Priority Date :24/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/015159
Filing Date :27/01/2016
(87) International Publication No :WO 2016/137643
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)VANDENWORM Nicolaas Johannes

(57) Abstract :
A floating vessel configured to support at least one of: drilling of wells, workover of wells, production, and storage of hydrocarbons, and personnel accommodation, having a hull. The hull has a bottom surface, a top deck surface, and at least two connected sections engaging between the bottom surface and the top deck surface. The at least two connected sections are joined in a series and symmetrical about a vertical axis. The connected sections extend downwardly from the top deck surface toward the bottom surface. The connected sections can have an upper cylindrical portion, a neck section, and a lower conical section. At least one fin is secured to the hull and the lower conical section provides added mass improved hydrodynamic performance through linear and quadratic damping to the hull.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031049 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HEAT, FLEX FATIGUE AND OZONE RESISTANT CONVEYOR BELT COVER

(51) International classification :C08L9/00,B65G15/32
(31) Priority Document No :62/198759
(32) Priority Date :30/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/039987
Filing Date :29/06/2016
(87) International Publication No :WO 2017/019235
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BURROWES George

(57) Abstract :
Rubber blends of SBR and EPDM having improved dynamic ozone resistance, heat resistance, and flex fatigue resistance can be made by co-curing such rubber blends with a sulfur donor/accelerator and a peroxide curing agent. In some aspects, these blends are void of free sulfur. These cured rubber formulations can advantageously be used in a wide variety of industrial rubber products, such as in conveyor belts. The disclosure also reveals conveyor belts which have a combination of good dynamic ozone resistance, heat resistance, and flex fatigue resistance. The conveyor belt include a carry cover layer, a pulley cover layer, and a reinforcement layer which is situated between the carry cover layer and the pulley cover layer, and the carry cover layer and/or the pulley cover layer contain cured rubber formulations according to the disclosure.

No. of Pages : 15 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031050 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : KONDENSIERTE BICYCLISCHE HETEROCYCLEN-DERIVATCONDENSED BICYCLIC HETEROCYCLE DERIVATIVES AS PEST CONTROL AGENTS AND INTERMEDIATE PRODUCTE ALS SCH„DLINGSBEK„MPFUNGSMITTEL UND DEREN ZWISCHENPRODUKTE

(51) International classification :C07D519/00,A01N43/50
(31) Priority Document No :15162775.9
(32) Priority Date :08/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/057389
Filing Date :05/04/2016
(87) International Publication No :WO 2016/162318
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)WILCKE David
3)HAGER Dominik
4)ILG Kerstin
5)EILMUS Sascha
6)G–RGENS Ulrich
7)TURBERG Andreas

(57) Abstract :
The invention relates to novel compounds of formula (I), wherein R1, R2, R3, and Q and n have the meanings indicated in the description, to the use thereof as acaricides and/or insecticides for controlling animal pests, and to methods and intermediate products for the production thereof.

No. of Pages : 116 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031052 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CHROMATOGRAPHY MEMBRANES FORMED BY THIOL ENE OR THIOL YNE CLICK POLYMERIZATION REACTIONS

(51) International classification	:B01D69/12,B01D67/00,B01D71/06
(31) Priority Document No	:62/118577
(32) Priority Date	:20/02/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/IB2016/000297 :22/02/2016
(87) International Publication No	:WO 2016/132224
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)RAGHEB Amro

(57) Abstract :
Disclosed are composite materials and methods of making them. The composite materials comprise a support member and a cross-linked gel, wherein the cross-linked gel is a polymer synthesized by thiol-ene or thiol-yne polymerization and cross-linking. The cross-linked gel may be functionalized by a thiol-ene or thiol-yne grafting reaction, either simultaneously with the polymerization or as the second step in a two-step procedure. The composite materials are useful as chromatographic separation media.

No. of Pages : 64 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031054 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SPORTS HELMET WITH A PROTECTIVE PAD

(51) International classification :A42B3/10,A42B3/20,A63B71/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2015/052278
Filing Date :04/02/2015
(87) International Publication No :WO 2016/124233
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)COMBES Mark Benjamin David
2)MILLER Samuel Anthony
3)MEEKS Alan Michael George

(57) Abstract :
The invention relates to a sports helmet (1) and a face guard (2) attached to said helmet (1), said face guard (2) having a cage type construction of interconnected struts (3, 4) capable of surrounding and protecting at least the front and sides of the jaw of a wearer (20), where a protective pad (5) is provided with attachment means (10, 17) for securely attaching said protective pad (5) to said struts (3) of the face guard (2). The protective pad (5) can be provided with hexagonal openings (11) and one or more of the hexagonal openings (11) are filled with an impact absorbent crush foam. The invention also relates to a protective pad (5) configured for use in connection with a sports helmet

No. of Pages : 14 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031067 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METAL OXIDE PARTICLES AND METHOD OF PRODUCING THEREOF

(51) International classification :B82Y30/00,H01L21/00
(31) Priority Document No :62/134691
(32) Priority Date :18/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2016/050284
Filing Date :16/03/2016
(87) International Publication No :WO 2016/147181
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KHASIN Ernst

(57) Abstract :
Methods of producing high purity powders of submicron particles of metal oxides are presented. The methods com prise providing or forming an alloy of a first metal with a second metal, optionally heating the alloy, subjecting the alloy to a leach - ing agent to remove the second metal from the alloy and to oxidize the first metal, thus forming submicron oxide particles of the first metal. Collections of high purity, high surface area, submicron particles are presented as well.

No. of Pages : 21 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031071 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONTENT ADAPTIVE B PICTURE PATTERN VIDEO ENCODING

(51) International classification	:H04N19/114,H04N19/573,H04N19/577
(31) Priority Document No	:14/638503
(32) Priority Date	:04/03/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/019828 :26/02/2016
(87) International Publication No	:WO 2016/140883
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)AMER Ihab M. A.
3)BOBROVNIK Oleksandr O.
4)ZAKHARCHENKO Vladyslav S.

(57) Abstract :
A method of video encoding is disclosed which is content adaptive. The encoding method is automatically adjusted to optimize the encoding, the adjusting depending on the content of the pictures being encoded. A system for implementing the method and a non-transitory computer-readable storage medium for storing instructions of the method are also disclosed.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031082 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : USER TERMINAL AND PROVIDING METHOD THEREFOR

(51) International classification :A61B3/12,A61B3/14
(31) Priority Document No :1020150020070
(32) Priority Date :10/02/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/001362
Filing Date :05/02/2016
(87) International Publication No :WO 2016/129917
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KOH Jun ho
3)KWAK Byeong hoon
4)KIM Sung chan
5)KIM Yang wook
6)KIM Chang han
7)KIM Hyun jung
8)NA In hak
9)YOON Kang jin
10)LEE Yong chan
11)JUNG Jae ho

(57) Abstract :
A user terminal and a providing method therefor are provided. According to the present providing method for the user terminal, the method comprises the steps of: acquiring an iris image; determining a photographing requirement of the iris image; converting the acquired iris image into an iris code, and comparing the converted iris code with an iris code corresponding to the photographing requirement among iris codes registered in advance, thereby recognizing an iris; determining a users physical condition, for which the iris has been recognized on the basis of the iris recognition result, if an iris recognition success rate is within a preset range according to the result of recognizing the iris; and providing the determined physical condition result.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017
(21) Application No.201717031083 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TERMINAL MONITORING DEVICE, TERMINAL MONITORING METHOD AND STORAGE MEDIUM

(51) International classification :G08B13/196,G07D9/00,H04N7/18
(31) Priority Document No :2015036607
(32) Priority Date :26/02/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/078361
Filing Date :06/10/2015
(87) International Publication No :WO 2016/136013
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)MASUDA Makoto
3)KOIKE Hideto

(57) Abstract :
[Problem] To propose a terminal monitoring device, a terminal monitoring method and a storage medium, with which it is possible to detect suspicious behavior toward a terminal device more precisely. [Solution] A terminal monitoring device of the present invention is provided with: a behavior information acquisition unit which acquires behavior information that indicates the behavior of a user in respect to a terminal device; an extraction unit which extracts a specific behavior of the user from the behavior information acquired by the behavior information acquisition unit; a state information acquisition unit which acquires state information that indicates a state of the terminal device; and a determination unit which determines whether the specific behavior is a normal behavior, on the basis of a correspondence relationship between the specific behavior extracted by the extraction unit and the state information acquired by the state information acquisition unit.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031084 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS FOR THE TREATMENT OF NONALCOHOLIC FATTY LIVER DISEASE AND/OR LIPODYSTROPHY

(51) International classification	:A61K31/40,A61K31/47,C07D215/20
(31) Priority Document No	:62/130488
(32) Priority Date	:09/03/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/021162 :07/03/2016
(87) International Publication No	:WO 2016/144862
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MANTZOROS Christos

(57) Abstract :
The present invention relates to methods for treating a disease associated with insulin resistance selected from a nonalcoholic fatty liver disease (NAFLD) and its sequelae a lipodystrophic syndrome or a combination thereof with the selecti ve PPARy agonist INT 131. and optionally vitamin E or compositions thereof. NAFLBs that may be treated with methods and compositions of the present invention include but are not limited to simple nonalcoholie fatty liver and nonalcoholic steatohepatitis (NASH) Lipodystrophic syndromes that may be treated with the methods and compositions of the present invention include but are not limited to generalized lipodystrophy including congenital generalized lipodystrophy and acquired generalized lipodystrophy and/or partial lipodystrophy including congenital partial lipodystrophy and acquired partial lipodystrophy ail of which may or may not include hyperllpidemia and/or hyperglycemia and may or may not include NAFLD.

No. of Pages : 21 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031087 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMMUNOMODULATORS

(51) International classification :C07K7/54,A61K38/12,A61P35/00
(31) Priority Document No :62/111900
(32) Priority Date :04/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/016074
Filing Date :02/02/2016
(87) International Publication No :WO 2016/126646
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)LI Ling
4)MAPELLI Claudio
5)POIRIER Maude A.
6)SUN Li Qiang
7)ZHAO Qian
8)MULL Eric
9)GILLIS Eric P.
10)SCOLA Paul Michael

(57) Abstract :
The present disclosure provides novel macrocyclic peptides which inhibit the PD-1/PD-L1 and PD-L1/CD80 protein/protein interaction, and thus are useful for the amelioration of various diseases, including cancer and infectious diseases.

No. of Pages : 177 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031088 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONNECTING ELEMENT FOR PRODUCING A FRICTION WELDING CONNECTION

(51) International classification :B23K20/12,B21J15/02,B23K35/02
(31) Priority Document No :10 2015 202 074.6
(32) Priority Date :05/02/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/052290
Filing Date :03/02/2016
(87) International Publication No :WO 2016/124647
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DUBIEL Gerhard
4)SPINDLER Daniel
5)MIELISCH Marco

(57) Abstract :
The invention relates to a connecting element (10, 20, 30, 50) for producing a component connection (70) of two components (72, 74; 92) lying against each other by means of the connecting element (10, 20, 30, 50), which is welded to the lower layer (74) - the base layer - by friction, wherein the connecting element (10, 20, 30, 50) has a shaft (18), which has a shaft segment (14) and a head (12) having a flat surface (20) lying on the top side of the head for transmitting the axial force, wherein a drive cut-out (22, 32) is introduced into the flat surface (20) in order to transmit a torque. The invention is characterized in that a continuous diameter increase starting at an ascent level (A) on the shaft segment (18) to the bottom side of the head results, wherein the distance from the ascent level (A) to a head bottom-side level (K), which has the greatest distance from the shaft end, is less than half the difference between the head outside diameter and the shaft diameter at the ascent level (DA - DS) / 2 (D2) and greater than a quarter of the difference between the head outside diameter and the shaft diameter at the ascent level (DA - DS) / 4 (D1).

No. of Pages : 11 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/07/2017

(21) Application No.201717025718 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEVICE AND METHOD FOR LOCKING AND CONTROLLING A WEAPON

(51) International classification :F41A17/06
(31) Priority Document No :236394
(32) Priority Date :22/12/2014
(33) Name of priority country :Israel
(86) International Application No :PCT/IL2015/051192
Filing Date :09/12/2015
(87) International Publication No :WO 2016/103249
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ZIMERMAN Yonatan

(57) Abstract :
Some aspects of the invention are related to a locking device for a firearm and a method of controlling such a locking device. The locking device may include a locking cartridge adapted to be inserted into a firing chamber of the firearm, the locking cartridge may include a cartridge-like housing and a locking mechanism located in the cartridge- like housing. In some embodiments, when the locking mechanism is in an unlocked state, the locking mechanism may be extractable from the firearms firing chamber, by cocking the firearm and when the locking mechanism is in a locked state, cocking the firearm may fasten the locking mechanism in the firearms firing chamber. The locking device may further include an actuator adapted to change the state of the locking mechanism between the locked state and the unlocked state and a controller, in active communication with the actuator, configured to operate the actuator according to a signal received from an input device. In some embodiments, the locking cartridge, the actuator and the controller are extricable from the firearm together as a single unit.

No. of Pages : 21 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/07/2017

(21) Application No.201717025719 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PRECISION CALIBRATION METHOD FOR ATTITUDE MEASUREMENT SYSTEM

(51) International classification :G01C17/00,G01C17/38
(31) Priority Document No :201510665021.X
(32) Priority Date :13/10/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/088303
Filing Date :04/07/2016
(87) International Publication No :WO 2017/063386
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SHEN Xuefeng
3)ZHAO Wenlong
4)DAI Wending
5)YUE Qiang

(57) Abstract :
A precision calibration method for an attitude measurement system, comprising the following steps: calibrating, by means of an ellipsoid fitting model, zero offsets, scale factors, and non-orthogonal angles among axes of an accelerometer of an attitude measurement system (S1); compensating for original data of the accelerometer using a computed ellipsoid parameter (S2); calibrating an electronic compass by means of the ellipsoid fitting model according to the compensated accelerometer data (S3); compensating for original data of the electronic compass using the computed ellipsoid parameter (S4); and calculating an attitude according to the compensated accelerometer data and electronic compass data (S5). The calibration implemented by said steps of the method obtains a reliable result, achieves high precision, and consumes less time.

No. of Pages : 47 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/07/2017

(21) Application No.201717025720 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HYDRAULIC CONTROL VALVE ASSEMBLY OF AUTOMATIC STEERING SYSTEM FOR AGRICULTURAL MACHINERY

(51) International classification :F15B13/06
(31) Priority Document No :201510777223.3
(32) Priority Date :13/11/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/088315
Filing Date :04/07/2016
(87) International Publication No :WO 2017/080230
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DAI Wending
4)WANG Anbang
5)GAO Xiaohan
6)MAO Xunye
7)CHEN Kai

(57) Abstract :
Disclosed is a hydraulic control valve assembly of an automatic steering system for agricultural machinery comprising a proportional reversal valve (3). A balance valve (1) is provided between the proportional reversal valve (3) and a steering cylinder. A first shuttle valve (2) is provided between the proportional reversal valve (3) and the balance valve (1). The first shuttle valve (2) is on one side of the proportional reversal valve (3) and an overflow valve (4) is on the other side of the proportional reversal valve. The overflow valve (4) is connected to a second shuttle valve (6) and a logical valve (5) respectively. The hydraulic control valve assembly has a high control power and quick response better suits autonomously navigating operation of agricultural machinery and can enable the system to be more energy saving and the autonomously navigating operation of agricultural machinery to be more stable.

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2017

(21) Application No.201717035519 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : POWER SUPPLY SYSTEM

(51) International classification :H02M7/48,H05B6/04,H05B6/06
(31) Priority Document No :2016103511
(32) Priority Date :24/05/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/012935
Filing Date :29/03/2017
(87) International Publication No :WO 2017/203828
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)FUKUTANI Kazuhiko

(57) Abstract :
According to the present invention a pseudo resonance element (130) is arranged in series with an inductive load (180) so as to be closer to the inductive load (180) than an output end of an inverter unit (120) which is formed of a magnetic energy regeneration switch.

No. of Pages : 91 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/07/2017

(21) Application No.201717026478 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CATALYST SUPPORT GRID

(51) International classification :B01J8/00,B01J8/02,B01J8/04
(31) Priority Document No :14/627827
(32) Priority Date :20/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/018211
Filing Date :17/02/2016
(87) International Publication No :WO 2016/133984
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A support grid (100) for a chemical reactor fixed bed catalyst. The support grid (100) is formed of (i) a center support cylinder (10) made in areas of a vertical cylinder that is assembled within the vessel on the bottom closure head; (ii) a peripheral support skirt (30) located at the outer circumference of the grid assembled in sections inside the reactor pressure vessel that sets without welding to bottom closure head of the reactor vessel; (iii) a set of radial support arms (50) that extend from the center support structure (10) to the support skirt (30) to tie these sections into a rigid frame to support the catalyst bed support grid wedges; and (iv) a grid or disc (60) formed of a plurality of catalyst bed support grid wedges or sections (60a) that are radial in orientation and are assembled inside the reactor pressure vessel to form a disc that is about 80% of the reactor vessel in outside diameter.

No. of Pages : 14 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2017

(21) Application No.201717035795 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : VEHICLE DRIVING APPARATUS, VEHICLE DRIVING SYSTEM, AND METHOD FOR CONTROLLING VEHICLE DRIVING APPARATUS

(51) International classification	:H02P27/08,B60W10/08,B60W20/00
(31) Priority Document No	:2016144673
(32) Priority Date	:22/07/2016
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/076718 :09/09/2016
(87) International Publication No	:WO 2018/016090
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)MOTOKI Kazunori

(57) Abstract :
A control unit of this vehicle driving apparatus controls a driver so as to complementarily switch the control state between a first control state where a first switch is turned off and a second switch is PWM-controlled and a second control state where the first switch is PWM-controlled and the second switch is turned off, during a motor reverse-driving period for reversely driving a motor when a brake is applied to an internal combustion engine rotated in a forward direction.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2017

(21) Application No.201717035796 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : VEHICLE POWER SUPPLY APPARATUS VEHICLE POWER SUPPLY SYSTEM AND METHOD FOR CONTROLLING VEHICLE POWER SUPPLY APPARATUS

(51) International classification :B60L11/18,B60L11/14
(31) Priority Document No :2016144763
(32) Priority Date :22/07/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/076719
Filing Date :09/09/2016
(87) International Publication No :WO 2018/016091
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MOTOKI Kazunori

(57) Abstract :
This vehicle power supply system is provided with a control unit that controls turning on/off of a first switch and a second switch on the basis of the state of a second battery and controls the operation of an AC generator by driving the AC generator by a voltage supplied between a third power supply terminal and a third ground terminal. This control unit turns the second switch on and the first switch off when the state of the second battery is normal and turns the second switch off and the first switch on when the state of the second battery is abnormal.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2017

(21) Application No.201717035797 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HYBRID VEHICLE POWER SUPPLY APPARATUS HYBRID VEHICLE POWER SUPPLY SYSTEM AND METHOD FOR CONTROLLING HYBRID VEHICLE POWER SUPPLY APPARATUS

(51) International classification :B60W10/26,B60W20/13
(31) Priority Document No :2016144741
(32) Priority Date :22/07/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/076715
Filing Date :09/09/2016
(87) International Publication No :WO 2018/016087
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
This hybrid vehicle power supply system is provided with a control unit that is operated by a second battery voltage outputted from a second battery and that controls a motor generator and a load. When driving the motor generator the control unit drives an internal combustion engine by supplying an AC voltage obtained by converting a DC voltage of a first power supply terminal supplied from a first battery to the motor generator so as to drive the motor generator. On the other hand when generating electric power with the motor generator the control unit charges the first battery and the second battery by converting an AC voltage outputted from the motor generator that generates electric power through driving of the internal combustion engine into a DC voltage and supplying the DC voltage to the first power supply terminal.

No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2017
(21) Application No.201717035970 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND BIOREACTOR FOR PRODUCING A CULTURE OF MICROORGANISMS

(51) International classification :C12M1/42
(31) Priority Document No :PG2015A000016
(32) Priority Date :19/03/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/051542
Filing Date :18/03/2016
(87) International Publication No :WO 2016/147156
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LABRUZZO Pietro

(57) Abstract :
A bioreactor (1) is described of producing a culture of microorganisms (4) comprising at least one cylindrical container (2) and shaking and mixing means (11) to shake and mix said culture of microorganisms (4) contained in said container (2) said bioreactor (1) further comprising a source of sound waves (5) to irradiate said culture of microorganisms (4) with a sound wave (10). A method is further described of producing a culture of microorganisms (4) through a bioreactor (1) comprising the step of a) shaking and mixing said microorganisms (4) through said shaking and mixing means (11) and the step of b) irradiating said culture of microorganisms (4) with a sound wave (10). The bioreactor and method are characterized in that the frequency (f) of the sound wave (10) changes over time as a sawtooth function in a range comprised between 50 Hz and 8 kHz preferably between 100 Hz and 6 kHz.

No. of Pages : 12 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/02/2017

(21) Application No.201714004611 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AIR CONDITIONER

(51) International classification :B60R21/38
(31) Priority Document No :2016-169593
(32) Priority Date :31/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)Hiroyuki Toyoda
4)Hironobu Yamakawa
5)Hiroshi Maita
6)Kazuma Hosokawa
7)Kazumasa Yoshida

(57) Abstract :
To provide an air conditioner capable of stably blowing off air even under operation conditions in which ventilation resistance in a ventilation path is increased such as in a case where dust is accumulated on an air filter or a heat exchanger. An air conditioner including, in an indoor unit, a cross-flow fan that is formed by connecting a plurality of fan elements in an axial direction and a front nose that is arranged to extend along the axial direction of the cross-flow fan, wherein a facing surface of the front nose that faces the cross-flow fan has protruding portions on both ends of the cross-flow fan, a length of which in a circumferential direction of the cross-flow fan being longer than a length of a center of the cross-flow fan, and a width W of the protruding portions in the axial direction of the cross-flow fan is formed to satisfy $0.08 < W/D < 0.32$, wherein a diameter of the cross-flow fan is D.

No. of Pages : 45 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2017

(21) Application No.201717038560 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : EVAPORATOR EVAPORATION COATING APPARATUS AND EVAPORATION COATING METHOD

(51) International classification :C23C14/26
(31) Priority Document No :201610605160.8
(32) Priority Date :27/07/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/079293
Filing Date :01/04/2017
(87) International Publication No :WO 2018/018926
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
An evaporator (10) an evaporation coating apparatus and a method of evaporation coating are provided. The evaporator (10) comprises at least one feeding member (11) and a heating member (12). Each feeding member (11) is configured to transfer a source material in a transfer speed that is adjustable and the heating member (12) is configured to heat the source material transferred by the feeding member (11) for evaporation to thereby generate a source material vapor. Besides the evaporator (10) the evaporation coating apparatus further includes a coating chamber (43) an object holder (41) and a controller configured to control the transfer speed wherein the evaporator (10) and the object holder (41) are both disposed inside the coating chamber (43) the object holder (41) is configured to provide a platform for placing an object to be coated thereon and the coating chamber (43) is configured to provide an environment for the source material vapor vented out from the evaporator (10) to attach to the object to thereby form a film of the source material onto the object.

No. of Pages : 26 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2017

(21) Application No.201717038562 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PIXEL ARRANGEMENT STRUCTURE, DISPLAY SUBSTRATE, DISPLAY APPARATUS AND METHOD OF FABRICATION THEREOF

(51) International classification :H01L27/32,C23C14/04
(31) Priority Document No :201610585894.4
(32) Priority Date :22/07/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/075957
Filing Date :08/03/2017
(87) International Publication No :WO 2018/014562
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)HUANGFU Lujiang
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(57) Abstract :
A pixel arrangement structure for a display device is provided. The pixel arrangement structure may comprise a first pixel (10A) and a second pixel (10B). The first pixel (10A) and the second pixel (10B) are alternately in a row direction and a column direction. The first pixel (10A) and the second pixel (10B) each comprise a first sub pixel (11) a second sub pixel (12) and a third sub pixel (13). The first sub pixel (11) the second sub pixel (12) and the third sub pixel (13) in the first pixel (10A) form a triangular distribution. The first sub pixel (11) the second sub pixel (12) and the third sub pixel (13) in the second pixel (10B) form an inverted triangular distribution relative to the triangular distribution in the first pixel (10A). The second sub pixel (12) and the third sub pixel (13) in each of the first pixel (10A) and the second pixel (10B) are located on substantially the same row.

No. of Pages : 16 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2017

(21) Application No.201717038564 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FINGERPRINT RECOGNITION SUBSTRATE AND METHOD FOR FABRICATION THEREOF AND DISPLAY PANEL AND DISPLAY DEVICE

(51) International classification	:G06K9/00,H01L21/70,H01L27/12
(31) Priority Document No	:201610509585.9
(32) Priority Date	:30/06/2016
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2017/079285 :01/04/2017
(87) International Publication No	:WO 2018/000880
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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8)WANG Pengpeng
9)LIU Wei
10)CAO Xueyou
11)JIA Yanan
12)ZHAO Lijun
13)LI Changfeng
14)XU Rui
15)GUO Yuzhen

(57) Abstract :
Provided are a fingerprint recognition substrate and method for fabrication thereof and a display panel and display device. A fingerprint recognition substrate (10) comprises a base substrate (1) and a plurality of fingerprint recognition units (11) formed on the base substrate (1). Each fingerprint recognition unit (11) comprises a photosensitive electrode (2) and thin film transistor (4) located on the base substrate (1). The photosensitive electrode (2) is located between the base substrate (1) and the thin film transistor (4). The photosensitive electrode (2) is electrically connected to the source electrode (S) or drain electrode (D) of the thin film transistor (4). Thus the display performance and the performance of the fingerprint recognition unit (11) are improved.

No. of Pages : 13 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2017

(21) Application No.201717029331 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ABSORBENT ARTICLE WITH LEG CUFFS

(51) International classification	:A61F13/494,A61F13/532,A61F13/537
(31) Priority Document No	:15/074453
(32) Priority Date	:18/03/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/028611 :21/04/2016
(87) International Publication No	:WO 2017/160323
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)SURUSHE Abhishek Prakash
3)MARTYNUS Cornelia Beate
4)ROE Donald Carroll
5)BIANCHI Ernesto Gabriel
6)EHRNSPERGER Bruno Johannes

(57) Abstract :
A disposable absorbent article may include a chassis that includes a topsheet a backsheet and an absorbent core disposed between the topsheet and the backsheet; and a leg gasketing system. The leg gasketing system may include an inner cuff and an outer cuff; the inner cuff may include an inner cuff folded edge and an inner cuff material edge and the outer cuff may include an outer cuff folded edge and an outer cuff material edge such that the web of material is folded laterally inward to form the outer cuff folded edge and folded laterally outward to form the inner cuff folded edge. The disposable absorbent article also includes at least one channel in the absorbent core.

No. of Pages : 85 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/10/2017

(21) Application No.201717038297 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD OF FABRICATING A LIGHT EXTRACTION LAYER LIGHT EMITTING DIODE DISPLAY APPARATUS AND LIGHT EMITTING DIODE DISPLAY SUBSTRATE

(51) International classification :H01L51/56,H01L51/52
(31) Priority Document No :201610365849.8
(32) Priority Date :27/05/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/075089
Filing Date :28/02/2017
(87) International Publication No :WO 2017/202096
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)YANG Jiuxia
2)XU Wenyan

(57) Abstract :
A method of fabricating a light extraction layer (2) having a corrugated surface which includes forming a transparent optical material layer using a transparent optical material and forming a plurality of convex portions (2a) on a surface of the transparent optical material layer using a molding plate having a plurality of concave portions on a surface of the molding plate. The plurality of convex portions are respectively substantially complementary to the plurality of concave portions.

No. of Pages : 22 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/10/2017

(21) Application No.201717038298 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AUTOMATIC DRIVE CONTROL SYSTEM AND METHOD AND VEHICLE

(51) International classification	:B60W30/16,B60W30/09,B60W50/14
(31) Priority Document No	:201610438627.4
(32) Priority Date	:17/06/2016
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2017/075087 :28/02/2017
(87) International Publication No	:WO 2017/215288
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)ZHANG Bo
2)LI Wenbo
3)WANG Hongli

(57) Abstract :
A vehicle mounted automatic drive control system comprises at least one sensor a controller and a drive control feedback portion. The at least one sensor is coupled to the controller. The drive control feedback portion is coupled to the controller. The at least one sensor is configured to detect at least one object in an environment of the first vehicle and to send a detection result to the controller. The controller is configured to transmit a control signal to the drive control feedback portion if the detection result satisfies a preset condition. The drive control feedback portion is configured upon receiving the control signal from the controller to perform an operation such that the first vehicle can adjust a first driving status thereof.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/10/2017

(21) Application No.201717038299 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HAPTIC COMMUNICATION APPARATUS INTEGRATED TOUCH SENSING AND SIMULATING APPARATUS AND METHOD FOR HAPTIC COMMUNICATION

(51) International classification :G06F3/01
(31) Priority Document No :201610326129.0
(32) Priority Date :17/05/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/076426
Filing Date :13/03/2017
(87) International Publication No :WO 2017/197967
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GENG Lihua
2)WANG Yongbo

(57) Abstract :
The present application discloses a haptic communication apparatus including a touch simulation device comprising a first controller and a first actuator coupled to each other; and a data receiver communicatively coupled to the touch simulation device and configured to receive a first touch command signal associated with simulating a touch on the touch simulation device. The first controller is configured to receive the first touch command signal from the data receiver and control the first actuator to simulate the touch on the touch simulation device in response to the first touch command signal; the first actuator comprises a plurality of touch simulating elements; the first controller is coupled to each of the plurality of touch simulating elements and configured to provide a plurality of touch simulating signals respectively to the plurality of touch simulating elements.

No. of Pages : 35 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/10/2017

(21) Application No.201717038301 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ACQUISITION DEVICE RECOGNITION DEVICE VEHICLE IDENTIFICATION SYSTEM AND METHOD

(51) International classification :G08G1/017
(31) Priority Document No :201610440235.1
(32) Priority Date :17/06/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/077274
Filing Date :20/03/2017
(87) International Publication No :WO 2017/215301
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GAO Jian

(57) Abstract :
This present disclosure provides a vehicle identification system comprising an acquisition device (500) and a recognition device (600). The acquisition device (500) is mounted on a first vehicle and comprises an acquisition circuit (510) and an optical signal transmitting circuit (520) wherein the acquisition circuit (510) is configured to obtain identification information of the first vehicle; and the optical signal transmitting circuit (520) is configured to generate and transmit a first optical signal corresponding to the identification information of the first vehicle. The recognition device (600) comprises an optical signal receiving circuit (610) and a recognition circuit (620) wherein the optical signal receiving circuit (610) is configured to receive a first optical signal emitted from the first vehicle and the recognition circuit (620) is configured to determine the identification information of the first vehicle based on the first optical signal. This present disclosure further provides a vehicle identification method which comprises: transmitting a first optical signal corresponding to identification information of a first vehicle; and determining the identification information of the first vehicle based on the first optical signal.

No. of Pages : 47 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/07/2016

(21) Application No.201617023318 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PRODUCING A COVERING ELEMENT MADE FROM FIBRES IMPREGNATED WITH BITUMEN HAVING IMPROVED FIRE PROPERTIES AND COMPOSITION

(51) International classification :D06N5/00,E04D3/34,E04D5/02
(31) Priority Document No :14 00213
(32) Priority Date :28/01/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/050159
Filing Date :22/01/2015
(87) International Publication No :WO 2015/114239
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TOKDEMIR Eyup
2)SAKIOGLU Ethem
3)

(57) Abstract :
The invention concerns a method for producing a covering element made from natural fibres in particular cellulose impregnated with bitumen comprising a step of coating at least one of two faces of a fibre mat (4) followed by a step of impregnating with bitumen the coating being carried out with a liquid composition (5) comprising at least one resin and/or at least one pigment. The liquid composition is a dye composition comprising at least one pigment and at least one resin and the method involves adding an additive to the liquid composition (5) said additive having fireproof properties and comprising at least graphite and a cooling agent. Preferably the mat (4) is coated with the liquid composition comprising the fireproof additive using a roller.

No. of Pages : 8 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/06/2017

(21) Application No.201714020159 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HANDHELD OPHTHALMIC PROBE WITH PERISTALTIC PUMP AND ASSOCIATED DEVICES, SYSTEMS, AND METHODS

(51) International classification :A61B8/08
(31) Priority Document No :62/381455
(32) Priority Date :30/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Ochoa, Francisco Javier

(57) Abstract :
Systems, apparatuses, and methods of and for an ophthalmic surgical system are disclosed. An ophthalmic surgical system may include a handheld probe. The probe may include a housing sized and shaped for grasping by a user. The probe may include a tip extending from the housing and being sized to penetrate and treat an eye of a patient. The tip may include an aspiration lumen arranged to carry fluid away from the eye. The probe may include a peristaltic pump disposed within the housing. The pump may include a roller in contact with a deformable conduit in fluid communication with the aspiration lumen. The roller may be arranged to deform the conduit while in contact therewith. The pump may also include a roller driver in contact with a periphery of the roller in a manner that moves the roller along the conduit to urge the fluid through the conduit.

No. of Pages : 42 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2017

(21) Application No.201717022443 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : EARTH BORING TOOLS WITH PRECISE CUTTER POCKET LOCATION AND ORIENTATION AND RELATED METHODS

(51) International classification :E21B10/42,E21B10/43,E21B10/62
(31) Priority Document No :14/564415
(32) Priority Date :09/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/064603
Filing Date :09/12/2015
(87) International Publication No :WO 2016/094468
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)EVANS Kenneth R.
3)GIBBS Kenneth A.
4)MASSEY Alan J.
5)OXFORD James Andy

(57) Abstract :
A method of forming an earth boring tool includes forming a tool body including at least one inverted cutting element pocket at least a portion of the at least one inverted cutting element pocket having a profile substantially matching a profile of an actual cutting element to be secured within a cutting element pocket to be formed by subsequently machining the at least one inverted cutting element pocket. Hardfacing material may be applied to portions of the tool body. The actual cutting element pocket is formed by removing material of the tool body within the at least one inverted cutting element pocket subsequent to applying the hardfacing material to portions of the tool body. A cutting element is affixed within the actual cutting element pocket.

No. of Pages : 16 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040158 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR THE DIRECT SYNTHESIS OF CU CONTAINING SILICOALUMINATE MATERIAL WITH THE AEI ZEOLITE STRUCTURE AND THE CATALYTIC APPLICATIONS THEREOF

(51) International classification :C01B39/02,B01J29/70,B01J29/72
(31) Priority Document No :P 201530513
(32) Priority Date :16/04/2015
(33) Name of priority country :Spain
(86) International Application No :PCT/EP2016/058278
Filing Date :14/04/2016
(87) International Publication No :WO 2016/166247
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CORMA CANS Avelino
2)MOLINER MAR • N Manuel
3)MART • N GARC • A Nuria

(57) Abstract :
The main object of the present invention is to provide a new method for preparing the copper-containing silicoalu mmate form of the AEI zeolite structure by means of a direct synthesis methodology. This new process involves combining a or - ganometallic copper-complex with an additional organic molecule capable of directing the crystallisation of the silicoaluminate form of the AEI zeolite structure as organic structure-directing agents (OSDAs).

No. of Pages : 15 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/10/2017
(21) Application No.201717034955 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : VEHICLE SEAT DEVICE

(51) International classification :B60N2/08,A47C1/024,B60N2/06
(31) Priority Document No :2015080971
(32) Priority Date :10/04/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/060414
Filing Date :30/03/2016
(87) International Publication No :WO 2016/163286
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KOJIMA Yasuhiro
2)NIHONMATSU Hideo
3)MORITA Koichi

(57) Abstract :
This vehicle seat device is equipped with: a first movable member which moves back and forth integrally with a seat; a first engagement member which engages and disengages with the first movable member on the basis of the front back movement of the seat; a second engagement member which operates integrally with the seat back of the seat; a second movable member which is capable of moving forward and backward with respect to the movement locus of the second engagement member; and an interlocking mechanism which interlocks the first movable member and the second movable member. The first movable member is configured so as to move to a first engagement/disengagement position when the seat is in a backward movement region and to move to a second engagement/disengagement position when the seat is in a forward movement region. The second movable member is configured so as to enter the movement locus of the second engagement member to limit the range of the backward inclining operation of the seat back. The interlocking mechanism is configured so as to allow the second movable member to enter the movement locus of the second engagement member when the seat is in the backward movement region.

No. of Pages : 43 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042537 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEVICE FOR SALVAGING RO WATER FILTER WASTE WATER

(51) International classification :B01D61/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SG2015/000124
Filing Date :30/04/2015
(87) International Publication No :WO 2016/175703
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A Device which can salvage the waste water from Reverse Osmosis Water Filter up to 100%, in others words, Zero Waste, without using electricity and electrical pump, and regardless of whether hot water pipeline and hot water tank are available. It channels the waste water into the cold water pipeline. This Device can be utilized in new Reverse Osmosis Water Filters and existing Reverse Osmosis Water Filter units. This Device consists of two components, a water tank and a special gadget. The special gadget is installed inside the water tank and is not exposed to external view. The water tank can be of various sizes to suit usage requirement. The Device is connected to the outlet of the said waste water outlet, the pipeline Inflow and the outflow to the faucet. The water tank is for receiving and storing the waste water and the special gadget is for salvaging and channelling the waste water to the faucet outlet, when the faucet is turned on, thereby salvaging the waste water.

No. of Pages : 9 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042553 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AIR COOLER COOLING SYSTEM THEREOF AND TEMPERATURE REGULATING AND BALANCING METHOD FOR CT SCANNING MACHINE

(51) International classification :F24F1/02,F24F13/22,A61B6/03
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2015/077705
Filing Date :28/04/2015
(87) International Publication No :WO 2016/172859
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)YANG Hua

(57) Abstract :
Disclosed are an air cooler a cooling system thereof and a temperature regulating and balancing method for a CT scanning machine. The air cooler includes a condenser (4); a plurality of negative pressure fans (6) are provided in an array on the back side of the condenser (4); a condensed water tank (7) is arranged below the condenser (4); a water pump (8) is provided in the condensed water tank (7); a porous spraying pipe (14) is provided at the upper end of the condenser (4); and the porous spraying pipe (14) is connected to the water pump (8) through a pipeline. The cooling system comprises a CT scanning machine (101) an auxiliary air cooler (B) and a main air cooler (A) in parallel a receiving controller (107) a transmitting processor (108) a bulb tube temperature sensor (109) a condenser temperature sensor (110) a detector temperature sensor (114) and a displacement sensor (111). A cold air outlet (11) of the auxiliary air cooler (B) is connected to the main air cooler (A) through a connector (118) and is connected in parallel to a cold air outlet (11) of the main air cooler (A) and the cold air outlet of the auxiliary air cooler and the cold air outlet of the main air cooler are jointly in communication with an air inlet (105) of a rack through a cold air pipeline (113). According to the invention no condensed water is stored in the air coolers so that the energy efficiency of refrigeration is improved; the cooling system directly cools a CT scanning rack so that air temperatures of the CT bulb tube and a detector assembly in the scanning rack are reduced.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017
(21) Application No.201717042554 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SCREW PROPELLER WITH SAFETY COUPLING

(51) International classification :B63H1/14,B63H23/34
(31) Priority Document No :2015120245
(32) Priority Date :28/05/2015
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2016/000322
Filing Date :27/05/2016
(87) International Publication No :WO 2016/190784
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
The present device relates to boatbuilding and more particularly to screw propellers with safety couplings intended for use in outboard motors and/or marine screw propellers. A screw propeller with a safety coupling comprises a screw propeller body cum hub a drive coupling a driven coupling and a dowel pin. The driven coupling is disposed for rotation on a spacer bushing said spacer bushing being a tail bushing of the driving coupling. The driven coupling is partially or completely disposed in an opening in the screw propeller body cum hub and transmits torque to the screw propeller body cum hub by means of a longitudinal dowel pin and/or longitudinal grooves and a spline coupling. A common opening for the dowel pin in the driving and/or the driven coupling is configured as a through opening and/or the blind end of the opening for the dowel pin is connected by a transverse opening to the outside surface of the coupling; between a stopping nut on the end of the propeller shaft and the propeller body cum hub and/or the coupling there is disposed a bushing washer which is secured against turning and/or rotation relative to the propeller shaft.

No. of Pages : 10 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042578 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND BETA2 ADRENERGIC RECEPTOR AGONIST ACTIVITY

(51) International classification	:C07D453/02,A61K31/4709,A61P11/00
(31) Priority Document No	:15170033.3
(32) Priority Date	:01/06/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/062226 :31/05/2016
(87) International Publication No	:WO 2016/193241
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)RANCATI Fabio
3)RIZZI Andrea
4)LINNEY Ian
5)SCHMIDT Wolfgang
6)BARNES Michael
7)KNIGHT Chris

(57) Abstract :
The present invention relates to compounds acting both as muscarinic receptor antagonists and beta2 adrenergic receptor agonists, to processes for their preparation, to compositions comprising them, to therapeutic uses and combinations with other pharmaceutical active ingredients.

No. of Pages : 161 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042579 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AMINOESTER DERIVATIVES

(51) International classification :C07D409/14,A61K31/44,A61P11/00
(31) Priority Document No :15170041.6
(32) Priority Date :01/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062229
Filing Date :31/05/2016
(87) International Publication No :WO 2016/193244
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)BLACKABY Wesley
4)VAN DE PEL Herv
5)BAKER GLENN Charles
6)TRIVEDI Naimisha

(57) Abstract :
The invention relates to novel compounds which are both phosphodiesterase 4 (PDE4) enzymeinhibitorsand muscarinic M3 receptor antagonists methods of preparing such compounds compositions containing them and therapeutic use thereof.

No. of Pages : 171 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042581 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEVICE FOR DETECTING WATER LEAKS IN PIPELINES AND LEAK DETECTION METHOD

(51) International classification :G01M3/00,G01M3/24
(31) Priority Document No :P201530574
(32) Priority Date :28/04/2015
(33) Name of priority country :Spain
(86) International Application No :PCT/ES2016/070157
Filing Date :11/03/2016
(87) International Publication No :WO 2016/174284
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)RAMIREZ GARCIA Agustin

(57) Abstract :
The invention relates to a device in the form of a small sphere that has neutral buoyancy inside which at least one hydrophone (2) is provided and connected to a signal processor (9) which stores information in a memory card (10) and is powered by at least one battery (11). The signal processor (9) comprises a clock module (12) allowing the elapsed travel time to be associated in the memory (10) with each audio signal received by the hydrophone (2) such that based on the travel time it is possible to establish the exact position of anomalies or detected leaks. The device further comprises a series of regularly spaced external synchronisers which are used to offset the position error that can accumulate in the device. The resulting device is simple cheap solid durable and extremely effective.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042585 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MIXING AND DISPENSING GUN

(51) International classification :A61B17/88
(31) Priority Document No :15506728
(32) Priority Date :25/05/2015
(33) Name of priority country :Sweden
(86) International Application No :PCT/EP2016/061845
Filing Date :25/05/2016
(87) International Publication No :WO 2016/189057
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DRENNOW Sten

(57) Abstract :
A device for mixing and dispensing a paste such as bone cement comprises a housing (H) with a feeding mechanism (53) and a cylinder (51) for mixing a powder component and a liquid component forming the paste. A piston assembly includes a paste feeding member (57) located in the cylinder and a tubular member (54). A mixing member (55) is located in the cylinder (51) and a mixing rod (52) extends within the tubular member (54) of the piston assembly. The mixing rod (52) is movable in the tubular member (54) of the piston assembly. The tubular member (54) is provided with external engagement means (T) by which the paste feeding member (57) is movable within the cylinder (51) in a feeding direction. The feeding movement is operated by the feeding mechanism.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/07/2017

(21) Application No.201717026580 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ENCAPSULATION OF HIGH POTENCY ACTIVE AGENTS

(51) International classification :A01N25/28,A01N47/36,A01N43/653
(31) Priority Document No :1501793.2
(32) Priority Date :03/02/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/050254
Filing Date :03/02/2016
(87) International Publication No :WO 2016/124927
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ABREY Alexander John
2)

(57) Abstract :
There is described a composition comprising a microparticle component and a highly potent active agent encapsulated in the microparticle.

No. of Pages : 40 No. of Claims : 117

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/07/2017

(21) Application No.201717026614 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : INFORMATION PROVIDING METHOD AND SYSTEM FOR ON DEMAND SERVICE

(51) International classification :G06Q50/30
(31) Priority Document No :201510039939.3
(32) Priority Date :27/01/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/072357
Filing Date :27/01/2016
(87) International Publication No :WO 2016/119704
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CHEN Ye
2)ZHUO Chengxiang
3)WU Zhaoxue
4)XU Ming
5)QIN Kaijie
6)ZHANG Yajie
7)LU Haiyang
8)GUO Dong
9)YU Peng
10)LU Yanjun
11)BAO Wenyi

(57) Abstract :
An information providing method for an on demand service comprises: receiving service request information from a passenger of a passenger end device (120) the service request information comprising a start location of the passenger; acquiring history service request information related to the passenger; and determining travel path related information at least partially based on the start location of the passenger and the history service request information. Also disclosed is a system (105) for implementing the method.

No. of Pages : 89 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043040 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COMPOSITIONS AND METHODS FOR INHIBITING BACTERIAL GROWTH

(51) International classification	:A61K31/40,A61K31/417,A61P31/06
(31) Priority Document No	:62/156733
(32) Priority Date	:04/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/030689 :04/05/2016
(87) International Publication No	:WO 2016/179231
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ABRAMOVITCH Robert
2)JOHNSON Benjamin K.
3)COLVIN Christopher J.

(57) Abstract :
The present disclosure provides, among other things, compositions and methods useful for inhibiting bacteria, such as Mycobacterium tuberculosis. These compositions and methods find many uses in medicine and research, e.g., treating subjects afflicted with active or latent bacterial infections. The compositions described herein are also useful for decontaminating surfaces (e.g., surgical tools or implants).

No. of Pages : 123 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043060 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : LINEAR ACTUATOR WITH A PISTON BYPASS IN A PREDETERMINED PISTON POSITION

(51) International classification :F15B15/14,F15B15/20
(31) Priority Document No :62/160364
(32) Priority Date :12/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/052754
Filing Date :12/05/2016
(87) International Publication No :WO 2016/181350
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)IVERSON Bjrn
2)JOHNSEN Steffen
3)HLL Kent

(57) Abstract :
A position dependent valve device (10) for a control cylinder (12) includes at least one channel (24) formed in one of a wall of a cylinder housing (14) of the control cylinder (12) and a wall of a internal piston (20) disposed in the cylinder housing (14) and a seal (26) including a flexible member adapted to be disposed in a groove in the other one of the wall of the cylinder housing (14) and the wall of the piston (20), the seal (26) cooperating with the at least one channel (24) when the piston (20) is in a defined position to allow airflow past the piston (20) and cooperating with one of the cylinder housing (14) and the piston (20) when the piston (20) is in a position outside the defined position to prevent airflow past the piston (20).

No. of Pages : 11 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043062 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PRODUCT RECOGNITION IN AEROSOL GENERATING DEVICES

(51) International classification :A24F47/00
(31) Priority Document No :15171975.4
(32) Priority Date :12/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2016/053407
Filing Date :09/06/2016
(87) International Publication No :WO 2016/199066
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BATISTA Rui
2)MAEDER Serge

(57) Abstract :
A system includes a container housing an aerosol generating substrate and a product identifying compound associated with the container. The system further includes an electronic article configured to receive the container. The electronic article includes a sensor configured to detect the product identifying compound.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043064 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVED STEREOLITHOGRAPHY SYSTEM

(51) International classification :G03F7/00,B33Y30/00,B82Y30/00
(31) Priority Document No :62/155246
(32) Priority Date :30/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/050299
Filing Date :17/03/2016
(87) International Publication No :WO 2016/172788
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CASTANON Diego

(57) Abstract :
ABSTRACT OF THE DISCLOSURE A stereolithography system comprises an emitting device and a tank disposed above the emitting device. The tank has an optically transparent bottom wall. There is a linear stage that extends away from the tank and a carrier platform is moveable along the linear stage away from the tank. There is also a wettable material at a bottom wall of the tank within the tank. The wettable material may be coated on the optically transparent bottom wall of the tank or the wettable material may overlay the optically transparent bottom wall of the tank.

No. of Pages : 20 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042614 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SAFETY VALVE LEAK ANALYSIS SYSTEM

(51) International classification :F16K37/00
(31) Priority Document No :1510797.2
(32) Priority Date :19/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051840
Filing Date :20/06/2016
(87) International Publication No :WO 2016/203273
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SEETRU LIMITED
Address of Applicant :Albion Dockside Works Hanover Place Bristol Bristol BS1 6UT U.K.
(72)**Name of Inventor :**
1)VARGA Andrew Philip

(57) Abstract :
A safety valve analysis system comprises: a plurality of sensors, including a displacement sensor (12) arranged to measure displacement of a valve member, an acoustic sensor (13) arranged to measure noise from within a valve body and a pressure sensor (11) arranged to measure fluid pressure at a valve inlet (4); data acquisition means (15) arranged to receive signals from the sensors and generate corresponding valve data; and processing means arranged to generate an output indicative of the condition of the safety valve based on the valve data.

No. of Pages : 14 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042619 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR CONTROLLING THE POSITION OF A GEARBOX ACTUATOR

(51) International classification :F16H61/04,B60K6/48
(31) Priority Document No :1556429
(32) Priority Date :07/07/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051438
Filing Date :15/06/2016
(87) International Publication No :WO 2017/006005
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)NISSAN MOTOR CO. LTD
(72)**Name of Inventor :**
1)MERIENNE Ludovic

(57) Abstract :
The invention relates to a method for controlling the position of a gearbox actuator in charge of engaging a ratio at the end of a preliminary phase of synchronizing two shafts of the gearbox via a torque driven traction machine to bring the speed difference of the two shafts within a range enabling the mechanical coupling thereof. The invention is characterized in that it is ensured that the speed measured on one of the two shafts converges with a speed observed as a function of the inertia value observed on this shaft relative to the value expected as a function of the gearbox actuator and of an estimation of the machine torque.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017
(21) Application No.201717042620 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND DEVICE FOR FORMING A CUT OUT

(51) International classification :B27F5/12,B27F5/02
(31) Priority Document No :10 2015 213 585.3
(32) Priority Date :20/07/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/067150
Filing Date :19/07/2016
(87) International Publication No :WO 2017/013104
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PETRAK Axel

(57) Abstract :
The invention relates to a method for forming an elongate cut out (2) which has a varying transverse dimension in the longitudinal direction in a work piece (1) which is preferably composed of wood wood materials plastic or the like at least in some segments wherein the method comprises plunging a machining device into the work piece (I) which machining device has an adjustable machining diameter; moving the machining device and the work piece in relation to each other (II); adjusting the machining diameter of the machining device (III); and removing the machining device from the work piece (IV).

No. of Pages : 10 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042625 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SILK BASED MOISTURIZER COMPOSITIONS AND METHODS THEREOF

(51) International classification :A61K8/64,A61K8/06,A61Q19/00
(31) Priority Document No :62/154581
(32) Priority Date :29/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030232
Filing Date :29/04/2016
(87) International Publication No :WO 2016/176633
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)HAAS Dylan S.
3)HEALY Kevin T.

(57) Abstract :
In an embodiment, a moisturizing composition includes a silk solution, wherein the silk solution comprises about 1% to about 10% (w/v) of pure silk fibroin-based protein fragments that are substantially devoid of sericin; hyaluronic acid; an oil or butter; and a pH adjusting agent.

No. of Pages : 200 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042632 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ANTI NTB A ANTIBODIES AND RELATED COMPOSITIONS AND METHODS

(51) International classification :A61K39/395,A61P35/00,C07K16/28
(31) Priority Document No :62/186596
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/040307
Filing Date :30/06/2016
(87) International Publication No :WO 2017/004330
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LEWIS Timothy
2)WESTENDORF Lori
3)SUSSMAN Django
4)LAW Che Leung

(57) Abstract :
Disclosed are antibodies, including antibody drug conjugates, that specifically bind to NTB-A. Also disclosed are methods for using the anti-NTB-A antibodies to detect or modulate activity of (e.g., inhibit proliferation of) an NTB-A-expressing cell, as well as for diagnoses or treatment of diseases or disorders (e.g., cancer) associated with NTB-A-expressing cells, such as multiple myeloma, non-Hodgkin lymphoma and acute myeloid leukemia.

No. of Pages : 65 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042633 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : POST-BATCHING CMA DOSING INTO CONCRETE

(51) International classification :C04B40/00,B28C7/00,B28C7/02
(31) Priority Document No :62/170951
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035221
Filing Date :01/06/2016
(87) International Publication No :WO 2016/196599
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TREGGER Nathan A.
2)ROBERTS Mark F.
3)HAZRATI Kati

(57) Abstract :
The present invention relates to mitigating the deleterious effect of clays, which are born or conveyed by sand aggregates, crushed rock, gravel, and other aggregates used in the manufacture of concrete, upon the dosage efficiency of cement dispersants or other admixtures which are added into concrete. Instead of introducing the entire cement mitigation agent (CMA) into the aggregate material at a quarry or upon batching in the mix plant in a singular, upfront dose, the present invention comprises combining at least 51% and up to 100%, and, most preferably, at least 75% and up to 100%, of the total dosage amount of the CMAs into a given concrete mix batch during the transit portion of the delivery between initial batching at the mix plant and the pour event at the job site.

No. of Pages : 26 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042586 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : JEWELRY CUSTOMIZATION SYSTEM

(51) International classification :G06Q30/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/028740
Filing Date :01/05/2015
(87) International Publication No :WO 2016/178647
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MORDOVSKOI Yuri
2)NALBANDIAN Armen

(57) Abstract :
A personalized jewelry customization system that displays ready made smart jewelry element models from a library to a customer to construct a final jewelry model that is easy to use. The system has one or more than one processor a storage for storing executable instructions. The instructions provide a user interface displayable on a computing device a library of smart jewelry element models a database for storing customer and selection information and for automatically generated manufacturing instructions for the personalized jewelry and complementary jewelry based on the stored customer information and selection information. The user interface displayed on a computing device accepts jewelry customization instructions from the customer to combine smart jewelry element models together to create the final jewelry model that is stored in the database.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017
(21) Application No.201717042587 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PROCESSING AN ORIGINAL GLOBAL STREAM INCLUDING AT LEAST ONE PHYSICAL LAYER TUNNEL ENCAPSULATING A TRANSPORT STREAM

(51) International classification :H04H20/10,H04H20/67
(31) Priority Document No :1554936
(32) Priority Date :01/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/062295
Filing Date :31/05/2016
(87) International Publication No :WO 2016/193269
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LHERMITTE Richard

(57) Abstract :
The invention relates to a method for processing an original total stream delivering a modified total stream, said original total stream being sent out by a head-end and addressed to a plurality of broadcasting sites, and comprising at least one physical layer pipe encapsulating a transport stream:According to the invention, the method implements the following steps: - receiving (11) said original total stream, - for at least one physical layer pipe of the original total stream, called an original pipe : - extracting (12) the transport stream encapsulated in said original pipe, called an original transport stream, - obtaining (13) a modified transport stream obtained by replacing at least one main content carried by said original transport stream by at least one secondary content, - time-shifting (14) said original total stream, - aligning (15) said modified transport stream with said original total stream obtained after time shift, and - replacing (16), in the original pipe, said original transport stream by said modified transport stream.

No. of Pages : 14 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042588 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AUTOMOBILE PERIPHERY INFORMATION DISPLAY SYSTEM

(51) International classification :G08G1/16,B60R21/00,G08G1/09
(31) Priority Document No :2015102831
(32) Priority Date :20/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/064331
Filing Date :13/05/2016
(87) International Publication No :WO 2016/186039
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TAYAMA Shuichi

(57) Abstract :
Provided is an automobile periphery information display system with which real conditions in the periphery of an automobile can be displayed superposed on a map. This automobile periphery information display system (1) detects conditions around an automobile by means of a sensor device (3). A car navigation device (2) identifies the current position and the direction of advance of the automobile and reads from a map database (2A) map data for a peripheral region that includes the current position. An object determination unit (7) detects the existence of a detection object from the sensor information detected by the sensor device (3) and determines the type of detection object. From this sensor information a position detection unit (8) determines position information for the detection object with the automobile as a reference. An image generation unit (9) generates a map image wherein an icon corresponding to the detection object is superposed at the position in the map data indicated by the position information associated with the detection object detected by the object determination unit (7). A display device (5) displays this map image.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/07/2017

(21) Application No.201717027039 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CAMERA DEVICE AND TERMINAL HAVING SAID CAMERA DEVICE

(51) International classification :H04N5/225
(31) Priority Document No :201510382937.4
(32) Priority Date :30/06/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/082579
Filing Date :19/05/2016
(87) International Publication No :WO 2017/000697
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)WEI Yi

(57) Abstract :
Disclosed is a camera device comprising a sleeve a mounting cylinder used for mounting a camera a support member a flexible member a rotating ring and a drive motor; the sleeve is provided with a position limiting flange; the outer peripheral surface of the mounting cylinder is provided with a ring shaped flange and the central axes of the mounting cylinder and the rotating ring form an angle such that the mounting cylinder is arranged obliquely with respect to the rotating ring; there are multiple flexible members which are arranged along the ring shaped flange; the drive motor is drivingly connected to the rotating ring to drive the rotating ring in rotation; a protruding member is disposed on the rotating ring and rotates along with the rotating ring; the protruding member abuts against the ring shaped flange.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/10/2017

(21) Application No.201717036746 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PREPARING PRINTED CIRCUIT BOARD OF ULTRA THIN METAL LAYER

(51) International classification :H05K3/38,H05K3/16,H05K3/18
(31) Priority Document No :2016103168751
(32) Priority Date :13/05/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/092378
Filing Date :29/07/2016
(87) International Publication No:WO 2017/193487
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MENG Yuedong
2)FANG Futang
3)CHANG Peng

(57) Abstract :
Provided is a method for preparing a printed circuit board of an ultra thin metal layer. The method utilizes an alkaline fatty amine gas together with nitrogen bubbled through a copper sulfate solution to perform capacitively coupled discharging in a vacuum to generate a low temperature plasma; surface treatments of etching and active group grafting are performed on an epoxy resin board coated with a polyimide film and a glass fiber fabric so as to increase surface roughness and chemical activity of the epoxy resin board; sputtering deposition or chemical copper plating is directly performed; and electroplating is performed to thicken a copper film to a required thickness. The method does not require an adhesive and has high peel strength and can be used to realize the fabrication of a flexible printed circuit board rigid printed circuit board multi layer board and rigid flex board of an ultra thin metal layer.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043607 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : LOW MOLECULAR WEIGHT DERIVATIVES OF CARBOXAMIDE HALOGENATED PORPHYRINS NAMELY CHLORINS AND BACTERIOCHLORINS AND THEIR APPLICATIONS THEREOF

(51) International classification :C07D487/22,A61K31/409,A61P35/00
(31) Priority Document No :108447
(32) Priority Date :07/05/2015
(33) Name of priority country :Portugal
(86) International Application No :PCT/IB2016/052606
Filing Date :06/05/2016
(87) International Publication No :WO 2016/178191
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)PEREIRA MONTEIRO Carlos Jorge
4)REIS DE ABREU Artur Carlos
5)FERRAZ CARDOSO SOARES Hlder To
6)BORGES ROCHA Luis Gabriel
7)SCHABERLE Fabio Antonio
8)MIGUNS PEREIRA Maria
9)DA SILVA ARNAUT MOREIRA Luis Guilherme

(57) Abstract :
The present invention relates to carboxamide halogenated porphyrin derivatives in particular bacteriochlorin or chlorin of formula (I) wherein: represents a carbon carbon single bond or a carbon carbon double bond provided that at least one represents a carbon carbon single bond; Y1 Y2 are each independently chosen from hydrogen halogenated alkyl or halogenated cycloalkyl with 6 or less carbon atoms or halogenated phenyl where the halogens are independently chosen from F Cl and Br provided that at least one position of the alkyl cycloalkyl or phenyl is halogenated and provided that at least one of Y1 Y2 is not hydrogen; R1 is chosen from H I Cl Br or CONRR where R and R are independently chosen from hydrogen alkyl with 6 or less carbon atoms cyclopropyl cyclobutyl cyclopentyl alcohol primary amine secondary amine tertiary amine positively charged quaternary amine carboxylic acid ether or ester or pharmaceutically acceptable salts thereof. This invention also relates to the use of the above mentioned carboxamide halogenated porphyrin derivatives in particular bacteriochlorin or chlorin of Formula (I) or a pharmaceutically acceptable salt thereof in photodynamic therapy where the referred derivatives are able to detect and exhibit the presence of hyperproliferative disorders and in the presence of an adequate lighting to treat the same. The present invention also describes a pharmaceutical composition comprising one or more of the carboxamide halogenated porphyrin derivatives in particular bacteriochlorin or chlorin of Formula (I) or a pharmaceutically acceptable salt thereof for the treatment of cancer and/or microbial and/or viral infections in humans or animals.

No. of Pages : 30 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043065 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVED STEREOLITHOGRAPHY SYSTEM

(51) International classification :G03F7/00,B33Y30/00
(31) Priority Document No :62/155246
(32) Priority Date :30/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2015/050860
Filing Date :04/09/2015
(87) International Publication No :WO 2016/172784
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CASTANON Diego

(57) Abstract :
A stereolithography system comprises an emitting device and a tank disposed above the emitting device. The tank has an optically transparent bottom wall. There is a linear stage that extends away from the tank and a carrier platform is moveable along the linear stage away from the tank. There is also a wettable material at a bottom wall of the tank within the tank. The wettable material may be coated on the optically transparent bottom wall of the tank or the wettable material may overlay the optically transparent bottom wall of the tank.

No. of Pages : 8 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043066 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONDUCTIVE THIN FILM COMPOSITE

(51) International classification :G01B5/06,G02B1/10,G01N27/04
(31) Priority Document No :62/167091
(32) Priority Date :27/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034678
Filing Date :27/05/2016
(87) International Publication No :WO 2016/191690
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)XU Wentao
2)LIENHART Fabien

(57) Abstract :
Embodiments of the present disclosure are directed to thin conductive composites such as biosensor electrodes containing a polymeric film substrate a conductive layer disposed adjacent the substrate. The conductive layer includes Krypton and a conductive material. The conductive layer has an average thickness of no greater than about 150 nanometers. The conductive layer has a normalized thickness (t/) of no greater than about 3.0. Further the composite has a sheet resistance of no greater than about 97.077t 1.071 ohm/sq where t represents the thickness of the conductive layer in nanometers.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043067 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A PROCESS TO PRODUCE A POLYOLEFIN REACTIVE TELECHELIC PRE POLYMER

(51) International classification :C08G61/08,C08G73/02,C08G73/06
(31) Priority Document No :62/167850
(32) Priority Date :28/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034675
Filing Date :27/05/2016
(87) International Publication No :WO 2016/191688
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)HILLMYER Marc A.
3)MATTA Megan
4)MUNRO Jeffrey C.
5)WALTON Kim L.

(57) Abstract :
A process to produce a polyolefin reactive telechelic pre-polymer comprising reacting alkyl- c/5-cyclooctene and optionally czs-cyclooctene, in the presence of a multifunctional chain transfer agent possessing two or more amino groups wherein the two or more amino groups are protected by one or more protecting groups under ring opening metathesis polymerization conditions to form a dicarbamate telechelic unsaturated polyolefin pre-polymer is provided.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043068 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ANTIMICROBIAL AND AGROCHEMICAL COMPOSITIONS

(51) International classification	:A01N59/16,A01N59/20,A01N59/26
(31) Priority Document No	:62/172501
(32) Priority Date	:08/06/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/036194 :07/06/2016
(87) International Publication No	:WO 2016/200795
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HALL Tony John
2)GURR Sarah

(57) Abstract :
In accordance with, the present invention, there is provided an antimicrobial composition comprising an aqueous solution containing copper and/or zinc ions, optionally a hydroxide salt, and phosphorous acid. The composition, is additionally sporicidal and scleroticidal when combined with a salt of nitrous acid such as sodium nitrite. The present invention may also include chemicals containing the phosphite or phosphonaie group (PO/l which can inhibit the formation of scierotia at concentrations that are readily achievable for agricultural applications. Compositions of the present invention, inhibit, scierotia formation by fungi and may therefore be used in the field to prevent the continuation and advancement of pathogenie fungi.

No. of Pages : 35 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043070 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR MANAGEMENT OF VIDEO AND RING TONES AMONG MOBILE DEVICES

(51) International classification	:H04N21/414,H04N21/4788,H04W64/00
(31) Priority Document No	:62/155706
(32) Priority Date	:01/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/030083 :29/04/2016
(87) International Publication No	:WO 2016/178984
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)CHERNICK Jeffrey
3)GOLDSTON Mark Randall
4)HAEDIKE Arthur Herman Iii
5)PIRAYESH Sohrab

(57) Abstract :
Provided herein are methods and systems for a sender controlled contact media content type that can be sent among mobile devices including addressing the contacts systems and methods of such devices to provide rich interactions among users upon the occurrence of contact events.

No. of Pages : 41 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043071 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HEAT DISSIPATION RETAINING STRUCTURE FOR HEAT PRODUCTION DEVICE, INSTALLATION METHOD THEREOF, AND WIND TURBINE GENERATOR SET

(51) International classification :F03D11/00
(31) Priority Document No :201510405679.7
(32) Priority Date :10/07/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/089628
Filing Date :11/07/2016
(87) International Publication No :WO 2017/008714
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MA Shengjun
2)MA Wanshun

(57) Abstract :
A heat dissipation retaining structure for a heat production device, an installation method thereof, and a wind turbine generator set. The heat dissipation retaining structure comprises a retaining structure body for defining a middle space, and a heat radiation absorption coating (3), a heat insulating material, or an infrared low-emissivity and high-reflectivity material is at least partially applied to an inner wall of the retaining structure body (5). The air temperature of the environment in the retaining structure is actively decreased by the foregoing structure under the conditions that noise is avoided, environmental friendliness is achieved, external power is omitted, and energy consumption is zero, thereby decreasing the temperature of the heat production device, and ensuring that the heat production device works at the allowable normal temperature for a long time.

No. of Pages : 32 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017
(21) Application No.201717043205 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PROCESS FOR ELECTRO HYDRODYNAMICALLY ENHANCED DESTRUCTION OF CHEMICAL AIR CONTAMINANTS AND AIRBORNE INACTIVATION OF BIOLOGICAL AGENTS

(51) International classification :A61L9/22,F15D1/02
(31) Priority Document No :62/158131
(32) Priority Date :07/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031163
Filing Date :06/05/2016
(87) International Publication No :WO 2016/179477
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)THE REGENTS OF THE UNIVERSITY OF MICHIGAN
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(72)**Name of Inventor :**
1)CLACK Herek L.
2)WIGGINTON Krista R.

(57) Abstract :
A method and apparatus for electro hydrodynamic destruction of an aerosol. The method includes receiving air having large aerosols greater than about 1 micron and small aerosols smaller than about 1 micron and entraining the large aerosols and small aerosols within an airflow. The airflow is directed to an electric field which causes the large aerosols to react with the electric field to accumulate an electric charge resulting in extraction of the large aerosols from the airflow. The airflow is also directed to a non thermal plasma such that the small aerosols remain entrained in the airflow and are subject to electro hydrodynamic (EHD) phenomena. The non thermal plasma outputs at least one of radicals excited species and ionized atoms and molecules capable of reacting with the small aerosols to result in physical and/or chemical destruction of the small aerosols.

No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043221 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PREDICTIVE CONTROL OF THE ORIENTATION OF A SOLAR TRACKER

(51) International classification :F24J2/40,F24J2/54
(31) Priority Document No :15 55063
(32) Priority Date :03/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051297
Filing Date :31/05/2016
(87) International Publication No :WO 2016/193612
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ARLIAUD Jrme
2)CRUCIFIX Adrien
3)BLANC Philippe

(57) Abstract :
Method for controlling the orientation of a single axis solar tracker (1) that can be orientated around an axis of rotation (A) said method implementing the following steps: a) observing the change over time in the cloud cover above the solar tracker (1); b) determining the change over time of an optimum angle of inclination of the solar tracker (1) substantially corresponding to a maximum solar radiation on the solar tracker (1) on the basis of the observed cloud cover; c) predicting the future change of the cloud cover based on earlier observed change in the cloud cover; d) calculating the future change in the optimum angle of inclination on the basis of the prediction of the future change in cloud cover; e) controlling the orientation of the solar tracker (1) on the basis of the earlier change in the optimum angle of inclination and on the basis of the future change in the optimum angle of inclination. The present invention finds application in the field of solar trackers.

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043245 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROR GAMMA (RORY) MODULATORS

(51) International classification :C07D213/71,C07D213/75,C07D241/18
(31) Priority Document No :15170768.4
(32) Priority Date :05/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062708
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193468
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)MACHNIK David
3)NABUURS Sander Bernardus
4)SABUCO Jean Francois
5)SCHIO Laurent

(57) Abstract :
The present invention relates to novel compounds according to Formula (I) or a pharmaceutically acceptable salt thereof

No. of Pages : 75 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043246 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROR GAMMA (ROR) MODULATORS

(51) International classification :C07D213/75,C07D213/82,C07D215/08
(31) Priority Document No :15170762.7
(32) Priority Date :05/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062688
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193452
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DE KIMPE Vera
3)NABUURS Sander Bernardus

(57) Abstract :
The present invention relates to compounds according to Formula I: or a pharmaceutically acceptable salt thereof. The compounds can be used as inhibitors of RORy and are useful for the treatment of RORy mediated diseases.

No. of Pages : 64 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043248 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SELF ADHESIVE BALANCING WEIGHT FOR A VEHICLE WHEEL

(51) International classification :F16F15/32
(31) Priority Document No :16153928.3
(32) Priority Date :02/02/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/051940
Filing Date :30/01/2017
(87) International Publication No :WO 2017/134013
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SCHWENOLD Hubert

(57) Abstract :
A self adhesive balancing weight (10) for balancing a wheel of a vehicle comprising a bottom surface (12) to be attached to the rim of the wheel opposed thereto a top surface (11) two long sides (14) opposing each other between the top surface (11) and the bottom surface (12) and two short sides (13) opposing each other between the long sides (14) and between the top surface (11) and the bottom surface (12). The balancing weight (10) is an arch segment having a convex bottom surface (12) extending between the short sides (13) and the short sides (13) having an angle of less than 90 to the bottom surface (12) and an angle of more than 90 to the top surface (11). Furthermore the short sides (13) are convex shaped from one long side (14) to the other long side (14).

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042595 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : RUNNER FOR A FLUID MACHINE HAVING REMOVABLE BLADES

(51) International classification :F03B3/12,F04D29/22,F04D29/34
(31) Priority Document No :20150679
(32) Priority Date :28/05/2015
(33) Name of priority country :Norway
(86) International Application No :PCT/NO2016/050105
Filing Date :25/05/2016
(87) International Publication No :WO 2016/190749
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)STORVOLD Jahn Peter

(57) Abstract :
Runner (1) for a fluid machine where the runner (1) includes a runner hub (2) and one or more curved blades (6) and where the blade (6) is removably fixed to the runner hub (2) by fixing elements (20) that extends into a double curved first socket portion (14) of the blade (6) and where the first socket portion (14) bears against the runner hub (2) at one or more contact surface (30) that is plane.

No. of Pages : 6 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042596 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COMPOSITIONS AND METHODS FOR DEGRADATION OF MISFOLDED PROTEINS

(51) International classification	:A61P11/00,A61P25/28,G01N33/566
(31) Priority Document No	:62/168309
(32) Priority Date	:29/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/034751 :27/05/2016
(87) International Publication No	:WO 2016/196328
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)GUO Lili

(57) Abstract :
The present invention relates to compositions and methods for promoting the degradation of misfolded proteins and protein aggregates. The compositions and methods may be used to treat a disorder associated with misfolded proteins or protein aggregates. In certain instances, the compositions and methods relate to modulators of one or more TRIM proteins or one or more STUbLs.

No. of Pages : 142 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042597 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SHOCK HEAT TREATMENT OF ALUMINUM ALLOY ARTICLES

(51) International classification :C22C21/00,C22F1/04,C22F1/043
(31) Priority Document No :62/158727
(32) Priority Date :08/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030575
Filing Date :03/05/2016
(87) International Publication No :WO 2016/182794
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DESPOIS Aude
3)RICHARD Julie

(57) Abstract :
Processes for improving the strength of heat-treatable, age hardenable aluminum alloys, such as 6xxx, 2xxx and 7xxx aluminum alloys, are provided. The processes for improving the strength of heat-treatable, age-hardenable aluminum alloys involve a heat treatment step, termed shock heat treatment, which involves heat treatment at 200 to 350 °C that is conducted at a fast heating rate (for example 10 to 220 °C/seconds) for a relatively short period of time (for example, for 60 seconds or less or for 5 to 30 seconds). In some examples, the shock heat treatment is accomplished by contact heating, such as heating an aluminum alloy article between complementary shaped heated dies of a press. Aluminum alloy articles, such as automotive panels, produced by the disclosed shock heat treatment are also provided.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042606 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : BICYCLIC COMPOUNDS

(51) International classification :C07D471/04,C07D473/30,C07D487/04
(31) Priority Document No :62/160413
(32) Priority Date :12/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031663
Filing Date :10/05/2016
(87) International Publication No :WO 2016/183094
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)ABRAHAM Sunny
3)HOPKINS Chad Daniel
4)PINCHMAN Joseph Robert
5)HUANG Peter Qinhua
6)SLEE Deborah Helen

(57) Abstract :
Disclosed herein are nitrogen containing bicyclic compounds together with pharmaceutical compositions and methods of ameliorating and/or treating a cancer described herein with one or more of the compounds described herein.

No. of Pages : 97 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042607 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVEMENTS RELATING TO THE PRODUCTION OF WIND TURBINE COMPONENTS

(51) International classification	:B29C70/34,B29C70/54,B29L31/08
(31) Priority Document No	:PA 2015 70276
(32) Priority Date	:12/05/2015
(33) Name of priority country	:Denmark
(86) International Application No Filing Date	:PCT/DK2016/050121 :11/05/2016
(87) International Publication No	:WO 2016/180420
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)HUNTER Robert
2)SMITH Jonathan

(57) Abstract :
A method of making a composite wind turbine component in a mould is described. The method comprises the steps of: providing a mould; providing one or more first layers (20) of material; arranging the first layer(s) of material in the mould; arranging one or more second layers (20) of material on top of the first layer(s) to form a stack (22); and securing the second layer(s) to the first layer(s) by means of one or more fasteners (24). The steps of the method can be performed in any suitable order. The fasteners (24) each comprise a filament having a first retaining element at a first end and a second retaining element at a second end. To secure the second layer(s) to the first layer(s) the first retaining element of each fastener is inserted through the second layer(s) and the first layer(s) such that the first retaining element is located on one side of the stack and the second retaining element is located on the other side of the stack with the filament extending through the stack (22).

No. of Pages : 15 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043072 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PORTION CAPSULE WITH A THREE PLY NONWOVEN FABRIC

(51) International classification :B65D85/804
(31) Priority Document No :10 2015 210 606.3
(32) Priority Date :10/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/063186
Filing Date :09/06/2016
(87) International Publication No :WO 2016/198534
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)HANISCH Marco
3)EMPL Gnter

(57) Abstract :
The invention relates to a portion capsule for producing a beverage having a capsule body with a capsule base and a filling side. A cavity for receiving a pulverulent or liquid beverage substrate is formed between the capsule base and the filling side and a filter element is arranged between the beverage substrate and the capsule base. The filter element comprises an open pore felt and/or nonwoven fabric and the felt and/or nonwoven fabric has a first average pore size in a first region facing the beverage substrate and a second average pore size in a second region facing the capsule base said first pore size being smaller than the second pore size.

No. of Pages : 13 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043074 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVED STEREOLITHOGRAPHY SYSTEM

(51) International classification :G03F7/20,B33Y30/00,B82Y30/00
(31) Priority Document No :62/155246
(32) Priority Date :30/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/050509
Filing Date :02/05/2016
(87) International Publication No :WO 2016/172805
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CASTANON Diego

(57) Abstract :
A stereolithography system comprises an emitting device and a tank disposed above the emitting device. The tank has a first optically transparent bottom wall and a second optically transparent bottom wall with a space disposed therebetween. There is a linear stage that extends away from the tank and a carrier platform is moveable along the linear stage away from the tank. There is also a wettable material at a bottom wall of the tank within the tank. A fluid cooling system is in fluid communication the space disposed between the first optically transparent bottom wall of the tank and the second optically transparent bottom wall of the tank.

No. of Pages : 28 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043077 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MULTI PEPTIDE COMPOSITION

(51) International classification :A61K38/10,A61K38/16,A61K38/28
(31) Priority Document No :1510056.3
(32) Priority Date :10/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051726
Filing Date :10/06/2016
(87) International Publication No :WO 2016/198887
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)KINGS COLLEGE LONDON
Address of Applicant :Strand London Greater London WC2R 2LS U.K.
(72)**Name of Inventor :**
1)PEAKMAN Mark

(57) Abstract :
The invention relates to a specific peptide combination. The peptide combination may be present in a pharmaceutically acceptable composition. The peptide combination can be used in the therapy or prevention of Type 1 Diabetes (TID). The invention also relates to a method of diagnosing or determining treatment efficacy, the method utilising the specific peptide combination.

No. of Pages : 21 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043078 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CARDIAC FIBROBLAST DERIVED EXTRACELLULAR MATRIX AND INJECTABLE FORMULATIONS THEREOF FOR TREATMENT OF ISCHEMIC DISEASE OR INJURY

(51) International classification :A61L27/36,A61L27/38
(31) Priority Document No :62/170324
(32) Priority Date :03/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035881
Filing Date :03/06/2016
(87) International Publication No :WO 2016/197038
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)WISCONSIN ALUMNI RESEARCH FOUNDATION
Address of Applicant :614 Walnut Street Madison WI 53726 U.S.A.
(72)**Name of Inventor :**
1)SCHMUCK Eric
2)RAVAL Amish

(57) Abstract :
Compositions and methods using an engineered cardiac fibroblast-derived 3 -dimensional extracellular matrix (ECM) are disclosed. The ECM includes the structural proteins fibronectin, collagen type I, collagen type III, and elastin, and from 60% to 90% of the structural proteins present in the engineered extracellular matrix are fibronectin. The compositions, which can be used to treat cardiac disease or ischemic disease or injury, are injectable compositions, where the ECM is diced into small fragments or lyophilized into a powder. The disclosed methods include a method of treating ischemic disease or injury by contacting a cell free patch made from the ECM with the injured tissue, without the concomitant delivery of therapeutic cells, and a method of treating ischemic limb injury by contacting a patch, either by itself or seeded with therapeutic cells, with the injured limb tissue

No. of Pages : 26 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043079 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COMPOSITIONS AND METHODS FOR CONTROLLING ARTHROPOD PARASITE AND PEST INFESTATIONS

(51) International classification	:A01N57/16,A01K47/00,A01P7/02
(31) Priority Document No	:62/156751
(32) Priority Date	:04/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/030579 :03/05/2016
(87) International Publication No	:WO 2016/179180
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)BEEOLOGICS INC.
(72)**Name of Inventor :**
1)INBERG Alex
2)KAPOOR Mahak

(57) Abstract :
This application provides and discloses anti-parasitic, anti-pest or insecticidal nucleic acid molecules and their calmodulin target genes for the control of arthropod parasites and pests. In particular, this application provides and discloses insecticidal nucleic acid molecules that target Varroa calmodulin gene sequences. This application further provides methods and compositions for the control and treatment of parasites and pests in Apis mellifera (honey bee) hives.

No. of Pages : 92 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043256 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROR GAMMA (RORY) MODULATORS

(51) International classification :C07D213/75,C07D215/08,C07D231/40
(31) Priority Document No :15170763.5
(32) Priority Date :05/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062696
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193459
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)SANOFI
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1)CALS Joseph Maria Gerardus Barbara
2)DE KIMPE Vera
3)NABUURS Sander Bernardus

(57) Abstract :
The present invention relates to compounds according to Formula I: or a pharmaceutically acceptable salt thereof. The compounds can be used as inhibitors of RORy and are useful for the treatment of RORy mediated diseases such as autoimmune and inflammatory diseases.

No. of Pages : 35 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043257 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROR GAMMA (RORY) MODULATORS

(51) International classification :C07D213/75,C07D231/12,C07D333/36
(31) Priority Document No :15170764.3
(32) Priority Date :05/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062712
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193470
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)CALS Joseph Maria Gerardus Barbara
2)DE KIMPE Vera
3)NABUURS Sander Bernardus
4)CADICAMO Cosimo Damiano
5)LEMMERS Jaap Gerardus Henricus

(57) Abstract :
The present invention relates to compounds according to Formula (I): or a pharmaceutically acceptable salt thereof. The compounds can be used as inhibitors of RORγ and are useful for the treatment of RORγ mediated diseases.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043261 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : APPARATUS SYSTEM AND METHOD OF DETERMINING A PUPILLARY DISTANCE

(51) International classification :A61B3/11
(31) Priority Document No :62/159490
(32) Priority Date :11/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/052671
Filing Date :10/05/2016
(87) International Publication No :WO 2016/181308
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)6 OVER 6 VISION LTD.
Address of Applicant :6 Simtat Baz 4427203 Kfar Saba Israel
(72)**Name of Inventor :**
1)LIMON Ofer

(57) Abstract :
Some demonstrative embodiments include apparatuses systems and/or methods of determining a pupillary distance. For example a product may include one or more tangible computer readable non transitory storage media including computer executable instructions operable to when executed by at least one computer processor enable the at least one computer processor to implement operations of measuring a pupillary distance between pupils of a user. The operations may include receiving a captured image comprising first and second reflections of a light of a light source the first reflection comprising a reflection of the light from a first pupil of the user and the second reflection comprising a reflection of the light from a second pupil of the user; and determining the pupillary distance based on locations of the first and second reflections in the captured image and an estimated distance between an image capturing device and pupils of the user when the image is captured.

No. of Pages : 40 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043262 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PERSONALIZED DELIVERY VECTOR BASED IMMUNOTHERAPY AND USES THEREOF

(51) International classification :A61K48/00,A61K38/16,C07K14/195
(31) Priority Document No :62/166591
(32) Priority Date :26/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034301
Filing Date :26/05/2016
(87) International Publication No :WO 2016/191545
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PETIT Robert
2)PERRY Kyle
3)PRINCIOTTA Michael F.
4)OCONNOR Daniel J.

(57) Abstract :
This invention provides a system of providing and creating personalized immunotherapeutic compositions for a subject having a disease or condition including therapeutic immunotherapy delivery vectors and methods of making the same comprising gene expression constructs expressing peptides associated with one or more neo epitopes or peptides containing mutations that are specific to a subjects cancer or unhealthy tissue. A delivery vector of this invention includes bacterial vectors including Listeria bacterial vectors; or viral vectors peptide immunotherapy vectors; or DNA immunotherapy vectors comprising one or more fusion proteins comprising one or more peptides comprising one or more neo epitopes present in disease bearing biological samples obtained from the subject. This invention also provides methods of using the same for inducing an immune response against a disease or condition including a tumor or cancer or an infection or an autoimmune disease or an organ transplant rejection in the subject.

No. of Pages : 270 No. of Claims : 96

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043275 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND DEVICE FOR CONTROLLING A COASTING OPERATION OF A VEHICLE COMPRISING A TRANSMISSION

(51) International classification	:B60W10/02,B60W10/06,B60W30/18
(31) Priority Document No	:10 2015 214 550.6
(32) Priority Date	:30/07/2015
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/DE2016/200332 :21/07/2016
(87) International Publication No	:WO 2017/016561
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)SCHAEFFLER TECHNOLOGIES AG And CO. KG
Address of Applicant :Industriestrae 1 3 91074 Herzogenaurach Germany
(72)**Name of Inventor :**
1)KNEILER Markus
2)BAUMANN Matthias

(57) Abstract :
The invention relates to a method for controlling a coasting operation of a vehicle comprising a transmission wherein a clutch is automatically opened and closed during travel of the vehicle. In a method in which the coasting operation can be changed the coasting operation is varied in accordance with a current driving state of the vehicle.

No. of Pages : 7 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043759 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ANTI OX40 ANTIBODIES AND METHODS OF USE THEREOF

(51) International classification :C07K16/28
(31) Priority Document No :62/158515
(32) Priority Date :07/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031257
Filing Date :06/05/2016
(87) International Publication No :WO 2016/179517
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)MEMORIAL SLOAN KETTERING CANCER CENTER
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2)BREOUS NYSTROM Ekaterina
3)SEIBERT Volker
4)RITTER Gerd
5)SCHAER David
6)HIRSCHHORN CYMERMAN Daniel
7)MERGHOUB Taha
8)TANG Hao
9)SAVITSKY David A.
10)WAIGHT Jeremy
11)WILSON Nicholas S.

(57) Abstract :
The present disclosure provides antibodies that specifically bind to human OX40 receptor (OX40) and compositions comprising such antibodies. In a specific aspect the antibodies specifically bind to human OX40 and modulate OX40 activity e.g. enhance activate or induce OX40 activity or reduce deactivate or inhibit OX40 activity. The present disclosure also provides methods for treating disorders such as cancer by administering an antibody that specifically binds to human OX40 and modulates OX40 activity e.g. enhances activates or induces OX40 activity. Also provided are methods for treating autoimmune or inflammatory diseases or disorders by administering an antibody that specifically binds to human OX40 and modulates OX40 activity e.g. reduces deactivates or inhibits OX40 activity.

No. of Pages : 192 No. of Claims : 130

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043763 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS FOR TRANSFERRING DISCRETE ARTICLES

(51) International classification :A61F13/15,B65G29/02,B65H39/14
(31) Priority Document No :14/747255
(32) Priority Date :23/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038287
Filing Date :20/06/2016
(87) International Publication No :WO 2016/209745
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SCHNEIDER Uwe
2)PAPSDORF Clifford Theodore
3)FINDLEY Daniel Patrick

(57) Abstract :
The present disclosure is directed to a method of transferring discrete articles between a transfer assembly and an apparatus comprising a head. The transfer assembly comprises a frame defining a first rotation axis and a transfer member comprising a transfer surface configured to receive one of the discrete articles. The method comprises rotating the transfer member of the transfer assembly about the first rotation axis at a substantially constant angular velocity maintaining the transfer surface at a substantially constant minimum distance away from a surface of the head at a point of discrete article transfer and rotating the head of the apparatus about a second rotation axis at a plurality of angular velocities. A first angular velocity of the head is substantially constant at the point of discrete article transfer.

No. of Pages : 57 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043764 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS FOR TRANSFERRING DISCRETE ARTICLES

(51) International classification :A61F13/15,B65G29/02,B65H39/14
(31) Priority Document No :14/747296
(32) Priority Date :23/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038288
Filing Date :20/06/2016
(87) International Publication No :WO 2016/209746
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)SCHNEIDER Uwe
2)PAPSDORF Clifford Theodore
3)FINDLEY Daniel Patrick

(57) Abstract :
The present disclosure provides a method of transferring discrete articles from a transfer assembly to an apparatus comprising a head. The transfer assembly comprises a frame defining a first rotation axis and a transfer member. The method comprises rotating the transfer member about the first rotation axis and maintaining a transfer surface of the transfer member at a substantially constant minimum distance away from a surface of the head at a point of discrete article transfer. The transfer surface is moved at a first substantially constant tangential velocity at the point of discrete article transfer. The method further comprises rotating the head of the apparatus about a second rotation axis. The surface of the head is moved at a second substantially constant tangential velocity at the point of discrete article transfer. The second tangential velocity of the head is greater than the first tangential velocity of the transfer surface.

No. of Pages : 57 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043774 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HYBRID BACK TO BACK DC ELECTRIC POWER TRANSMISSION SYSTEM AND METHOD FOR CURRENT REVERSAL CONTROL

(51) International classification :H02H7/26,H02J3/06
(31) Priority Document No :201610061214.9
(32) Priority Date :28/01/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/071655
Filing Date :19/01/2017
(87) International Publication No :WO 2017/129026
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)NR ENGINEERING CO. LTD
(72)**Name of Inventor :**
1)WANG Nannan
2)ZHAO Wenqiang
3)WANG Yongping

(57) Abstract :
A hybrid back to back DC electric power transmission system and a method for quick current reversal control the system comprising an LCC transverter (LCC) and a VSC transverter (VSC) which are connected back to back a first conversion switch (Q1) a second conversion switch (Q2) a third conversion switch (Q3) and a fourth conversion switch (Q4); the first conversion switch (Q1) connects with a first AC system and the LCC transverter (LCC) the second conversion switch (Q2) connects with the first AC system and the VSC transverter (VSC) the third conversion switch (Q3) connects with a second AC system and the VSC transverter (VSC) the fourth conversion switch (Q4) connects with the second AC system and the LCC transverter (LCC). When the power is transmitted in a forward direction the first conversion switch (Q1) and the third conversion switch (Q3) are closed; when the power is transmitted in a reverse direction the second conversion switch (Q2) and the fourth conversion switch (Q4) are closed thereby ensuring that the VSC transverter is always in an inversion operation under any power so as to avoid the problem of phase switch failure when the LCC transverter is in an inversion operation.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043408 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PROCESS FOR THE PREPARATION OF INTERMEDIATES USEFUL IN THE PREPARATION OF NON IONIC CONTRAST AGENTS

(51) International classification	:C07C227/04,C07C227/16,C07C227/18
(31) Priority Document No	:108524
(32) Priority Date	:02/06/2015
(33) Name of priority country	:Portugal
(86) International Application No Filing Date	:PCT/GB2016/051633 :02/06/2016
(87) International Publication No	:WO 2016/193740
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HEGGIE William
2)NABER John
3)BAZINET Patrick R
4)TOMAS Filipe

(57) Abstract :
The invention relates to a process for the preparation of one or more intermediate chemical compounds useful in the preparation of non ionic contrast agents wherein the process is carried out continuously using one or more flow procedures.

No. of Pages : 16 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043413 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : LID

(51) International classification :B65D3/00
(31) Priority Document No :62/157268
(32) Priority Date :05/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030897
Filing Date :05/05/2016
(87) International Publication No :WO 2016/179353
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HONG Kibeom

(57) Abstract :
A disposable coffee cup lid including a generally circular panel member an endless sidewall member having an inner face an oppositely disposed outer face and a generally circular top panel extending between the inner and outer faces wherein the endless sidewall member extends generally perpendicularly from the generally circular panel member a circular cup engaging flange portion operationally connected to the endless sidewall member an aperture formed in the endless sidewall member and a slide member operationally connected to the endless sidewall member for selectively covering the aperture.

No. of Pages : 8 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043419 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A NOVEL PROCESS FOR PREPARING ENZALUTAMIDE

(51) International classification :C07D233/86,A61K31/4164
(31) Priority Document No :62/173814
(32) Priority Date :10/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SG2016/050267
Filing Date :08/06/2016
(87) International Publication No :WO 2016/200338
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)LIAO Yuan Xiu
2)GUO Jiunn Cheh
3)SHIH Wen Li
4)CHEN Shang Hong

(57) Abstract :
The present invention provides a process for the efficient preparation of enzalutamide of the following formula I:

No. of Pages : 22 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043420 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MUTATED FRAGMENTS OF THE RAS PROTEIN

(51) International classification :C07K14/82,C07K14/725,A61K39/00
(31) Priority Document No :15172418.4
(32) Priority Date :16/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/063920
Filing Date :16/06/2016
(87) International Publication No :WO 2016/202937
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ERIKSEN Jon Amund

(57) Abstract :
There is disclosed a peptide suitable for eliciting an immune response. The peptide corresponds to a fragment of the RAS protein and comprises a region of 8 amino acids which includes a mutated position of the RAS protein. Said region has at least 6 amino acid residues other than the mutated position which are identical to the corresponding region of the RAS protein. The peptide has apoint mutation at the amino acid corresponding to the mutated position and the mutated position is position 146 or 117 of the RAS protein.

No. of Pages : 86 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043486 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ENDOSTATIN FRAGMENTS AND VARIANTS FOR USE IN TREATING FIBROSIS

(51) International classification :C07K14/78
(31) Priority Document No :62/171889
(32) Priority Date :05/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035858
Filing Date :03/06/2016
(87) International Publication No :WO 2016/197018
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RYAN Terence E
3)PADGETT Hal S.
4)MCGEE Matthew

(57) Abstract :
Materials and methods for using polypeptides containing fragments and variants of endostatin to treat fibrosis are described herein.

No. of Pages : 108 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043488 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROR GAMMA (ROR) MODULATORS

(51) International classification :C07D213/81,C07C317/32,A61K31/10
(31) Priority Document No :15170765.0
(32) Priority Date :05/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062701
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193461
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SANOFI
(72)**Name of Inventor :**
1)CALS Joseph Maria Gerardus Barbara
2)NABUURS Sander Bernardus

(57) Abstract :
The present invention relates to novel compounds according to Formula (I) or a pharmaceutically acceptable salt thereof. The compounds can be used as inhibitors of ROR and are useful for the treatment of ROR mediated diseases.

No. of Pages : 76 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043491 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SURFACTANT STABILIZED CYCLOHEXANEDIOXIDE OXIME FORMULATIONS

(51) International classification :A01N25/02,A01N35/10,A01P13/00
(31) Priority Document No :62/171126
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034137
Filing Date :25/05/2016
(87) International Publication No :WO 2016/196130
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)MARTIN Craig Arlen
3)STREET John Richard
4)GOLDSMITH Andrew Evelyn
5)GROOME John Martin
6)BELL Mark

(57) Abstract :
Herbicidal formulations include a combination of an active herbicide in particular a cyclohexanedione oxime herbicide and a stabilizing surfactant. The herbicidal formulations for example have improved storage stability. Methods for controlling weeds with the herbicidal formulations are also provided.

No. of Pages : 24 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043509 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : APPARATUS SYSTEM AND METHOD OF DETERMINING ONE OR MORE OPTICAL PARAMETERS OF A LENS

(51) International classification :G01M11/02,G02C7/00,A61B3/02
(31) Priority Document No :62/159295
(32) Priority Date :10/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/052672
Filing Date :10/05/2016
(87) International Publication No :WO 2016/181309
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)BACHAR Haim
3)ALTMARK Nir
4)LEVY Shahar

(57) Abstract :
Some demonstrative embodiments include apparatuses systems and/or methods of determining one or more optical parameters of a lens of eyeglasses. For example a product may include one or more tangible computer readable non transitory storage media including computer executable instructions operable to when executed by at least one computer processor enable the at least one computer processor to implement operations of determining one or more optical parameters of a lens of eyeglasses. The operations may include processing at least one image of an object captured via the lens; and determining the one or more optical parameters of the lens based on the at least one image.

No. of Pages : 54 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2017

(21) Application No.201717043080 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SOLDERING DEVICE AND FLUX APPLYING DEVICE

(51) International classification :H05K3/34,B23K1/00,B23K1/008
(31) Priority Document No :2015105390
(32) Priority Date :25/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/054595
Filing Date :17/02/2016
(87) International Publication No :WO 2016/189902
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SENJU METAL INDUSTRY CO. LTD.
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1)SUGIHARA Takashi
2)TAGUCHI Hiroshi
3)HIYAMA Tsutomu

(57) Abstract :
Provided are a soldering device and a flux applying device that use a nut which is configured such that the nut is attached to the soldering device and the flux applying device and a fixed position of the nut can be changed more easily than the conventional art even when adhered matter is adhered to the nut the adhered matter being generated as a result of long time use of the devices. A nut 10 is screwed onto a screw shaft 5 having a prescribed length. The nut 10 has at least one non engaging part 11 that is parallel to the advancement direction of the nut 10 and that does not engage with the screw shaft 5. The non engaging part 11 is provided so as to span the entire length of the nut 10 from the leading end to the rear end of the nut 10. Due to this configuration the non engaging part 11 is utilized such that adhered matter 6 is scraped off from a first discharge opening 12a or a second discharge opening 12b by the non engaging part 11 as a result of the nut 10 being made to move back and forth on the screw shaft 5.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043114 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ISOLATED COMPLEX ENDOPHYTE COMPOSITIONS AND METHODS FOR IMPROVED PLANT TRAITS

(51) International classification :A01C1/06,A01G7/06,A01H17/00
(31) Priority Document No :62/156001
(32) Priority Date :01/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030292
Filing Date :29/04/2016
(87) International Publication No :WO 2016/179046
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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5)TOLEDO Gerardo V.
6)MARQUEZ Luis Miguel
7)VON MALTZAHN Geoffrey

(57) Abstract :
This invention relates to methods and materials for providing a benefit to a plant by associating the plant with a complex endophyte comprising a host fungus further comprising a component bacterium including benefits to a plant derived from a seed or other plant element treated with a complex endophyte. For example this invention provides purified complex endophytes purified complex endophyte components such as bacteria or fungi synthetic combinations comprising said complex endophytes and/or components and methods of making and using the same.

No. of Pages : 169 No. of Claims : 102

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043115 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DESIGNED COMPLEX ENDOPHYTE COMPOSITIONS AND METHODS FOR IMPROVED PLANT TRAITS

(51) International classification :A01C1/06,A01G7/06,A01H17/00
(31) Priority Document No :62/156006
(32) Priority Date :01/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030293
Filing Date :29/04/2016
(87) International Publication No :WO 2016/179047
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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7)PELAEZ Julianne Naomi
8)VON MALTZAHN Geoffrey

(57) Abstract :
This invention relates to methods and materials for providing a benefit to a plant by associating the plant with a complex endophyte comprising a host fungus further comprising a component bacterium including benefits to a plant derived from a seed or other plant element treated with a complex endophyte. For example this invention provides purified complex endophytes purified complex endophyte components such as bacteria or fungi synthetic combinations comprising said complex endophytes and/or components and methods of making and using the same.

No. of Pages : 164 No. of Claims : 118

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043128 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SHIP

(51) International classification :B63B25/16,F17C6/00,F17C9/02
(31) Priority Document No :1020150078142
(32) Priority Date :02/06/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/003545
Filing Date :05/04/2016
(87) International Publication No :WO 2016/195233
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)MOON Young Sik
4)SHIN Hyun Jun
5)JANG Hyun Min
6)SON Jae Wook
7)LEE Joon Chae

(57) Abstract :
Disclosed is a ship comprising a storage tank for storing liquefied gas. The ship comprises: an evaporated gas heat exchanger installed downstream of the storage tank such that compressed evaporated gas (hereinafter referred to as first fluid) is made to exchange heat and cooled using evaporated gas which is discharged from the storage tank as a refrigerant; a compressor installed downstream of the evaporated gas heat exchanger so as to compress a part of the evaporated gas discharged from the storage tank; a spare compressor installed downstream of the evaporated gas heat exchanger in parallel with the compressor so as to compress another part of the evaporated gas discharged from the storage tank; a refrigerant heat exchanger for additionally cooling the first fluid that has been cooled by the evaporated gas heat exchanger; a refrigerant pressure reduction device for expanding the second fluid which has been sent to the refrigerant heat exchanger (hereinafter referred to as second fluid) and cooled by the refrigerant heat exchanger and then sending the same back to the refrigerant heat exchanger; a first pressure reduction device for expanding a part of the first fluid which has been cooled by the evaporated gas heat exchanger and by the refrigerant heat exchanger; and a third pressure reduction device for expanding the remaining part of the first fluid which has been cooled by the evaporated gas heat exchanger and by the refrigerant heat exchanger and sending the same back to the refrigerant heat exchanger wherein the refrigerant heat exchanger causes the first fluid to exchange heat thereby cooing the same using the second fluid a fluid expanded by the refrigerant pressure reduction device and a fluid pressure reduced by the third pressure reduction device; the first fluid is evaporated gas compressed by the compressor or is a flow joined by evaporated gas compressed by the compressor and joined by evaporated gas compressed by the spare compressor; and the second fluid is evaporated gas compressed by the spare compressor or is a flow joined by evaporated gas compressed by the compressor and joined by evaporated gas compressed by the spare compressor.

No. of Pages : 85 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043616 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ANTI GITR ANTIBODIES FOR CANCER DIAGNOSTICS

(51) International classification :G01N33/566,C07K16/28
(31) Priority Document No :62/170579
(32) Priority Date :03/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035514
Filing Date :02/06/2016
(87) International Publication No :WO 2016/196792
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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9)LONBERG Nils
10)SRINIVASAN Mohan
11)HAN Michelle Minhua
12)CHEN Guodong
13)HUANG Richard
14)CHAKRABORTY Indrani
15)WONG Susan Chien Szu
16)LI Huiming

(57) Abstract :
Provided herein are diagnostic antibodies that bind to glucocorticoid induced tumor necrosis factor receptor (GITR). Such antibodies are useful for methods of detecting the expression of GITR in biological samples for example tumor tissue and identifying a cancer patient likely to respond to anti GITR immunotherapy or predicting whether a cancer patient will respond to anti GITR immunotherapy.

No. of Pages : 75 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043628 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR HIGH CO2 AMMONIA PURIFICATION

(51) International classification :B01D53/02
(31) Priority Document No :62/173675
(32) Priority Date :10/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036845
Filing Date :10/06/2016
(87) International Publication No :WO 2016/201195
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PETERS Arlin
2)TAYLOR Martin

(57) Abstract :
Systems and methods for removing C02 from an ammonia stream using a warm water wash in a multi stage water wash with varying temperatures.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043644 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ULTRASONIC SURGICAL BLADE FOR USE WITH ULTRASONIC SURGICAL INSTRUMENTS

(51) International classification :A61B17/32,A61B18/14
(31) Priority Document No :14/742504
(32) Priority Date :17/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035969
Filing Date :06/06/2016
(87) International Publication No :WO 2016/204999
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)GEE Jacob S.
2)MARCOTTE Amy L.
3)WEED III John A.

(57) Abstract :
A surgical instrument includes an ultrasonic transducer an ultrasonic transmission waveguide extending from the ultrasonic transducer and an ultrasonic blade acoustically coupled to the ultrasonic transmission waveguide. The ultrasonic blade includes a base and a curved body extending distally from the base. The curved body includes a tissue treating surface extending on a first side of the curved body and a curved edge extending on a second side of the curved body opposite the first side. The curved edge has a proximal end and a distal end wherein the proximal end is offset from the distal end in a first direction wherein the proximal end is offset from the distal end in a second direction and wherein the first direction is perpendicular to the second direction.

No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043653 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FREQUENCY DIVIDER PHASE LOCKED LOOP TRANSCEIVER RADIO STATION AND METHOD OF FREQUENCY DIVIDING

(51) International classification	:H03K23/68,H03L7/099,H03L7/197
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/EP2015/063497 :16/06/2015
(87) International Publication No	:WO 2016/202367
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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Address of Applicant :S 164 83 Stockholm Sweden
(72)**Name of Inventor :**
1)EK Staffan
2)PHLSSON Tony
3)SJLAND Henrik

(57) Abstract :
An electronic circuit arranged to receive an oscillating signal and output an output signal at a frequency having a frequency relation with the oscillating signal defined by a divide ratio is provided. The electronic circuit comprises a first frequency divider arranged to receive the oscillating signal and output N frequency divided signals of different phases a second frequency divider arranged to receive one of the N signals and frequency divide the received signal by a value given by a first control signal provided to the second frequency divider N latch circuits each being arranged to receive a respective one of the N signals at a clocking input of the respective latch circuit and to receive an output of the second frequency divider at an input of the respective latch circuit a multiplexer circuit arranged to receive outputs of the N latch circuits and to output a signal on which the output signal is based selected from the received signals based on a second control signal provided to the multiplexer circuit and a control circuit arranged to provide the first control signal and the second control signal based on the divide ratio. A phase locked loop circuit a transceiver circuit a radio station and a method of frequency dividing an oscillating signal are also provided.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043660 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYNGAS PRODUCTION VIA CYCLIC REDUCTION AND OXIDATION METAL OXIDES

(51) International classification :C10G2/00,C10J3/72
(31) Priority Document No :14/799559
(32) Priority Date :14/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/042027
Filing Date :13/07/2016
(87) International Publication No :WO 2017/011520
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)FLYNN Thomas
4)DEVAULT Douglas

(57) Abstract :
A chemical looping system utilizes oxygen earner particles to produce syngas from carbonaceous fuels. The system provides a circuitous flow path for the oxygen carrier particles which are used to partially oxidize the fuel to produce syngas. The circuitous flow path can proceed through a plurality of unit operations including a reducer a conversion reactor an oxidizer and a combustor. The conversion reactor is designed to partially oxidize carbonaceous fuel in co current flow with the oxygen carrier particles to produce syngas. In embodiments including an oxidizer the oxidizer is designed to at partially re oxidize the carrier particles yielding hydrogen that can be mixed with partially oxidized products from the conversion reactor to adjust syngas quality. Reactions carried out in the combustor are highly exothermic and yield thermal energy that is absorbed by the carrier particles. The absorbed energy is used at other parts of the process including the conversion reactor to drive endothermic reactions.

No. of Pages : 24 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043787 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PARTICULATE MATTER SENSOR AND EXHAUST GAS PURIFICATION SYSTEM HAVING SAME

(51) International classification	:G01N15/10,G01N27/30,G01N1/22
(31) Priority Document No	:1020150081397
(32) Priority Date	:09/06/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2016/006044 :08/06/2016
(87) International Publication No	:WO 2016/200132
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)OH Soo Min
3)KIM Eun Ji
4)HONG Sung Jin

(57) Abstract :
A particulate matter sensor is provided. A particulate matter sensor according to an exemplary embodiment of the present invention comprises: an insulating substrate; a first electrode unit that is formed on a surface of the insulating substrate and that includes a rim electrode and a plurality of spaced electrodes that are not electrically connected to the rim electrode; a second electrode unit that is disposed inside the insulating substrate and spaced apart from the first electrode unit and that includes a plurality of capacitor electrodes wherein the capacitor electrodes are electrically connected to one another so that capacitance of the first electrode unit can be measured; and a heater unit that is disposed inside the insulating substrate and that provides heat for removing particulate matter deposited on a sensing unit wherein the spaced electrodes include the sensing unit on which particulate matter is deposited and a capacitor unit for measuring capacitance the spaced electrodes and the rim electrode are electrically connected when particulate matter is deposited and thereby the capacitance between the first electrode unit and the second electrode unit can be measured.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043796 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS USED IN CONTROL NODE AND RADIO NODE AND ASSOCIATED DEVICES

(51) International classification :H04W72/08
(31) Priority Document No :PCT/CN2015/082500
(32) Priority Date :26/06/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/087042
Filing Date :24/06/2016
(87) International Publication No :WO 2016/206627
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(57) Abstract :
The present disclosure discloses a method used in a control node and an associated control node. The method includes selecting one or more client radio nodes based on a Directional Link Interference Map (DLIM) for all active links under control of the control node wherein each of the one or more client radio nodes is served by a server radio node under control of the control node and there is an active link between each of the one or more client radio nodes and its server radio node; for each of the selected one or more client radio nodes determining one or more candidate links between the client radio node and other radio nodes wherein the one or more candidate links are other than an active link between the client radio node and its server radio node and one of the one or more candidate links have possibilities to be established for replacing the active link; for each of the determined candidate links and all active links under control of the control node determining a set of sounding and sensing related parameters wherein the determined set of sounding and sensing related parameters includes a set of dedicated sounding and sensing related parameters for the link and a set of common sounding and sensing related parameters for all of the determined candidate links and all active links under control of the control node and wherein the set of common sounding and sensing related parameters includes a sounding and sensing period and a sounding and sensing interval; and transmitting the determined set of sounding and sensing related parameters for each of the determined candidate links and all active links to a transmitting node and a receiving node of the link. The present disclosure further discloses a method used in a radio node under control of a control node and an associated radio node.

No. of Pages : 46 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043802 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MITO HONOKIOL COMPOUNDS AND METHODS OF SYNTHESIS AND USE THEREOF

(51) International classification :A61K31/085,A61K31/09,C07C39/02
(31) Priority Document No :62/174185
(32) Priority Date :11/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036827
Filing Date :10/06/2016
(87) International Publication No :WO 2016/201188
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)HARDY Micael J.
4)OUARI Oliver
5)YOU Ming

(57) Abstract :
The present invention provides mito honokiol compounds pharmaceutical compositions thereof and methods of using the mito honokiol compounds in the treatment of cancer.

No. of Pages : 40 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017
(21) Application No.201717043519 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : INDIVIDUALIZED SEARCH DEVICE AND METHOD BASED ON COMMODITY IMAGE FEATURES

(51) International classification :G06Q30/02
(31) Priority Document No :201510303163.1
(32) Priority Date :05/06/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/079042
Filing Date :12/04/2016
(87) International Publication No :WO 2016/192465
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BU Ruguo
2)MOU Chuan

(57) Abstract :
Disclosed is an individualized search device (1) based on commodity image features comprising: a feature extraction module (2) for utilizing a neural network model to extract abstract semantic feature vectors of an image; a category image calculation module (3) for respectively calculating a mean value and a variance under each dimension for the abstract semantic feature vectors of the dimension and performing normalization processing according to each dimension; a user browsing behaviour weight calculation module (4) for extracting the corresponding normalized abstract semantic feature vectors of an image browsed by a user according to categories and summing same to obtain an interest weight vector of the user under each category; a sorting module (5) for performing the inner product of feature vectors corresponding to images which are not viewed by each user under a certain category according to the interest weight vector of the user under the category to obtain a score value corresponding to each image performing sorting according to the score value and choosing a specified number of images with a higher score value and then storing same in a library; and a search invoking module (6) for performing an individualized search according to a sorting value result.

No. of Pages : 9 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043559 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CLIPS FOR DEVICES FOR JOINING THE ENDS OF A CONVEYOR BELT

(51) International classification :F16G3/02,F16G3/04
(31) Priority Document No :15/01342
(32) Priority Date :25/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051423
Filing Date :13/06/2016
(87) International Publication No :WO 2016/207512
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)JAKOB Horst

(57) Abstract :
The invention relates to clips (1) which comprise a generally U shaped part intended for being attached so as to straddle one end of a conveyor belt with the curved front portion or nose (1) of the clip projecting beyond same. A tube (3) intended for being attached in the front concave portion (1) of each clip comprises attached to the side ends thereof two flanges (4) of a bracket (4). Said flanges (4) are joined at the rear by a linking portion (4). The flanges are attached by threading bores (4b) on the side ends of the tube (3). The arms (2 2) of the clips are provided with through holes (7) intended for rod attachment means (5). The arms (2 2) of every second clip are of different lengths.

No. of Pages : 8 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043562 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : INFLUENZA VIRUS NEUTRALIZING PEPTIDOMIMETIC COMPOUNDS

(51) International classification :C07K7/56,A61K38/12,A61P31/16
(31) Priority Document No :62/159833
(32) Priority Date :11/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/060438
Filing Date :10/05/2016
(87) International Publication No :WO 2016/180826
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)BUYCK Christophe Francis Robert Nestor
3)SCHEPENS Wim Bert Griet
4)JURASZEK Jaroslaw
5)KESTELEYN Bart Rudolf Romanie
6)RABOISSON Pierre Jean Marie Bernard
7)BRANDENBURG Boerries

(57) Abstract :
The present invention relates to novel peptidomimetic compounds that are capable of binding to and/or neutralizing influenza viruses in particular influenza A viruses of phylogenetic group 1 and to pharmaceutical compositions comprising such compounds. The invention also relates to the use of the peptidomimetic compounds in the diagnosis prophylaxis and/or treatment of influenza virus infections.

No. of Pages : 32 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043563 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEM FOR TRANSPORTING OBJECTS TO OCEAN STRUCTURES

(51) International classification :B63B23/34,B63B23/38,B63B27/36
(31) Priority Document No :15506132
(32) Priority Date :12/05/2015
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2016/050425
Filing Date :11/05/2016
(87) International Publication No :WO 2016/182499
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)VON HELAND Fredrik

(57) Abstract :
The invention provide a system (1) for transporting object (2a 2b) from a sea level position (A1) to an elevated position (B) on a structure (3) wherein the sea level position (A1) is movable in relation to the elevated position. The system (1) comprises an elongated guide device (4) configured to be arranged to the structure (3) in one end and to extend below the sea level with a second end an attachment device (5) configured to be arranged on said object (2a 2b) and for attaching said object (2a 2b) to the elongated guide device (4) wherein the attachment device (5) is configured to allow a relative movement between the attachment device (5) and the elongated guide device (4) along a first direction parallel to the extension direction of the guide device and a lifting device (8) configured to transport the object (2a 2b) from the sea level position to the elevated position. The system is characterized in that a weight (6) is arranged to the second end of the guide device (4) below the sea level for stabilizing the guide device (4) wherein the second end is a free end and the weight (6) s a free weight.

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043138 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ROBUST ENCODING/DECODING OF ESCAPE CODED PIXELS IN PALETTE MODE

(51) International classification :H04N19/124,H04N19/33
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2015/081039
Filing Date :09/06/2015
(87) International Publication No :WO 2016/197314
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LI Bin
2)XU Jizheng

(57) Abstract :
Approaches to robust encoding and decoding of escape coded pixels in a palette mode are described. For example sample values of escape coded pixels in palette mode are encoded/decoded using a binarization process that depends on a constant value of quantization parameter (QP) for the sample values. Or as another example sample values of escape coded pixels in palette mode are encoded/decoded using a binarization process that depends on sample depth for the sample values. Or as still another example sample values of escape coded pixels in palette mode are encoded/decoding using a binarization process that depends on some other fixed rule. In example implementations these approaches avoid dependencies on unit level QP values when parsing the sample values of escape coded pixels which can make encoding/decoding more robust to data loss.

No. of Pages : 51 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043144 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SOLID STATE BIPOLAR BATTERY

(51) International classification :H01M4/06,H01M4/48,H01M10/24
(31) Priority Document No :62/170959
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036010
Filing Date :06/06/2016
(87) International Publication No :WO 2016/197098
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ZIMMERMAN Michael A.
2)LEISING Randy

(57) Abstract :
A bipolar battery having a solid ionically conductive polymer material as its electrolyte enabling high voltage discharge.

No. of Pages : 32 No. of Claims : 68

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043145 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SAFETY DEVICE FOR A VEHICLE DOOR HANDLE

(51) International classification :E05B77/06,E05B85/10
(31) Priority Document No :15177514.5
(32) Priority Date :20/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/059969
Filing Date :04/05/2016
(87) International Publication No :WO 2017/012728
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ILARDO Simone

(57) Abstract :
The invention relates to a safety device for a vehicle door handle the device comprising: an activation element (2) configured to activate a latch wherein a collision on the safety may cause the activation element (2) to activate the latch a blocking element (3) configured as a result of the collision to rotate around a blocking axis (30) from a disengaged position to a blocking position in which the blocking element (3) is intended to block the activation element (2) at a blocked position wherein the activation element (2) comprises a receiving part (4) and the blocking element (3) comprises a blocking part (32) engaging the receiving part (4) in the blocking position wherein during the collision the blocking part (32) cooperates successively with a first interception wall (42) a second interception wall (41) and a blocking wall (40) of the receiving part. The invention further relates to the corresponding handle.

No. of Pages : 11 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043168 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ORTHOGNATHIC SAW AND POSITIONING IMPLANT

(51) International classification	:A61B17/80,A61B17/17,A61B34/10
(31) Priority Document No	:10 2015 107 484.2
(32) Priority Date	:12/05/2015
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2016/054988 :09/03/2016
(87) International Publication No	:WO 2016/180557
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)WAIZENEGGER Axel

(57) Abstract :
The invention relates to a bone fusion implant (1) for fusing a first bone region (2) to a second bone region (3) of a mammalian bone (4) comprising a first fixing region (6) which has multiple fixing means receiving holes (5a) and which is provided for attaching to the first bone region (2) and comprising a second fixing region (7) which is connected to the first fixing region (6). The second fixing region (7) has multiple securing means receiving holes (5b) and is provided for attaching to the second bone region (3) and a cutting tool guiding contour (9) which specifies a severing line (8) is formed between the first and the second fixing region (6 7). The invention also relates to a method for the individualized production of such a bone fusion implant (1).

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043185 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : APPARATUS AND METHOD FOR DISSECTING AND COAGULATING TISSUE

(51) International classification :A61B17/32,A61B17/24
(31) Priority Document No :14/739792
(32) Priority Date :15/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035958
Filing Date :06/06/2016
(87) International Publication No :WO 2016/204997
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)KIMBALL Cory G.

(57) Abstract :
A surgical instrument (10) for cutting and coagulating tissue is provided that includes an elongate sheath (14) and an ultrasonic blade (12). In one embodiment an ultrasonic blade (12) is positioned within a sheath (14) such that movement of the sheath (14) relative to the blade (12) results in the dissection and/or coagulation of tissue therebetween. In another embodiment an ultrasonic blade (12) is positioned within a sheath (14) such that movement of the blade (12) relative to the sheath (14) results in the dissection and/or coagulation of tissue therebetween. The size and shape of distal ends of the blade (12) and sheath (14) determine the size and shape of the tissue being cut and/or removed from a body.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043661 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : BEVERAGE PREPARATION SYSTEMS WITH ADAPTABLE BREW CHAMBERS

(51) International classification :A47J31/00
(31) Priority Document No :14/741050
(32) Priority Date :16/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036700
Filing Date :09/06/2016
(87) International Publication No :WO 2016/205072
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)GALE Peter

(57) Abstract :
Various beverage preparation systems components and methods are disclosed. In some embodiments the system includes a brewer machine and a beverage pod. The brewer machine can include a brew chamber unit which can receive the beverage pod. The brew chamber unit can be adapted to receive multiple beverage pod types. Some embodiments include a drawer that includes the brew chamber and that moves to present the brew chamber unit to a user. Certain embodiments include locking mechanisms.

No. of Pages : 89 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043663 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND DEVICE FOR TRANSFERRING A DECORATIVE SEGMENT OF AN EMBOSSING FILM

(51) International classification :B44B5/02,B44C1/17,B41F16/00
(31) Priority Document No :10 2015 110 077.0
(32) Priority Date :23/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/062291
Filing Date :31/05/2016
(87) International Publication No :WO 2016/206926
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)MANNSFELD Tibor
3)AMMON Gerhard
4)LCHNER Thomas

(57) Abstract :
The invention relates to a method for transferring a decorative segment (3d) of an embossing film (3) onto a substrate (2) by means of an embossing stamp (6) wherein the embossing film (3) comprises a carrier film (31) and a transfer layer (33) arranged on the carrier film (31). The method comprises the following steps: a) providing the embossing film (3); b) embossing or pressing at least one compression segment (8v) spaced apart from the edge of the decorative segment (3d) into the transfer layer (33); c) embossing the decorative segment (3d) onto the substrate (2); d) removing the remaining embossing film (3r) from the substrate (2) which has been embossed with the decorative segment (3d). The invention further relates to a device for performing the method.

No. of Pages : 23 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043673 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : WATER HAMMER PROOF AIR VALVE AND WATER HAMMER PROOF EXHAUST METHOD FOR IN USE PIPELINE

(51) International classification :F16K47/02,F16K47/08,F16K1/14
(31) Priority Document No :201510304974.3
(32) Priority Date :05/06/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/083881
Filing Date :30/05/2016
(87) International Publication No :WO 2016/192603
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)YIN Jianguo
5)XU Qiuhong
6)XIE Aihua
7)TANG Aihua

(57) Abstract :
Disclosed is a water hammer air valve comprising a valve body (1) and a bonnet (2). The valve body (1) and the bonnet (2) are fixedly connected a valve opening (3) for communicating with a pipeline is provided on the valve body (1) and a high speed intake and exhaust device (4) is provided in an inner chamber of the valve body (1) for discharging a gas retained in the pipeline during filling of water to the outside and closing the valve after the filling of water in the pipeline is completed. A bonnet opening is provided on the bonnet (2) an output end of the high speed intake and exhaust device (4) penetrates the bonnet opening and communicates with a high speed exhaust throttling device (5) for limiting the exhaust volume of the high speed intake and exhaust device (4) an output end of the high speed exhaust throttling device (5) is in communication with the outside air and a trace exhaust device (6) is further provided in the high speed intake and exhaust device (4) for discharging the gas separated from the pipeline to the outside through the high speed exhaust throttling device (5) after the high speed intake and exhaust device (4) closes the valve. Further disclosed is a water hammer proof exhaust method for an in use pipeline. The purposes of water hammer reduction and pipeline safety protection are achieved the blowing blocking phenomenon during high speed exhaust is avoided and a valve closing water hammer can be eliminated.

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043707 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : BOTTLE COMPRISING A SECURITY CLOSURE

(51) International classification	:B65D41/62,B65D55/02,B65D55/06
(31) Priority Document No	:15/55703
(32) Priority Date	:22/06/2015
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/FR2016/051530 :22/06/2016
(87) International Publication No	:WO 2016/207549
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ROUCOU Jean Franois

(57) Abstract :
The invention relates to a bottle (1) for containing a drink such as an alcoholic drink. Said bottle comprises a body (10) a top end of which comprises a neck (12). The neck of the bottle ends in an aperture and receives a cork (14). The bottle (1) is provided with a security closure. Said security closure comprises: a security label (15) a first portion (15a) of which is glued to the cork (14) and a second portion (15b) of which is glued onto the neck (12) of the bottle and a cap (13) that at least partially covers the cork (14) and that covers the neck (12) of the bottle at least in part. Said cap also covers the security label (15) at least in part. The security label (15) also comprises: a bottom portion (15d) that extends beyond a bottom edge (13c) of the cap (13) and carries a first code (15e) for example an optical read code the first code (15e) representing a unique identifier of the bottle (1) and a top portion (15f 15h) that is covered by the cap (13) is glued to the cork (14) and carries a second code (15g) for example an optical read code the second code representing a unique identifier of the cork (14).

No. of Pages : 10 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043803 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TIGIT BINDING AGENTS AND USES THEREOF

(51) International classification :C07K14/47,C07K16/18
(31) Priority Document No :62/167582
(32) Priority Date :28/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034549
Filing Date :27/05/2016
(87) International Publication No :WO 2016/191643
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)XIE Ming Hong

(57) Abstract :
Agents that specifically bind TIGIT are disclosed. The TIGIT binding agents may include polypeptides antibodies and/or bispecific agents. Also disclosed are methods of using the agents for enhancing the immune response and/or treatment of diseases such as cancer.

No. of Pages : 157 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043818 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NEW CRYSTAL FORM OF LENVATINIB METHANESULFONATE SALT AND PREPARATION METHOD THEREOF

(51) International classification	:C07D215/48,A61K31/47,A61P35/00
(31) Priority Document No	:201510263300.3
(32) Priority Date	:21/05/2015
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2016/085360 :08/06/2016
(87) International Publication No	:WO 2016/184436
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)ZHANG Yanfeng
3)DIAO Xiaojuan
4)ZHANG Xiaoyu

(57) Abstract :
The present invention relates to a new crystal form of a Lenvatinib methanesulfonate salt and a preparation method thereof. The new crystal form of the Lenvatinib methanesulfonate salt provided in the present invention can be used for treating invasive and differentiated thyroid cancer. The new crystal form of the Lenvatinib methanesulfonate salt provided in the present invention has a good solubility and stability significant effects in the purification process a simple preparation method and low cost and has an important value for the optimization and development of this drug in future.

No. of Pages : 10 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043820 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS AND DEVICES TO DETECT STROKE IN A SUBJECT

(51) International classification	:C12Q1/00,G01N33/53,G01N33/543
(31) Priority Document No	:1509973.2
(32) Priority Date	:09/06/2015
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/GB2016/051638 :03/06/2016
(87) International Publication No	:WO 2016/198838
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)TIAN Faming

(57) Abstract :
The invention describes a method of determining the presence of acute cerebral ischaemic disorder in a subject comprising: a. measuring the concentration of one or more purines in a body fluid of the subject the purines being selected from adenosine inosine hypoxanthine xanthine and ATP and b. comparing the measured concentration with a threshold concentration of the one or more purines wherein the threshold concentration is preferably in the range 5 to 15 and wherein a measured concentration higher than the threshold concentration indicates the presence of acute ischaemic disorder. Also is described a method of determining the absence of an acute cerebral disorder in a subject comprising: a. measuring the concentration of one or more purines in a body fluid of the subject the purines being selected from adenosine inosine hypoxanthine xanthine and ATP and b. comparing the measured concentration with a threshold concentration of the one or more purines wherein the threshold concentration is preferably below 4 and wherein a measured concentration lower than the threshold concentration indicates the absence of acute cerebral ischaemic disorder.

No. of Pages : 28 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043865 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A METHOD OF MAKING A SYNCHRONOUS SHIFT BETWEEN TWO MODES OF A MULTI MODE CONTINUOUSLY VARIABLE TRANSMISSION USING A BALL VARIATOR AND A DOG STYLE CLUTCH OR SYNCHRONIZER

(51) International classification :F16H15/26,F16H37/02
(31) Priority Document No :62/181588
(32) Priority Date :18/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038064
Filing Date :17/06/2016
(87) International Publication No :WO 2016/205639
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MCINDOE Gordon

(57) Abstract :
An electronic controller is described herein that enables electronic control over a variable ratio transmission comprising a continuously variable ratio portion such as a Continuously Variable Transmission (CVT) Infinitely Variable Transmission (IVT) or variator. The electronic controller is configured to receive input signals indicative of parameters associated with a prime mover or an engine coupled to the transmission. The parameters include throttle position sensor values vehicle speed gear selector position user selectable mode configurations and the like or some combination thereof. The electronic controller also receives one or more control inputs. The electronic controller determines an active range and an active variator mode based on the input signals and control inputs. The electronic controller controls a final drive ratio of the variable ratio transmission by controlling one or more electronic actuators and/or solenoids that control the ratios of one or more portions of the variable ratio transmission.

No. of Pages : 15 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043881 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MONITORING APPARATUS AND MONITORING METHOD

(51) International classification :G01N33/30
(31) Priority Document No :201510233934.4
(32) Priority Date :08/05/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/081066
Filing Date :05/05/2016
(87) International Publication No :WO 2016/180263
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LI Jingyuan
3)GINIES Pierre
4)DEWITTE Philippe
5)FAN Liang
6)WANG Dongdong
7)ZHANG Leping

(57) Abstract :
Provided is a monitoring apparatus used to monitor lubricating oil inside a compressor. The monitoring apparatus comprises a first capacitance detector (100) a calculation unit and a determining unit. The first capacitance detector (100) is disposed in a compressor (10) and is completely immersed in lubricating oil (20) inside the compressor (10) and is used to detect a first capacitance value (C11). The calculation unit calculates a relative dielectric constant of the lubricating oil inside the compressor according to the first capacitance value (C11) detected by the first capacitance detector (100). The determining unit monitors according to the calculated relative dielectric constant whether quality of the lubricating oil (20) inside the compressor (10) encounters an exception. Further provided are a method for monitoring quality of lubricating oil inside a compressor and an apparatus and a method for monitoring a fluid level of lubricating oil inside a compressor. The monitoring apparatus and method may accurately monitors quality and a fluid level of lubricating oil inside a compressor thereby reducing a monitoring cost and improving monitoring accuracy.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043889 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CHILLED PRODUCT POST PROCESSING APPARATUS AND METHODS

(51) International classification :A23G9/12,A23G9/22,A23G9/28
(31) Priority Document No :14/730549
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031994
Filing Date :12/05/2016
(87) International Publication No:WO 2016/195953
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)THROCKMORTON David J.
3)DICKSON Thomas D. Jr.
4)BYTHEWAY David Q.
5)MAXFIELD Bradley S.
6)BAUER Evan J.

(57) Abstract :
A method of processing a chilled food product includes providing a product in a storage container wherein the product has a frozen portion and a non frozen portion in the storage container and the frozen portion has a granular size. The method also includes mixing the frozen portion of the product with the non frozen portion of the product within the storage container flowing the frozen portion and non frozen portion into contact with a shearing apparatus and shearing at least the frozen portion with the shearing apparatus thereby reducing the granular size of the frozen portion. This method and similar systems and machines may refine and process chilled food products such as smoothies and slushes to have a smoother and more even consistency.

No. of Pages : 31 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043898 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NRF2 REGULATORS

(51) International classification :C07D417/10,C07D403/10,C07D249/04
(31) Priority Document No :62/175510
(32) Priority Date :15/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2016/085806
Filing Date :15/06/2016
(87) International Publication No :WO 2016/202253
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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7)LI Tindy
8)LAKDAWALA SHAH Ami
9)DAVIS Roderick S.
10)NORTON David
11)GOODWIN Nicole Cathleen
12)JIN Yun
13)HAMILTON Paris L.
14)BOEHM Jeffrey Charles

(57) Abstract :
Provided are aryl analogs pharmaceutical compositions containing them and their use as NRF2 regulators.

No. of Pages : 578 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043900 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PURIFYING CONTAMINATED POLYMERS

(51) International classification :C08J11/08,C08F6/00,B29B17/02
(31) Priority Document No :62/186500
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038867
Filing Date :23/06/2016
(87) International Publication No :WO 2017/003798
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)LAYMAN John Moncrief
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3)SCHONEMANN Hans
4)WILLIAMS Kara

(57) Abstract :
A method for purifying a reclaimed polymer such as a polymer reclaimed from post consumer use or post industrial use is disclosed. The method involves obtaining the reclaimed polymer and dissolving it in a solvent at an elevated temperature and pressure to produce a polymer solution which is purified at an elevated temperature and pressure by contacting the polymer solution with solid media to produce a purer polymer solution. A purer polymer is then separated from the purer polymer solution.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043901 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PURIFYING CONTAMINATED POLYMERS

(51) International classification :C08J11/08,C08F6/00,B29B17/02
(31) Priority Document No :62/186493
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038865
Filing Date :23/06/2016
(87) International Publication No :WO 2017/003797
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)WILLIAMS Kara

(57) Abstract :
A method for purifying a reclaimed polymer such as a polymer reclaimed from post consumer use or post industrial use is disclosed. The method involves obtaining the reclaimed polymer and contacting it at an elevated temperature and pressure with a fluid solvent to produce an extracted reclaimed polymer. The extracted reclaimed polymer is dissolved in a solvent at an elevated temperature and pressure to produce a polymer solution which is purified at an elevated temperature and pressure by contacting the polymer solution with solid media to produce a purer polymer solution. A purer polymer is then separated from the purer polymer solution.

No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/08/2017

(21) Application No.201717027876 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEVICE FOR CONTINUOUSLY HEATING COIL SPRING AND METHOD FOR CONTINUOUSLY HEATING COIL SPRING USING SAME

(51) International classification :H05B6/10,H05B6/36,C21D1/10
(31) Priority Document No :1020160060260
(32) Priority Date :17/05/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/008133
Filing Date :26/07/2016
(87) International Publication No :WO 2017/200144
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CHUNG Chan Ki

(57) Abstract :
The present invention relates to a device for continuously heating a coil spring the device comprising: a pair of tapered rollers (20) which support and rotate a coil spring (10) the diameters of the cross sections of which increase from the front ends toward the distal ends and the rotation shafts of which are not parallel to each other but the rotating inner sides of which are disposed parallel to each other; an electric induction coil (31) for heating the coil spring (10); a conveyor chain (43) to which a pushing means (41) for carrying the coil spring (10) is installed; and a power unit (60) providing a rotation driving force to the pair of tapered rollers (20).

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/10/2017

(21) Application No.201717037164 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND DEVICE FOR THE MODEL BASED OPTIMIZATION OF A TECHNICAL APPARATUS

(51) International classification :F02D41/26,G06F11/00
(31) Priority Document No :10 2015 207 252.5
(32) Priority Date :21/04/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/058908
Filing Date :21/04/2016
(87) International Publication No :WO 2016/170063
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KORDON Michael
2)KOZLIK Christian
3)KLUMAIER Kurt
4)

(57) Abstract :
The invention relates to a method for the model based optimization in particular calibration of a technical apparatus in particular an internal combustion engine. The method comprises the following work steps: sensing at least one first parameter in relation to the technical apparatus to be optimized which at least one first parameter characterizes a physical quantity; performing a first determination of at least one second parameter in relation to the technical apparatus to be optimized by means of at least one first physical model which characterizes at least one known physical relationship and for which the at least one first parameter is an input parameter; performing a second determination of at least one third parameter by means of at least one first empirical model which is based on measurements performed on a plurality of already known technical apparatuses of the same type in particular internal combustion engines and for which at least the at least one second parameter is an input parameter wherein the at least one third parameter is suitable for characterizing the technical apparatus to be optimized and/or for making a change to the technical apparatus to be optimized on the basis of the at least one third parameter in particular for adjusting the control of the technical apparatus to be optimized; and outputting the at least one third parameter.

No. of Pages : 52 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043906 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FLAME RETARDANT AND AUTO CATALYTIC POLYESTERS FOR POLYURETHANES

(51) International classification :C08G63/685,C08G63/91,C08G18/42
(31) Priority Document No :62/167390
(32) Priority Date :28/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/062124
Filing Date :30/05/2016
(87) International Publication No :WO 2016/189165
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)CHANG Wally Liyuan

(57) Abstract :
Flame retardant polyesters obtainable by reacting an aromatic or aliphatic dicarboxylic acid and/or ester of anhydride thereof with an aliphatic polyol or mixtures thereof and with melamine are provided. Methods of making said polyesters are also provided.

No. of Pages : 23 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043927 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : APPARATUS SYSTEM AND METHOD OF DETERMINING ONE OR MORE OPTICAL PARAMETERS OF A LENS

(51) International classification :G01M11/02,G01B9/00
(31) Priority Document No :62/159295
(32) Priority Date :10/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/052673
Filing Date :10/05/2016
(87) International Publication No :WO 2016/181310
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)LIMON Ofer
2)BACHAR Haim
3)ALTMARK Nir
4)LEVY Shahar

(57) Abstract :
Some demonstrative embodiments include apparatuses systems and/or methods of determining one or more optical parameters of a lens of eyeglasses. For example a product may include one or more tangible computer readable non transitory storage media including computer executable instructions operable to when executed by at least one computer processor enable the at least one computer processor to implement operations of determining one or more optical parameters of a lens of eyeglasses. The operations may include processing at least one image of an object captured via the lens; and determining the one or more optical parameters of the lens based on the at least one image.

No. of Pages : 68 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043938 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ALUMINUM CONTAINING ADJUVANT COMPOSITION AND VACCINE COMPOSITION CONTAINING SAME

(51) International classification :A61K39/39,A61K39/00,A61K47/02
(31) Priority Document No :2015112519
(32) Priority Date :02/06/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/065216
Filing Date :23/05/2016
(87) International Publication No :WO 2016/194685
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SAKAGUCHI Naoki

(57) Abstract :
The present invention relates to an adjuvant composition comprising a pH sensitive carrier and an aluminum containing substance. According to the present invention an adjuvant can be provided which is highly safe and can induce cell mediated immunity effectively through cross presentation.

No. of Pages : 144 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043952 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PREDICTING THE DURATION OF A POSSIBLE COASTING PHASE OF A VEHICLE HAVING A COASTING FUNCTION

(51) International classification	:B60W50/00,B60W30/18,B60W30/14
(31) Priority Document No	:10 2015 214 436.4
(32) Priority Date	:30/07/2015
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/DE2016/200329 :21/07/2016
(87) International Publication No	:WO 2017/016558
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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(57) Abstract :
The invention relates to a method for predicting the duration of a possible coasting phase of a vehicle having a coasting function in which a clutch is disengaged and engaged again as the vehicle is in motion. In said method the duration (dtbr) of the future coasting phase is deduced from an expected driver input (G1) and an expected vehicle behavior (G2).

No. of Pages : 7 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043959 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SERVICE TRANSMISSION METHOD TERMINAL AND NETWORK DEVICE

(51) International classification :H04W48/08
(31) Priority Document No :201510413529.0
(32) Priority Date :14/07/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/082382
Filing Date :17/05/2016
(87) International Publication No :WO 2017/008573
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ZENG Yuanqing

(57) Abstract :
Embodiments of the present invention provide a service transmission method. The method uses multiple radio access technologies and comprises: a terminal receives network capabilities of multiple radio access technologies; the terminal selects at least two radio access technologies from the multiple radio access technologies for services of the terminal according to the network capabilities; and the terminal performs transmission of the services by using the at least two radio access technologies. In the embodiments of the present invention a terminal selects at least two radio access technologies for services so as to avoid manual setting by a user thereby improving the performance and convenience of multiple radio access technologies.

No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043962 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HETERODIMERIC ANTIBODIES THAT BIND CD3 AND TUMOR ANTIGENS

(51) International classification :A61K39/00,C07K16/28,C07K16/30
(31) Priority Document No :62/159111
(32) Priority Date :08/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/029797
Filing Date :28/04/2016
(87) International Publication No :WO 2016/182751
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)BERNETT Matthew
4)CHU Seung
5)RASHID Rumana
6)MUCHHAL Umesh
7)LEE Sung Hyung

(57) Abstract :
The present invention is directed to novel heterodimeric antibodies.

No. of Pages : 84 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043977 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SURGICAL SYSTEM WITH USER ADAPTABLE TECHNIQUES EMPLOYING MULTIPLE ENERGY MODALITIES BASED ON TISSUE PARAMETERS

(51) International classification :A61B18/12,A61B18/14,A61B17/29
(31) Priority Document No :62/186984
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/039220
Filing Date :24/06/2016
(87) International Publication No :WO 2017/003853
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)YATES David C.
4)HOUSER Kevin L.
5)ASHER Ryan M.
6)SHELTON IV Frederick E.
7)MESSERLY Jeffrey D.
8)STROBL Geoffrey S.
9)DENZINGER Kristen G.

(57) Abstract :
Various forms are directed to systems and methods for dissection and coagulation of tissue. A method for detecting a short circuit in a surgical system configured to apply radio frequency energy and ultrasonic energy to a target surgical site that includes delivering radio frequency (RF) energy to an electrode of a surgical instrument transitioning from delivering the RF energy to delivering ultrasonic energy to an ultrasonic blade of the surgical instrument delivering an exploratory ultrasonic pulse to the ultrasonic blade measuring an ultrasonic property of tissue engaged by the surgical instrument wherein the ultrasonic property is associated with the exploratory ultrasonic pulse determining whether the measured ultrasonic property is consistent with a behavior of low impedance tissue and delivering ultrasonic energy to the ultrasonic blade to cut the tissue upon determining that the measured ultrasonic property is consistent with ultrasonic energy being applied to low impedance tissue.

No. of Pages : 86 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043985 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HEATING ELEMENT FOR A SHAVING RAZOR

(51) International classification :B26B21/48,B26B21/40,H05K1/02
(31) Priority Document No :15173954.7
(32) Priority Date :25/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/US2016/038289
Filing Date :20/06/2016
(87) International Publication No :WO 2016/209747
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BROEMSE Norbert
2)HEUBACH Klaus

(57) Abstract :
A heating element 16 for a shaving razor 10 having an insulating member 42 with a base 74 and at least one electrical terminal 60. A flexible printed circuit board 34 having a base 76 with at least one electrical terminal 54 electrically and mechanically coupled to the corresponding electrical terminal of the insulating member. A non electrically conductive underfiller encapsulant 72 is positioned between the base of the insulating member and the base of the flexible printed circuit board to provide a water tight seal around the electrical terminals.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043988 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONVERTER VALVE FAULT WARNING METHOD AND SYSTEM

(51) International classification :H02J13/00,G01R31/08
(31) Priority Document No :201610123470.6
(32) Priority Date :03/03/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/075367
Filing Date :01/03/2017
(87) International Publication No :WO 2017/148396
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FANG Taixun
3)WANG Yongping
4)ZHANG Xiang
5)PAN Weiming
6)YUAN Ming
7)ZHOU Guqing

(57) Abstract :
Disclosed in the present invention is a converter valve fault warning method. The method comprises: in a preset time range recording time information of a state indication signal fed back by each thyristor control unit of a converter valve; performing statistics collection on and making comparison among pieces of time information by using a deviation statistics collection method; marking a thyristor level corresponding to a deviation exceeding a preset value; and determining the fault occurrence possibility on the thyristor according to the marking result. Also disclosed in the present invention is a converter valve fault warning system. The converter valve fault warning system comprises a register array used for storing deviation data of each thyristor level of a converter valve and comprises a high speed processor used for processing a state indication signal fed back by a thyristor control unit by using a deviation statistics collection method. By means of the solution a thyristor level having a high fault occurrence possibility can be recognized warning is carried out in advance and the solution can be used as a basis for replacing a device thereby reducing the possibility of operation stop of a direct current system due to the fault of the thyristor level; and the solution can also be used as a reference for optimizing converter valve device performance and a circuit design.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043993 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : RAZOR BLADE STEEL

(51) International classification :C21D6/00,B26B21/56,B26B21/58
(31) Priority Document No :14/737074
(32) Priority Date :11/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036279
Filing Date :08/06/2016
(87) International Publication No :WO 2016/200848
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)XU Ming Laura
2)WHITE Charles Samuel
3)FUKUZAWA Norihide
4)UENO Tomonori

(57) Abstract :
The present invention provides a razor blade steel and method of forming a razor blade from a steel which has a high hardness but is also ductile after being subjected to a heat treatment and bending process. The novel razor blade steel has Molybdenum (Mo) content of between about 1.6% to about 5% in weight percent of composition. The razor blade comprises substantially no tempered carbide tempered carbide of about 0.1 m or smaller and substantially no cracks in a bent portion. One embodiment of the novel razor blade steel has a composition comprising in weight percent about 0.45% to about 0.55% of C about 0.4% to about 1.0% of Si about 0.5% to about 1.0% of Mn and about 12% to about 14% of Cr and further includes Mo in an amount of about 2.1% to about 2.8%.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717044005 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COMPOSITIONS AND METHODS FOR TREATING CELIAC SPRUE DISEASE

(51) International classification	:A61K38/16,A61K38/48,C12N9/52
(31) Priority Document No	:62/172557
(32) Priority Date	:08/06/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/036356 :08/06/2016
(87) International Publication No	:WO 2016/200880
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)PULTZ Ingrid Swanson
2)WOLF Clancey
3)SIEGEL Justin Bloomfield
4)TINBERG Christine Elaine
5)STEWART Lance
6)BAKER David

(57) Abstract :
Polypeptides and methods for their use are disclosed that have an amino acid sequence at least 75% identical to the amino acid sequence of SEQ ID NO: 1 are provided wherein (a) the polypeptide degrades a PFQPQLPY (SEQ ID NO: 140) peptide and/or a PFPQPQQPF (SEQ ID NO: 68) at pH 4; (b) residue 467 is Ser residue 267 is Glu and residue 271 is Asp; and (c) the polypeptide comprises an amino acid change from SEQ ID NO: 1 at one or more residues selected from the group consisting of 221 262E 268 269 270 319A 320 354E/Q/R/Y 358S/Q/T 368F/Q 399 402 406 424 449 461 463 105 171 172 173 174 and 456.

No. of Pages : 69 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717044016 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FRICTION CLUTCH DEVICE

(51) International classification :F16D13/58
(31) Priority Document No :10 2015 214 947.1
(32) Priority Date :05/08/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2016/200245
Filing Date :23/05/2016
(87) International Publication No :WO 2017/020897
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :Industriestrae 1 3 91074 Herzogenaurach Germany
(72)**Name of Inventor :**
1)KELLER Marion
2)HEUBERGER Sebastian

(57) Abstract :
A friction clutch device (100) in particular for a drivetrain of a motor vehicle powered by an internal combustion engine having an axis of rotation (102) having a housing (108) having at least one pressure plate (114) which for an actuation is displaceable relative to the housing (108) in a direction of extent of the axis of rotation (102) between an engaged actuation position and a disengaged actuation position having a first spring (116) for exerting load on the at least one pressure plate (114) having at least one spacer element (118) for the mounting of the first spring (116) on the housing (108) and having a second spring (104) for reducing an actuation force which second spring is arranged between the housing (108) and the first spring (116) and is supported by way of a first support radius (106) on the housing (108) and by way of a second support radius (110) on a support ring (112) which support ring in the disengaged actuation position of the pressure plate (114) is supported in the direction of extent of the axis of rotation (102) on the at least one spacer element (118) in order to structurally and/or functionally improve the friction clutch device (100).

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717044019 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEVICE FOR CLEANING OF INDOOR AIR

(51) International classification :B03C3/45,B03C3/09,B03C3/34
(31) Priority Document No :15508302
(32) Priority Date :17/06/2015
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2016/050592
Filing Date :17/06/2016
(87) International Publication No :WO 2016/204688
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LORETH Andrzej

(57) Abstract :
The present invention relates to a device for cleaning of indoor air comprising capacitor precipitators (12a 12b) each consisting of two electrode elements or two groups of electrode elements connected to the respective pole of a high voltage source air transported fans (13a 13b) at least one corona electrode (K1 K2) and at least one counter electrode (16a 16b 16c) wherein said corona electrode (K1 K2) and said counter electrode (16a 16b 16c) are connected each to a pole of a high voltage source. The characteristics of the apparatus of the present invention is that it comprises two air flow ducts (L1 L2) for the air to be cleaned which air flow ducts (L1 L2) are placed along an axial reference line (AA) at a distance (d) from each other in the direction of the axial reference line (AA) that each air flow duct (L1 L2) is associated with a capacitor precipitator (12a 12b) and an air moving fan (13a 13b) that at least one corona electrode (K1 K2) is provided in the space between the air flow ducts (L1 L2) that at least one counter electrode (16a 16b; 16) is located adjacent to the air flow ducts (L1 L2) circumference that the air flow direction through the one air flow duct (L1) is diametrically opposite the air flow direction through the second air flow duct (L2) and that the air to be cleaned is passed into the space between the air flow ducts (L1 L2).

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717044036 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVED METHODS AND SYSTEMS FOR RECOVERING PROTEIN POWDER AND NATURAL OMEGA 3 OIL FROM ANIMAL TISSUE

(51) International classification :A23J1/04,A23J3/00,B02C18/00
(31) Priority Document No :62/171173
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035908
Filing Date :03/06/2016
(87) International Publication No :WO 2016/197057
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)COLTUN Kerry

(57) Abstract :
Provided are methods and systems for recovering protein product powder purified water and omega 3 oil from an animal tissue. The methods and systems use high throughput extraction filtration separation systems. Animal tissue for example fish and organic solvent are directly or indirectly transferred into one of the optional extraction or filtration systems. The extraction filtration systems provide a high degree of filtration performance and product washing efficiency. Each system ultimately yields a product wet cake that includes the protein product. The protein product wet cake is then further dried in a drying unit to yield the final protein powder product. In each system the process filtrates undergo further processing by filtration and distillation to recover the organic solvent and separate out the omega 3 fish oil. The recovered organic solvent can be recycled back into the process. Solid protein product powder is thus recovered along with omega 3 oil purified water and recovered solvent.

No. of Pages : 65 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717044038 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS AND DEVICES TO DETECT THE PRESENCE OF A CONDITION ASSOCIATED WITH ATP DEPLETION IN A SUBJECT

(51) International classification	:G01N33/53,C12Q1/00,G01N33/543
(31) Priority Document No	:1509974.0
(32) Priority Date	:09/06/2015
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/GB2016/051641 :03/06/2016
(87) International Publication No	:WO 2016/198839
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)DALE Nicholas
2)IMRAY Chris
3)FRENGUELLI Bruno

(57) Abstract :
The invention provides a method of determining a predisposition to a condition associated with ATP depletion such as an ischaemic event in a subject comprising: a. measuring the concentration of one or more purines in a body fluid of the subject the purines being selected from adenosine inosine hypoxanthine xanthine and ATP and b. comparing the measured concentration with a threshold concentration of the one or more purines wherein the threshold concentration is preferably in the range 2[micro]M to 8[micro]M and wherein a measured concentration higher than the threshold concentration indicates the presence of ischaemia.

No. of Pages : 26 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044133 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TWO DIMENSIONAL FABRIC AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification	:D03D13/00,D03D41/00,D03D47/18
(31) Priority Document No	:10 2015 109 785.0
(32) Priority Date	:18/06/2015
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2016/064067 :17/06/2016
(87) International Publication No	:WO 2016/203007
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LAOURINE Ezzeddine

(57) Abstract :
The invention relates to a two dimensional fabric (20) and to a method for the production thereof. The two dimensional fabric (20) is used to produce a three dimensional composite part. The two dimensional fabric has a binding system (21) having binding warp threads (23) and/or binding weft threads (24) and a reinforcing system (22) having reinforcing weft threads (25) and/or reinforcing warp threads (26). At least some of the introduced reinforcing threads (25) are embodied as shortened reinforcing weft threads (25a) and/or shortened reinforcing warp threads (26a). The thread length (L) thereof is less than the binding weft threads (24) or binding warp threads (23). The shortened reinforcing thread (25a) (26a) extends between its free ends which are located in a respective thread end position (30) and (31). The respective thread length (L) and the respective thread end positions (30) (31) of a shortened reinforcing thread (25a) (26a) are predetermined in a two dimensional fabric (20) by the three dimensional shape of the composite part to be produced. In this way waste cuttings in the production of preforms and cutting effort for the reinforcing threads (25) (26) can be reduced.

No. of Pages : 42 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044140 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TUNGSTEN AND VANADIUM SEPARATION

(51) International classification :C22B3/26,C22B34/22,C22B34/36
(31) Priority Document No :62/170980
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035741
Filing Date :03/06/2016
(87) International Publication No :WO 2016/196949
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)RAMPRASAD Sudhir
2)FINES Alexandre

(57) Abstract :
Methods of isolating tungsten and in particular methods of separating tungsten and vanadium are described herein. The methods can generally comprise treating a tungsten containing material in aqueous solution with a reducing agent suitable for the reduction of pentavalent vanadium to one or more lower oxidation states of vanadium such that the tungsten can be more readily separated from the vanadium e.g. via solvent extraction. In certain embodiments the methods disclosed herein can provide tungsten vanadium or both tungsten and vanadium in sufficient purities for commercial use.

No. of Pages : 22 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044143 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEVICE FOR CONTROLLING A PROPELLER HAVING VARIABLE PITCH BLADES OF A TURBOPROP ENGINE

(51) International classification :B64C11/38
(31) Priority Document No :1555734
(32) Priority Date :23/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051476
Filing Date :17/06/2016
(87) International Publication No :WO 2016/207522
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SAFRAN HELICOPTER ENGINES
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(72)**Name of Inventor :**
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2)PRESSE Jean Michel

(57) Abstract :
The invention relates to a device for controlling a propeller having variable pitch blades of a turboprop engine including a first hydromechanical device (10) for controlling the pitch of the blades of the propeller and a second hydromechanical device (20) for controlling the speed of rotation of the propeller characterised in that said device includes a single electromechanical actuator (30) including a movable actuator member (31 36) mechanically connected both to said first hydromechanical device (10) for controlling the pitch in order to manage the pitch setpoint and to said second hydromechanical device (20) for controlling the speed in order to manage the speed setpoint.

No. of Pages : 10 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044145 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SPT6 NUCLEIC ACID MOLECULES TO CONTROL INSECT PESTS

(51) International classification :C12N15/82,C12N15/113,C07K14/435
(31) Priority Document No :62/168606
(32) Priority Date :29/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034515
Filing Date :27/05/2016
(87) International Publication No :WO 2016/196241
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)GANDRA Premchand
6)LO Wendy
7)FISHILEVICH Elane
8)VILCINSKAS Andreas
9)KNORR Eileen

(57) Abstract :
This disclosure concerns nucleic acid molecules and methods of use thereof for control of insect pests through RNA interference mediated inhibition of target coding and transcribed non coding sequences in insect pests including coleopteran pests. The disclosure also concerns methods for making transgenic plants that express nucleic acid molecules useful for the control of insect pests and the plant cells and plants obtained thereby.

No. of Pages : 96 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044147 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TREATMENT OF ACUTE COMPLICATIONS OF SICKLE CELL DISEASE

(51) International classification :A61K9/10,A61K31/02,A61P7/06
(31) Priority Document No :62/167186
(32) Priority Date :27/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034696
Filing Date :27/05/2016
(87) International Publication No :WO 2016/191700
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)UNGER Evan C.
2)OFORI ACQUAH Solomon F.
3)WILSON David B.

(57) Abstract :
The invention provides pharmaceutical compositions and dosage forms of fluorocarbon nanoemulsions that are useful for treating sickle cell disease and related diseases and conditions as well as methods of preparation and use thereof.

No. of Pages : 22 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044151 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TECHNIQUES FOR CONFIGURING A GENERIC PROGRAM USING CONTROLS

(51) International classification :G06F9/44
(31) Priority Document No :14/714037
(32) Priority Date :15/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032439
Filing Date :13/05/2016
(87) International Publication No :WO 2016/187033
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PYLE Hugh F.

(57) Abstract :
According to some aspects a method of operating a data processing system is provided wherein at least one computer program is configured the data processing system comprising a recorded configuration template and at least a first control and a second control the method comprising rendering according to the configuration template a first user interface based on a user interface portion of the first control receiving first user input through the first user interface the first user input providing configuration information for the at least one program identifying the second control based at least in part on the configuration template and on an operational portion of the first control rendering a second user interface based on a user interface portion of the identified second control and receiving second user input through the second user interface the second user input providing configuration information for the at least one program.

No. of Pages : 37 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044154 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PURIFYING CONTAMINATED POLYMERS

(51) International classification :C08J11/08
(31) Priority Document No :62/186505
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038868
Filing Date :23/06/2016
(87) International Publication No :WO 2017/003799
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)GUNNERSON Maggie
3)SCHONEMANN Hans
4)WILLIAMS Kara

(57) Abstract :
A method for purifying a reclaimed polymer such as a polymer reclaimed from post consumer use or post industrial use is disclosed. The method involves obtaining the reclaimed polymer and contacting it at an elevated temperature and pressure with a fluid solvent to produce an extracted reclaimed polymer. The extracted reclaimed polymer is dissolved in a solvent at an elevated temperature and pressure to produce a polymer solution. A polymer is then separated from the polymer solution.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044155 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PURIFYING CONTAMINATED POLYETHYLENE

(51) International classification :C08J11/08
(31) Priority Document No :62/186483
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038874
Filing Date :23/06/2016
(87) International Publication No :WO 2017/003804
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LAYMAN John Moncrief
2)GUNNERSON Maggie
3)SCHONEMANN Hans
4)WILLIAMS Kara

(57) Abstract :
A method for purifying reclaimed polyethylene such as polyethylene reclaimed from post consumer use or post industrial use is disclosed. The method involves obtaining the reclaimed polyethylene and contacting it at an elevated temperature and pressure with a fluid solvent to produce an extracted reclaimed polyethylene. The extracted reclaimed polyethylene is dissolved in a solvent at an elevated temperature and pressure to produce a polyethylene solution which is purified at an elevated temperature and pressure by contacting the polyethylene solution with solid media to produce a purer polyethylene solution. A purer polyethylene is then separated from the purer polyethylene solution.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044157 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SPT5 NUCLEIC ACID MOLECULES TO CONTROL INSECT PESTS

(51) International classification :C12N15/82,C07K14/435,A01H5/00
(31) Priority Document No :62/168613
(32) Priority Date :29/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034524
Filing Date :27/05/2016
(87) International Publication No :WO 2016/196247
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)FREY Meghan
4)GANDRA Premchand
5)LO Wendy
6)FISHILEVICH Elane
7)RANGASAMY Murugesan
8)GENG Chaoxian
9)VILCINSKAS Andreas
10)KNORR Eileen

(57) Abstract :
This disclosure concerns nucleic acid molecules and methods of use thereof for control of insect pests through RNA interference mediated inhibition of target coding and transcribed non coding sequences in insect pests including coleopteran and/or hemipteran pests. The disclosure also concerns methods for making transgenic plants that express nucleic acid molecules useful for the control of insect pests and the plant cells and plants obtained thereby.

No. of Pages : 126 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044167 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MACHINE TYPE COMMUNICATION METHOD BASE STATION AND TERMINAL

(51) International classification :H04W4/00,H04W72/04
(31) Priority Document No :201510292277.0
(32) Priority Date :29/05/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/080337
Filing Date :27/04/2016
(87) International Publication No :WO 2016/192490
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TANG Hai
2)ZENG Yuanqing

(57) Abstract :
Provided in the embodiments of the present invention is a machine type communication method comprising: a base station receives terminal identity and service registration information sent by a terminal said service registration information comprising the service type and service subscription information; the base station on the basis of the service registration information allocates to the terminal reporting time frequency resource information; the base station sends the reporting time frequency resource information to the terminal; and the base station receives uplink data packets sent by the base station on the basis of the reporting time frequency resource information. In the embodiments of the present invention the base station allocates reporting time frequency resource information to the terminal to ensure that the terminal sends uplink data packet to the base station; this scheduling process is simple and consistent can reduce the complexity and power consumption of machine type communication and can further reduce the deployment costs of an MTC system and extend the service life of battery powered devices.

No. of Pages : 44 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044174 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DUAL ANCHORING DEVICE FOR THE SUSPENSION OF INTRAUTERINE DEVICES

(51) International classification :A61B17/04,A61F6/14,A61F6/18
(31) Priority Document No :15168539.3
(32) Priority Date :20/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061128
Filing Date :18/05/2016
(87) International Publication No :WO 2016/184907
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)WILDEMEERSCH Dirk

(57) Abstract :
The invention relates to an anchoring means specifically for the retention of bioactive substances in the immediate post Cesarean section uterus for contraception. The invention consists of a dual anchoring means preferably a permanent anchoring knot provided with a noose for insertion in the top of the uterus with an inserter and which is kept in place during the involution phase of the uterus by a supplementary means of temporary fixation to overcome the risk of IUD/IUS dislodgment from the soft uterine wall consisting of a biodegradable suture consolidated with the permanent anchoring knot for its temporary fixation to the serosa of the uterus and which anchoring knot can be easily removed from the uterus at any time after its insertion in the uterine wall and fixation to the serosa due to the fast biodegrading time of the suture.

No. of Pages : 6 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044186 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONSTRUCTS TARGETING NY ESO 1 PEPTIDE/MHC COMPLEXES AND USES THEREOF

(51) International classification :C07K14/705,A61K39/395,G01N33/574
(31) Priority Document No :62/184185
(32) Priority Date :24/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/039416
Filing Date :24/06/2016
(87) International Publication No :WO 2016/210365
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LIU Cheng
2)LIU Hong
3)XU Yiyang
4)XIANG Jingyi

(57) Abstract :
The present application provides constructs comprising an antibody moiety that specifically binds to a complex comprising an NY ESO 1 peptide and an MHC class I protein. Also provided are methods of making and using these constructs.

No. of Pages : 219 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044190 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ANTI VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR 2 (VEGFR2) ANTIBODIES

(51) International classification :A61K39/395,A61K38/18,C07K14/475
(31) Priority Document No:62/187204
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/040183
Filing Date :29/06/2016
(87) International Publication No :WO 2017/004254
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LIN Pei Hua
2)TSENG Chi Ling
3)JIANG Wei Dong

(57) Abstract :
Provided are anti vascular endothelial growth factor receptor 2 (VEGFR2) antibodies and antigen binding fragments thereof. Also provided are isolated nucleic acid molecules that encode the anti VEGFR2 antibodies or antigen binding fragments thereof related expression vectors and host cells. Provided are methods of making anti VEGFR2 antibodies and antigen binding fragments thereof. Also provided are related pharmaceutical compositions comprising anti VEGFR2 antibodies (or antigen binding fragments thereof) and methods of their use in the treatment of pathological conditions characterized by excessive angiogenesis.

No. of Pages : 120 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044205 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : RADIO FREQUENCY COIL METHODS AND APPARATUS

(51) International classification	:A61B5/055,G01R33/20,G01R33/32
(31) Priority Document No	:62/160036
(32) Priority Date	:12/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/032014 :12/05/2016
(87) International Publication No	:WO 2016/183284
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
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2)CHARVAT Gregory L.
3)REARICK Todd
4)ROTHBERG Jonathan M.

(57) Abstract :
Aspects relate to providing radio frequency components responsive to magnetic resonance signals. According to some aspects a radio frequency component comprises at least one coil having a conductor arranged in a plurality of turns oriented about a region of interest to respond to corresponding magnetic resonant signal components. According to some aspects the radio frequency component comprises a plurality of coils oriented to respond to corresponding magnetic resonant signal components. According to some aspects an optimization is used to determine a configuration for at least one radio frequency coil.

No. of Pages : 56 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044227 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MOBILE PHONE MAPPED LANDLINE BASED CALL INITIATION

(51) International classification :H04L12/16
(31) Priority Document No :1748/DEL/2015
(32) Priority Date :10/06/2015
(33) Name of priority country :India
(86) International Application No :PCT/IB2016/053422
Filing Date :10/06/2016
(87) International Publication No :WO 2016/199078
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)GUPTA Vishal

(57) Abstract :
The present disclosure relates to a system for initiating a call from a landline that is mapped to a caller mobile phone wherein system includes a call request receipt module configured to at a first computing device receive from the caller mobile phone a call request comprising a caller identifier and a callee phone number; a landline determination module configured to at the first computing device determine the landline based on the received caller identifier; a landline based call initiation module configured to using the first computing device initiate a first call to landline number of the determined landline; a callee call initiation module configured to using the first computing device initiate a second call to callee phone number; anda callee connection module configured to conference the first call with the second call.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044228 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVEMENTS IN AND RELATING TO CARRYING A MUNITION ON A MUNITION LAUNCHER PLATFORM

(51) International classification :F41F3/065,B64D7/08
(31) Priority Document No :1509185.3
(32) Priority Date :22/05/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051468
Filing Date :20/05/2016
(87) International Publication No :WO 2016/189283
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BOWDEN PETERS Edwin John William

(57) Abstract :
In a method of carrying a munition (100) on a munition launcher platform (200) the munition launcher platform (200) is provided with a data tag activator and a data tag reader (210). A munition (100) is attached to the munition launcher platform (200) the munition (100) being provided with a data tag (120). An activation signal is transmitted from the data tag activator (210) to the data tag (120). As a result of receiving the activation signal the data tag (120) returns a data response to the data tag reader (210). The receiving of the data response provides the munition launcher platform (200) with an indication that the munition (100) is still attached to the munition launcher platform (200).

No. of Pages : 18 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044229 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TAXANE PARTICLES AND THEIR USE

(51) International classification :A61K9/10,A61K9/14,A61K9/16
(31) Priority Document No :62/171060
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035993
Filing Date :06/06/2016
(87) International Publication No:WO 2016/197091
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FARTHING Joseph
3)SITTENAUER Jake
4)ESPINOSA Jahna
5)CAMPBELL Samuel
6)MCCLOREY Matthew
7)FISCHER Julia K.
8)WILLIAMS Mark D.
9)CLAPP Gary E.

(57) Abstract :
Compositions are provided that include having at least 95% by weight of a taxane or a pharmaceutically acceptable salt thereof where the particles have a mean bulk density between about 0.050 g/cm3 and about 0.15 g/cm3 and/or a specific surface area (SSA) of at least 18 m2/g 20 m2/g 25 m2/g 30 m2/g 32 m2/g 34 m2/g or 35 m2/g. Methods for making and using such compositions are also provided.

No. of Pages : 31 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044246 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : STEAM POWER PLANT

(51) International classification :F01K17/00
(31) Priority Document No :A 419/2015
(32) Priority Date :30/06/2015
(33) Name of priority country :Austria
(86) International Application No :PCT/EP2016/064281
Filing Date :21/06/2016
(87) International Publication No :WO 2017/001241
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GUTSCHER Rudolf

(57) Abstract :
In the context of a steam power plant (1) having a working medium circuit (2) for a working medium wherein the working medium circuit (2) considered in the flow direction of the working medium has a first heat exchanger system (3) for evaporating the working medium a steam turbine system (4) a second heat exchanger system (5) for condensing the working medium and a working medium pump system (6) it is proposed that at least one coolant circuit (7) of an absorption heat pump (8) encompasses at least in part the first heat exchanger system (3) and at least in part the second heat exchanger system (5) wherein the absorption heat pump (8) is designed to convey heat energy from the second heat exchanger system (5) to the first heat exchanger system (3) and that an expulsion line (9) leads from a turbine bleed point (11) of the steam turbine system (4) via an expulsion system (12) of the absorption heat pump (8) to an injection point (13) into the working medium circuit (2) wherein the working medium in the expulsion line (9) provides heat energy for an expulsion process of the absorption heat pump (8).

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031091 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MICROBIOCIDAL HETEROBICYCLIC DERIVATIVES

(51) International classification :C07D401/04,A01N43/52,A01P3/00
(31) Priority Document No :15161494.8
(32) Priority Date :27/03/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/056127
Filing Date :21/03/2016
(87) International Publication No :WO 2016/156085
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)QUARANTA Laura
3)TRAH Stephan
4)WEISS Matthias

(57) Abstract :
Compounds of the formula (I) wherein the substituents are as defined in claim 1. Furthermore, the present invention relates to agrochemical compositions which comprise compounds of formula (I), to preparation of these compositions, and to the use of the compounds or compositions in agriculture or horticulture for combating, preventing or controlling infestation of plants, harvested food crops, seeds or non-living materials by phytopathogenic microorganisms, in particular fungi.

No. of Pages : 93 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031113 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONVERSION CIRCUIT AND DETECTION CIRCUIT

(51) International classification :H03F1/26
(31) Priority Document No :201511016745.8
(32) Priority Date :29/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/090468
Filing Date :19/07/2016
(87) International Publication No :WO 2017/113758
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)ZHANG Mengwen
3)ZHAN Chang

(57) Abstract :
Embodiments of the invention provide a conversion circuit used for converting a current signal flowing through a sensing component into a first output voltage signal and comprising: a first current eliminating circuit used for eliminating a first current in the current signal wherein the first current eliminating circuit comprises a current sample and hold circuit; a current drive circuit coupled between the sensing component and the current sample and hold circuit; a second current eliminating circuit coupled to the sensing component and used for eliminating a second current in the current signal; and an integrating circuit coupled to the sensing component and used for integrating a third current in the current signal and outputting the first output voltage signal between a first integration output end and a second integration output end. According to the embodiments of the invention a backlight current and a background current in a current signal can be eliminated and a heartbeat current in the current signal is integrated by using an integrating circuit so as to eliminate influences of the backlight current and the background current on the heartbeat current thereby improving detection performance.

No. of Pages : 14 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031124 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEM FOR DETECTING THE MIS INSERTION OF A STAPLE CARTRIDGE INTO A SURGICAL STAPLER

(51) International classification :A61B17/072
(31) Priority Document No :14/640765
(32) Priority Date :06/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/020170
Filing Date :01/03/2016
(87) International Publication No :WO 2016/144602
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SWAYZE Jeffrey S.
4)BECKMAN Andrew T.
5)HARRIS Jason L.
6)SWENSGARD Brett E.

(57) Abstract :
A surgical instrument system can include an end effector and a staple cartridge which is removably insertable into the end effector. The staple cartridge includes a sled movable from an unfired position to a fired position to eject staples removably stored in the staple cartridge. In various instances the sled can be inadvertently advanced from its unfired position when the staple cartridge is positioned in the end effector for example. The surgical instrument system further comprises one or more sensors configured to detect whether the sled is in its unfired position and/or whether the staple cartridge has been mis inserted into the end effector. The one or more sensors can also determine whether the staple cartridge has been fully seated in the cartridge channel.

No. of Pages : 86 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/12/2017

(21) Application No.201717047381 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TOILET AND SEAT ADAPTED TO FUNCTION AS A BIDET

(51) International classification :E03D9/08
(31) Priority Document No :P201500428
(32) Priority Date :02/06/2015
(33) Name of priority country :Spain
(86) International Application No :PCT/ES2015/000127
Filing Date :15/09/2015
(87) International Publication No :WO 2016/193505
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
The invention relates to a toilet comprising discreet means allowing it to be used as a bidet without altering or affecting the normal operation of the toilet. The aforementioned means are used to supply water through a tube that can be moved simply and easily into the toilet. The invention also relates to a cock that can be installed directly or with the aid of a support. The invention further relates to a device into which an orientable tube is inserted said tube being moved below or between the two seats.

No. of Pages : 16 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022889 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ARRANGEMENT AND METHOD FOR TESTING THE TIGHTNESS OF A CONTAINER

(51) International classification :F16K1/44,G01M3/32
(31) Priority Document No :10 2015 203 552.2
(32) Priority Date :27/02/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/081294
Filing Date :28/12/2015
(87) International Publication No :WO 2016/134809
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MAURISCHAT Wolfgang

(57) Abstract :
The present invention relates to an arrangement for testing the tightness of a container (2) comprising a testing chamber (3) in which the container (2) which is to be tested can be arranged also comprising a pressure altering device (5) in order to alter a pressure in the testing chamber (3) relative to a pressure in the container (2) further comprising a differential pressure sensor (4) for determining a pressure difference between a reference pressure in a reference chamber (6) and a pressure in the testing chamber (3) and additionally comprising a valve (7) having a closing element (70) a first sealing seat (71) and a second sealing seat (72) wherein the first sealing seat (71) comprises a first sealing element (11 21) for sealing the reference chamber (6) in relation to an antechamber and wherein the second sealing seat (72) comprises a second sealing element (12 22) for sealing the testing chamber (3) in relation to the antechamber (8).

No. of Pages : 15 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022912 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ADJUSTABLE OPTICAL STEREOSCOPIC GLASSES

(51) International classification :G02C7/14,G02B27/22,G02B27/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/018566
Filing Date :04/03/2015
(87) International Publication No :WO 2016/140655
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SONG Jay

(57) Abstract :
The present invention provides an optical 3D stereoscopic glasses (5) comprising a housing (7) a left lens assembly (5L) and a right lens assembly (5R) wherein the lens assemblies (5L 5R) use refraction to create one of the following viewing modes: positive parallax hyperstereo viewing mode positive parallax hypostereo viewing mode negative parallax hyperstereo viewing mode and negative parallax hypostereo viewing mode which can causes a viewer to perceive 3D stereoscopic vision of a 2D image shown on a planar screen.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022913 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : GUIDE FOR PLANNING AND DRILLING FOR THE SUBSEQUENT PLACEMENT OF DENTAL IMPLANTS

(51) International classification :A61C1/08,A61B17/17
(31) Priority Document No :P 201431942
(32) Priority Date :29/12/2014
(33) Name of priority country :Spain
(86) International Application No :PCT/ES2015/070943
Filing Date :23/12/2015
(87) International Publication No :WO 2016/107946
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ALSINA FONT Francesc
2)LPEZ P‰REZ Antonio

(57) Abstract :
The invention relates to a guide for planning and drilling for the subsequent placement of dental implants intended in particular for cases requiring holes to be drilled at an angle in the bone bed from an existing first vertical hole said guide essentially comprising: a support (1) a bar (2) angled at at least one of the ends thereof and secured to the support (1) in a movable and detachable manner a guide body (3) located at the end of the bar (2) and a rod (4) in turn comprising an upper end that is connected to the support (2) using guide means (5) that allow a relative movement therebetween and a lower end that is introduced into the bone bed in the patient s mouth.

No. of Pages : 11 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/06/2017

(21) Application No.201717023133 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SEMICONDUCTOR DEVICE

(51) International classification :H01L27/04,H01L29/06,H01L29/78
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2016/065645
Filing Date :26/05/2016
(87) International Publication No :WO 2017/203671
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ISHIZUKA Nobutaka
4)MIKAWA Masato
5)OSHINO Hiroshi

(57) Abstract :
[Problem] To provide a semiconductor device in which decrease in withstand voltage can be suppressed and reliability can be improved. [Solution] In a semiconductor device 1 according to an embodiment of the present invention: ends of conductor parts 6 7 are electrically connected to an overvoltage protection diode 5 such that a diffusion layer 3 near an insulating film 4 is depleted while a reverse bias is applied thereto; and/or ends of conductor parts 8 9 are electrically connected to the overvoltage protection diode 5 such that a surrounding semiconductor region 10 near the insulating film 4 is depleted while a reverse bias is applied thereto.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/12/2017

(21) Application No.201717047349 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : INTELLIGENT AIRCRAFT GROUND SUPPORT UNIT

(51) International classification :B64F5/00
(31) Priority Document No :15290188.0
(32) Priority Date :16/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/070414
Filing Date :07/09/2015
(87) International Publication No :WO 2017/008865
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CLERMONT Lionel
2)CHAOURAR Chafa

(57) Abstract :
The present invention concerns an aircraft ground support unit (1) for supplying a service to an aircraft (3) on the ground according to a specific servicing program said ground support unit comprising : (a) Reception means (5) suitable for identifying an aircraft (3) in motion or parked on the ground by receiving information emitted by a transponder (7) of said aircraft including an instantaneous GPS coordinates of the position of the aircraft the identity of the aircraft the type of aircraft and the company of the aircraft aircraft status data (b) A microprocessor suitable for selecting and implementing a predefined servicing program stored in a database corresponding to the type and company of the thus identified aircraft (3) on the basis of the information received by the reception means. (c) A data record device to store the events aircraft status data ground unit data for airlines operation optimization

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/12/2017

(21) Application No.201717047407 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ELEVATOR VIBRATION DAMPING DEVICE

(51) International classification :B66B7/08
(31) Priority Document No :NA
(32) Priority Date : -
(33) Name of priority country :
(86) International Application No :PCT/IB2015/001254
Filing Date :03/07/2015
(87) International Publication No :WO 2017/006146
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BLANCHARD Antoine Adrian

(57) Abstract :
An elevator system includes a stationary structure a first sheave rotationally supported by the structure a rope supported by the first sheave and an elevator car supported by the rope. A vibration damping device of the elevator system is positioned at a first termination of the rope and is configured to reduce vibration waves in the rope thereby reducing noise in the elevator car.

No. of Pages : 9 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/12/2017

(21) Application No.201717047443 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NUCLEIC ACID DETECTION

(51) International classification :C12Q1/68
(31) Priority Document No :62/169672
(32) Priority Date :02/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035256
Filing Date :01/06/2016
(87) International Publication No :WO 2016/196625
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DAS Somes K.
3)REGELIN Julie

(57) Abstract :
Systems devices and methods of detecting nucleic acids may include a nanopore system or use of a nanopore system. The method of detecting a target nucleic acid may include combining a sample with at least one with at least one probe molecule having a sequence fully complementary or partially complementary to the target nucleic acid such that the probe molecule hybridizes to the target nucleic acid and adding one of more enzymes before or after combining the sample with the probe molecule(s). The sample may be added to a chamber of a nanopore system and a voltage applied to generate a current time series wherein a signature current pattern of the nanopore system indicates the presence of the target nucleic acid in the sample.

No. of Pages : 62 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/12/2017

(21) Application No.201717047444 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A METHOD OF PROCESSING OFFSET CARRIER MODULATED RANGING SIGNALS

(51) International classification	:G01S19/30,G01S19/22,G01S19/02
(31) Priority Document No	:15172375.6
(32) Priority Date	:16/06/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/063518 :13/06/2016
(87) International Publication No	:WO 2016/202746
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)PAONNI Matteo
3)BAVARO Michele
4)FORTUNY GUASCH Joaquim

(57) Abstract :
A method of processing certain offset carrier modulated ranging signals which are synchronously broadcast with another signal having a nearby centre frequency. The method comprises receiving a first radionavigation signal from at least one of a plurality of transmitters and deriving therefrom a first OCM signal SA and receiving a second signal SB synchronously broadcast with the first OCM signal SA the second signal SB having the same or nearby centre frequency to the first OCM signal SA. The method further comprises generating a combined correlation value YC the combined correlation value YC corresponding to the correlation of a combined signal Sc with a replica of the first OCM signal the combined signal SC resulting from the coherent combination at the receiver of first OCM signal SAwith the second signal SB. The method further comprises deriving ranging information based on the combined correlation value YC. The second signal SB may comprise one of (i) an OCM signal and (ii) a BOC signal. The combination of the two signal components may be done before or after the correlation operation. When adopted by a ranging receiver the technique offers improved performance in the area of: signal acquisition and reacquisition in particular reducing the likelihood of side peak acquisition; fine acquisition and tracking: reducing or eliminating the likelihood of false code lock.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/12/2017

(21) Application No.201717047445 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ADJUSTABLE DEADBAND CONTROL SYSTEM

(51) International classification :G05D16/06,F16K1/52,G05D16/10
(31) Priority Document No :62/170453
(32) Priority Date :03/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035625
Filing Date :03/06/2016
(87) International Publication No :WO 2016/196871
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MASIAS Justin L.
2)SCHEFFLER Douglas James
3)NGUYEN Tung K.
4)BAGBY James Curtis

(57) Abstract :
Control systems include various combinations of pressure regulators pilots and pressure stabilizers to provide systems with adjustable deadbands for over pressure protection adjustable deadbands for under pressure protection adjustable deadbands for both over pressure and under pressure protection pressure assisted closure for over pressure protection pressure assisted closure for under pressure protection pressure assisted closure for both over pressure and under pressure protection or spring assisted closure for over pressure and under pressure protection.

No. of Pages : 18 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043566 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HAIR GROWTH LIGHT THERAPY DEVICE

(51) International classification :A61N5/06
(31) Priority Document No :14/747464
(32) Priority Date :23/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038612
Filing Date :22/06/2016
(87) International Publication No :WO 2016/209860
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TAPPER Jay
2)BLAUSTEIN Lawrence A.
3)SHUTER David
4)ALTHOFF Charles Peter
5)DING Lulin

(57) Abstract :
Disclosed is a therapeutic lamp platform hair growth device. According to an exemplary embodiment disclosed is a phototherapy device comprising a wearable therapeutic lamp platform including a plurality of radiant lamps and a reflective wall disposed to communicate radiant energy from the plurality of radiant lamps to a user treatment area including a scalp of the user and the wearable lamp platform including a headband operatively associated with supporting the plurality of radiant lamps and reflective wall above the users scalp.

No. of Pages : 37 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043567 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : RUBBER COMPOSITION THAT CAN BE CROSS LINKED BY MEANS OF AMINE AND THAT HAS A LIGHT COLORED FILLER

(51) International classification :C08L15/00,C08K5/14,C08L21/00
(31) Priority Document No :15174187.3
(32) Priority Date :26/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/064667
Filing Date :24/06/2016
(87) International Publication No :WO 2016/207352
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BECKER Drte
3)HENSEL Manfred

(57) Abstract :
The invention relates to a vulcanizable rubber composition which comprises a) one or more rubbers that can be cross linked by means of amine b) one or more light colored fillers and c) one or more polyorganosiloxanes having at least two NH2 groups per molecule. The total amount of organosilane is restricted in the rubber compositions. After vulcanization the rubber compositions exhibit good compression set.

No. of Pages : 33 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043585 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TILTED ANTENNA BOBBINS AND METHODS OF MANUFACTURE

(51) International classification :H01Q7/08,H01Q1/40
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/042186
Filing Date :27/07/2015
(87) International Publication No :WO 2017/019005
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)HENSARLING Jesse K.
2)RODNEY Paul F.
3)COBB James H.

(57) Abstract :
An antenna assembly includes a bobbin that provides a cylindrical body that defines an outer radial surface an inner radial surface and a central axis. One or more channels are defined on the outer radial surface and each channel provides a first sidewall a second sidewall opposite the first sidewall a floor and a pocket jointly defined by the first sidewall and the floor. A coil including one or more wires is wrapped about the bobbin and received within the one or more channels.

No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043586 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MICROFLUIDIC DEVICE

(51) International classification :B01L3/00
(31) Priority Document No :1510189.2
(32) Priority Date :11/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051713
Filing Date :10/06/2016
(87) International Publication No :WO 2016/198880
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)MILLER Brian Maxdell

(57) Abstract :
There is presented a microfluidic device comprising a plurality of layers and a common manifold wherein a fluid comprising a target population of particles having a specified range of diameters may be processed by the device by flowing from the common manifold through the channels of each layer within the plurality of layers and fluid collected from a first outlet of each layer within the plurality of layers comprises the target population of particles and fluid collected from a second outlet of each layer within the plurality of layers is substantially devoid of the target population of particles. A method of use of said device and systems comprising at least one said device are also presented.

No. of Pages : 29 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043587 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : GAS CONDITIONING PROCESS AND SYSTEM FOR EXTRACTING A CONDENSABLE VAPOUR FROM A SUPPLIED GAS

(51) International classification :C10L3/10,C10K1/04,C10G70/04
(31) Priority Document No :1512590.9
(32) Priority Date :17/07/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052163
Filing Date :15/07/2016
(87) International Publication No :WO 2017/013412
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)GRAINGER John
2)SMITH Geoff

(57) Abstract :
A process for extracting a condensable vapour from a supplied gas comprising the steps of: i) condensing the condensable vapour by cooling the supplied gas at a condensing surface such that the supplied gas is divided into at least one condensed fraction and a product gas; while ii) removing the at least one condensed fraction from the condensing surface by mechanical scraping means.

No. of Pages : 15 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/12/2011

(21) Application No.3673/DEL/2011 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : UNDERGROUND WATER TAPPING APPARATUS

(51) International classification :G05G
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Singh Laxman

(57) Abstract :
The present invention relates to an underground water tapping apparatus. More particularly, it relates to an underground water tapping apparatus that works on the principle of suction created by vacuum, thus increasing the velocity and pressure of water coming out. The present invention also relates to a method of tapping underground water with increased velocity and pressure.

No. of Pages : 8 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717044039 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS OF TREATMENT USING ULTRASMALL NANOPARTICLES TO INDUCE CELL DEATH OF NUTRIENT DEPRIVED CANCER CELLS VIA FERROPTOSIS

(51) International classification	:A61K47/48,A61P35/00
(31) Priority Document No	:62/168636
(32) Priority Date	:29/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/034351 :26/05/2016
(87) International Publication No	:WO 2016/196201
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)WIESNER Ulrich
3)OVERHOLTZER Michael
4)SCHER Howard
5)MA Kai

(57) Abstract :
Described herein is a method of induced cell death via ferroptosis by nanoparticle ingestion. Moreover the present disclosure describes the administration of high concentrations of ultrasmall nanoparticles at multiple times over the course of treatment in combination with a nutrient depleted environment thereby modulating cellular metabolic pathways to induce cell death by the mechanism ferroptosis. Ferroptosis involves iron reactive oxygen species and a synchronous mode of cell death execution.

No. of Pages : 72 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717044045 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HIGH STRENGTH THIN STEEL SHEET WITH EXCELLENT DRAWABILITY AND BAKE HARDENABILITY AND METHOD FOR MANUFACTURING SAME

(51) International classification :C22C38/00,C22C38/02,C22C38/04
(31) Priority Document No :1020150080046
(32) Priority Date :05/06/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/006005
Filing Date :07/06/2016
(87) International Publication No :WO 2016/195456
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)HAN Sang Ho

(57) Abstract :
Disclosed are a high strength thin steel sheet with excellent drawability and bake hardenability and a method for manufacturing the same the high strength thin steel sheet comprising: 0.0005 to 0.003 wt% of C; 0.5 wt% or less (excluding 0 wt%) of Si; 1.2 wt% or less (excluding 0 wt%) of Mn; 0.005 to 0.12 wt% of P; 0.008 wt% or less of S; 0.005 wt% or less of N; 0.1 wt% or less (excluding 0 wt%) of acid soluble Al; and 0.01 to 0.04 wt% of Ti with the remainder comprising Fe and unavoidable impurities wherein the high strength thin steel sheet has P defined by the following mathematical equation 1 of 80% or more and bake hardenability (BH) of 4MPa or more: [mathematical equation 1] P(%)={Nin/(Nin+Ngb)} 100 (provided that Nin denotes the number of carbides present within crystal grains and having a size of 20 nm or less and Ngb denotes the number of carbides present within grain boundaries and having a size of 20 nm or less).

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044104 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SURGICAL INSTRUMENT WITH USER ADAPTABLE ALGORITHMS

(51) International classification	:A61B17/32,A61B18/14,A61B90/00
(31) Priority Document No	:14/788468
(32) Priority Date	:30/06/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/039215 :24/06/2016
(87) International Publication No	:WO 2017/003850
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)FALLER Craig N.
3)SCHEIB Charles J.
4)RIESTENBERG Paul F.
5)GEE Jacob S.
6)BOYD Benjamin M.
7)DICKERSON Benjamin D.
8)RUIZ ORTIZ Rafael J.
9)WEISENBURGH II William B.
10)GALLMEYER Thomas C.
11)HIBNER John A.

(57) Abstract :
Various forms are directed to systems and methods for dissection and coagulation of tissue. A surgical instrument includes an end effector configured to dissect and seal tissue at a distal end thereof and a selector switch having a plurality of surgical modes. A generator is electrically coupled to the surgical instrument and is configured to deliver energy to the end effector. Each surgical mode of the selector switch corresponds to an algorithm for controlling the power delivered from the generator to the end effector and each algorithm corresponding to the plurality of surgical modes is configured to allow a user to control the power output level of the generator.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/07/2017

(21) Application No.201714025669 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : OVERHEAD VALVE ACTUATION MECHANISM FOR ENGINE

(51) International classification :F01K15/00
(31) Priority Document No :2016-167158
(32) Priority Date :29/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Koichi TANAKA
2)Kunio ARASE

(57) Abstract :
An overhead valve actuation mechanism for an engine includes a camshaft that is rotatably supported by the cylinder head and includes one or a plurality of valve cams. The camshaft operates opening and closing of an intake valve and an exhaust valve via the valve cam. The only one camshaft is disposed within the one cylinder head. The camshaft has an axis center biased to a side of the exhaust valve with respect to a cylinder axis line as viewed from an axial direction of the camshaft.

No. of Pages : 50 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/07/2017

(21) Application No.201714025843 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : LIGHTING ELEMENT AND LOUDSPEAKER FOR A MOTOR VEHICLE

(51) International classification :H04B10/11
(31) Priority Document No :102016115750.3
(32) Priority Date :25/08/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)JGER, Robert
2)BRINKMANN, Dirk
3)CZEMMEL, Heinz

(57) Abstract :
The present invention relates to a lighting element (12) for a passenger compartment of a motor vehicle, having: an elongated light guide, a diffuser (26), wherein the light guide (26) is at least partially accommodated in the diffuser (26), and a reflector (18) which is arranged on an inner side of the diffuser (26) and has a reflective surface (20) facing the light guide (27), wherein the reflector (18) is designed to reflect light from the light guide (27) to an outer side of the light guide (27), wherein the reflector (18) has a rough surface (20) in order to reflect light from the light guide (27) diffusely. (Fig. 2a)

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/11/2017

(21) Application No.201717041566 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CARTRIDGE INSERTION FOR DRUG DELIVERY DEVICE

(51) International classification :A61M5/24,A61M5/20,A61M5/142
(31) Priority Document No :62/171002
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035720
Filing Date :03/06/2016
(87) International Publication No :WO 2016/196934
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BAR EL Yossi
2)YIGAL Gil
3)FILMAN Reuven Y.

(57) Abstract :
A method and assembly are disclosed for interfacing between a drug cartridge and a drug delivery device. Optionally the drug delivery device includes a compartment that retains the cartridge during drug delivery and/or a stopper pushing assembly mounted to the device behind (proximal to) the compartment. In some embodiments the cartridge may be inserted laterally into the compartment in front of the pushing assembly. For example the delivery device may include a moving cartridge bay. The cartridge is optionally inserted into the bay and/or the bay and cartridge optionally move into the cartridge compartment. Alternatively or additionally the cartridge compartment may have a proximal opening into which the cartridge is inserted and/or the pushing assembly may be moved into position after insertion of the cartridge. In some embodiments the cartridge may have a distal seal that is broken by a longitudinal movement.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043188 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : IMPROVED APPARATUS AND METHOD

(51) International classification	:D06F39/08,D06F39/14,D06F35/00
(31) Priority Document No	:1509463.4
(32) Priority Date	:01/06/2015
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/GB2016/051584 :31/05/2016
(87) International Publication No	:WO 2016/193703
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)SAWFORD Michael David
2)SCOTT Iain Alexander
3)WALLACE Thomas John

(57) Abstract :
An apparatus (10) for use in the treatment of at least one substrate with a multiplicity of solid particles comprising: a) a housing (20) in which a drum (40) is rotatably mounted; b) a door (60) moveable between an open position wherein the at least one substrate can be placed in the drum and a closed position wherein the apparatus is substantially sealed; c) a separator (100) mounted in the door wherein the separator comprises a perforated portion; d) a flow pathway pipe (110) mounted on or in the housing wherein the flow pathway pipe comprises an outlet (140); and e) pumping means (210) configured to pump treatment liquor and a multiplicity of solid particles from a first location through the flow pathway pipe and out of the outlet towards the separator; wherein the separator is arranged to direct the multiplicity of solid particles into the drum and wherein the separator is further arranged to direct a portion of the treatment liquor to a location other than the drum.

No. of Pages : 39 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201717043902 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR PURIFYING CONTAMINATED POLYPROPYLENE

(51) International classification :C08J11/08
(31) Priority Document No :62/186483
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/038864
Filing Date :23/06/2016
(87) International Publication No :WO 2017/003796
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)GUNNERSON Maggie
3)SCHONEMANN Hans
4)WILLIAMS Kara

(57) Abstract :
A method for purifying reclaimed polypropylene such as a polypropylene reclaimed from post consumer use or post industrial use is disclosed. The method involves obtaining the reclaimed polypropylene and contacting it at an elevated temperature and pressure with a fluid solvent to produce an extracted reclaimed polypropylene. The extracted reclaimed polypropylene is dissolved in a solvent at an elevated temperature and pressure to produce a polypropylene solution which is purified at an elevated temperature and pressure by contacting the polypropylene solution with solid media to produce a purer polypropylene solution. A purer polypropylene is then separated from the purer polypropylene solution.

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717038058 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : REFERENCE SIGNAL REPORTING IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04B7/06
(31) Priority Document No :62/342732
(32) Priority Date :27/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2017/050559
Filing Date :24/05/2017
(87) International Publication No :WO 2017/204740
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ANDERSSON Hkan
3)KREDAL Johan
4)FURUSKOG Johan
5)FRENNE Mattias
6)ZHANG Qiang

(57) Abstract :
A wireless device (14) is configured to receive a reference signal (24) from network equipment (12) using a receiver configuration (16). The receiver configuration (16) uses one or more physical resources at the wireless device (14). The wireless device (14) is also configured to transmit to the network equipment (12) a report (20) indicating that the wireless device (14) received the reference signal (24) using one or more logical resources at the wireless device (14). The one or more logical resources are an abstraction of the one or more physical resources that the receiver configuration (16) uses.

No. of Pages : 31 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717038061 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : REFERENCE SIGNAL TRACKING IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04B7/06,H04B7/08
(31) Priority Document No :62/342732
(32) Priority Date :27/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2017/050558
Filing Date :24/05/2017
(87) International Publication No :WO 2017/204739
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)FURUSKOG Johan
2)WIBERG Niclas
3)ANDERSSON Hkan
4)KREDAL Johan
5)FRENNE Mattias
6)ZHANG Qiang

(57) Abstract :
A wireless device (14) is configured to receive from network equipment (12) a tracking process base signal (18) using a receiver configuration (16) with tunable beamforming and transmit a report (20) to the network equipment (12) indicating reception of the tracking process base signal (18). The wireless device (14) is further configured to responsive to transmitting the report (20) configure the wireless device (14) with a tracking process (26) for the wireless device (14) to track a reference signal (24) by tuning the receiver configuration (16) with which the wireless device (14) received the tracking process base signal (18). The wireless device (14) is also configured to based on receiving a reference signal (24) identified as being a reference signal (24) to be tracked by the tracking process (26) track the reference signal (24) by tuning beamforming of the receiver configuration (16).

No. of Pages : 30 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042635 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ALLOY MELTING AND REFINING METHOD

(51) International classification :C22B9/20,C22C19/03,C22F1/10
(31) Priority Document No :14/748788
(32) Priority Date :24/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035659
Filing Date :03/06/2016
(87) International Publication No :WO 2016/209591
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BANIK Anthony V.
2)LIPPARD Henry E.
3)WILSON Brandon C.

(57) Abstract :
A method of melting and refining an alloy comprises vacuum induction melting starting materials to provide a vacuum induction melted alloy. At least a portion of the vacuum induction melted alloy is electroslag remelted to provide an electroslag remelted alloy. At least a portion of the vacuum arc remelted alloy is vacuum arc remelted to provide a singly vacuum arc remelted alloy. At least a portion of the singly vacuum arc remelted alloy is vacuum arc remelted to provide a doubly vacuum arc remelted alloy. In various embodiments a composition of the vacuum induction melted alloy comprises primarily one of
vanadium chromium manganese iron cobalt nickel copper niobium molybdenum technetium ruthenium rhodium palladium silver tantalum tungsten rhenium osmium iridium platinum and gold.

No. of Pages : 16 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042636 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NRF2 REGULATORS

(51) International classification :C07D249/18,A61K31/4192,A61P11/00
(31) Priority Document No :62/175501
(32) Priority Date :15/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/053544
Filing Date :15/06/2016
(87) International Publication No :WO 2016/203400
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LI Tindy
3)YAN Hongxing
4)HEIGHTMAN Thomas Daniel
5)WOOLFORD Alison Jo Anne
6)GRIFFITHS JONES Charlotte Mary
7)WILLEMS Hendrika Maria Gerarda

(57) Abstract :
The present invention relates to aryl analogs Formula (I), pharmaceutical compositions containing them and their use as Nrf2 regulators.

No. of Pages : 99 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201717042637 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : LITHIUM METAL BATTERY WITH SOLID POLYMER ELECTROLYTE

(51) International classification	:H01M10/0562,H01M6/14,H01M6/18
(31) Priority Document No	:62/170963
(32) Priority Date	:04/06/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/035628 :03/06/2016
(87) International Publication No	:WO 2016/196873
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)ZIMMERMAN Michael A.
2)LEISING Randy

(57) Abstract :
A battery having a lithium metal anode a solid polymer electrolyte and a cathode material enabling high voltage discharge.

No. of Pages : 31 No. of Claims : 104

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2016

(21) Application No.201614036709 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : INHALATION DEVICE FOR LOCAL VENTILATION SYSTEM •

(51) International classification	:F01P5/10
(31) Priority Document No	:10-2016-0111333
(32) Priority Date	:31/08/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KIM, Hyung Ryer

(57) Abstract :
Disclosed herein is an intake apparatus for a local ventilation system, which may include a connection opening; a hood configured to connect an intake opening larger than the connection opening; an intake duct coupled to the hood while communicating with the connection opening; and an intake fan which is installed at a peripheral portion of the intake opening so as to generate an intake air current in the direction of the connection opening, wherein the intake fan is provided multiple in number in the circumference direction of the intake opening so as to generate an intake air current flowing from the intake opening to the connection opening, and a mixed flow prevention body is formed protruding in a partition shape from the intake opening to the intake duct along the inner side of a corner of the hood, and a plurality of lattice exhaust guide flow passages are disposed on straight lines and are isolated from each other, and an air current alignment lattice is installed in the inner space of the intake duct for the lattice exhaust guide flow passage to be disposed in the longitudinal direction of the intake duct, whereby the air flow speed inside the intake duct and the whole exhaust efficiency of the local ventilation system can be enhanced.

No. of Pages : 35 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037855 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FLEXIBLE TRANSMISSION GRID

(51) International classification :H04L1/00,H04L5/00
(31) Priority Document No :62/352442
(32) Priority Date :20/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/053600
Filing Date :16/06/2017
(87) International Publication No :WO 2017/221121
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PARKVALL Stefan
2)BALDEMAIR Robert
3)DAHLMAN Erik

(57) Abstract :
A system and method for scheduling a transmission of a message in a communication system. In an embodiment the method (1000) includes identifying (1020) major reference points (410) and minor reference points (420) associated with a subframe (440). The method (1000) also includes scheduling (1030) a transmission of the message (400) to begin on one of the minor reference points (420) between the major reference points (410).

No. of Pages : 25 No. of Claims : 176

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043713 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SECURITY DEVICES AND METHODS OF MANUFACTURE THEREOF

(51) International classification :B42D25/445
(31) Priority Document No :1510073.8
(32) Priority Date :10/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051709
Filing Date :09/06/2016
(87) International Publication No :WO 2016/198876
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LISTER Adam
2)HOLMES Brian William

(57) Abstract :
A method of manufacturing an image element array for a security device is disclosed. The method comprises:(a) providing a metallised substrate web comprising a substrate having a first metal layer thereon on a first surface of the substrate the first metal layer being soluble in a first etchant substance;(b) applying a first photosensitive resist layer to the first metal layer;(c) exposing the first photosensitive resist layer to radiation of a wavelength to which the resist layer is responsive through a patterned mask by conveying the substrate web along a transport path and during the exposure moving the patterned mask alongside the substrate web along at least a portion of the transport path at substantially the same speed as the substrate web such that there is substantially no relative movement between the mask and the substrate web wherein the patterned mask comprises first pattern elements in which the mask is substantially opaque to the radiation and second pattern elements in which the mask is substantially transparent to the radiation whereupon the exposed second pattern elements of the first photosensitive resist layer react resulting in increased solubility by a second etchant substance the non exposed first pattern elements remaining relatively insoluble by the second etchant substance; and(d) applying the first and second etchant substances to the substrate web whereupon the second pattern elements of both the first resist layer and the first metal layer are dissolved the remaining first pattern elements of the first metal layer forming an image element array.

No. of Pages : 73 No. of Claims : 83

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043751 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : BATTERY HAVING ALUMINUM ANODE AND SOLID POLYMER ELECTROLYTE

(51) International classification :H01M10/056,H01M10/05,H01M10/054
(31) Priority Document No :62/172467
(32) Priority Date :08/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036176
Filing Date :07/06/2016
(87) International Publication No :WO 2016/200785
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)GAVRILOV Alexei B.
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4)SMITH Keith

(57) Abstract :
A battery having polyvalent aluminum metal as the electrochemically active anode material and also including a solid ionically conducting polymer material.

No. of Pages : 21 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201717043753 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SOLAR POWER GENERATION DISTRIBUTION AND COMMUNICATION SYSTEM

(51) International classification :H02J3/12,H02J3/28,H02J3/38
(31) Priority Document No :14/707830
(32) Priority Date :08/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031277
Filing Date :06/05/2016
(87) International Publication No :WO 2016/182931
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ESTES Christopher A.

(57) Abstract :
A solar panel (400) is disclosed that can be daisy chained with other solar panels (100a n). The solar panel (400) automatically generates output alternative current (AC) power (195) that is in parallel with input AC power (112) coming into the solar panel (400) when the solar panel (400) senses the input AC power (112) so that the solar panel (400) operates as a slave in this state. The solar panel (400) automatically generates standalone AC output power (195) when the solar panel (400) fails to detect input AC power (112) coming into the solar panel (400) where the solar panel operates as a master in this state. The solar panel (400) generates the standalone output AC power (195) without any reliance on input AC power (112) generated by a utility grid and/or other AC power sources external to the solar panel (400).

No. of Pages : 106 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/11/2017

(21) Application No.201717039134 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR OLEFIN POLYMERIZATION

(51) International classification :C08F2/34,C08F2/01,C08F210/02
(31) Priority Document No :62/148928
(32) Priority Date :17/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027835
Filing Date :15/04/2016
(87) International Publication No :WO 2016/168655
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SAVATSKY Bruce J.
2)PEQUENO R. Eric

(57) Abstract :
Methods and systems for olefin polymerization are provided. The method for olefin polymerization can include flowing a catalyst through an injection nozzle and into a fluidized bed disposed within a reactor. The method can also include flowing a feed comprising one or more monomers, one or more inert fluids, or a combination thereof through the injection nozzle and into the fluidized bed. The feed can be at a temperature greater than ambient temperature. The method can also include contacting one or more olefins with the catalyst within the fluidized bed at conditions sufficient to produce a polyolefin.

No. of Pages : 40 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/10/2017

(21) Application No.201717038303 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PORTABLE DEVICE FOR SUNSCREEN APPLICATION AND PROMPTING METHOD FOR SUNSCREEN APPLICATION

(51) International classification :A45D44/00,G01J1/42
(31) Priority Document No :201610608101.6
(32) Priority Date :28/07/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/074391
Filing Date :22/02/2017
(87) International Publication No :WO 2018/018884
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SUN Junmin
2)LI Tailiang
3)HUANG Guodong

(57) Abstract :
A portable device (100) for sunscreen application and a prompting method for sunscreen application. The portable device (100) for sunscreen application comprises: a UV processor (101) and a sunscreen container (102) connected to the UV processor (101). The UV processor (101) comprises: a UV detector for detecting UV light and acquiring a current UV intensity and a sunscreen application prompting unit for transmitting an early warning prompt for applying a sunscreen with a protection level corresponding to the current UV intensity. The sunscreen container (102) is used for containing sunscreens with different protection levels. The UV processor (101) and the sunscreen container (102) are disposed together. The UV processor (101) can detect a current UV intensity level via the UV detector and prompt a user to indicate the user to apply a suitable sunscreen.

No. of Pages : 18 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201611029805 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYNERGISTIC HERBICIDAL FORMULATION COMPRISING COMBINATION OF QUIZALOFOP ETHYL AND OXYFLUORFEN

(51) International classification :C07D339/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)KUMAR, Vijay

(57) Abstract :
The present invention relates to a synergistic herbicidal formulation including a combination of Quizalofop ethyl in an amount 4% by weight of the formulation, Oxyfluorfen in an amount 6% by weight of the formulation, and at least one agro chemically acceptable excipient for the control of agricultural narrow and broad leaf weeds in onion.

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/01/2017

(21) Application No.201714002262 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : POWER CONVERSION APPARATUS FOR PHOTOVOLTAIC POWER GENERATION, CONTROL METHOD, AND PHOTOVOLTAIC POWER GENERATION SYSTEM

(51) International classification	:G05F1/67
(31) Priority Document No	:2016-168937
(32) Priority Date	:31/08/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Tomomichi lTO

(57) Abstract :
To provide a power conversion apparatus for photovoltaic power generation having a control unit that enables the power conversion apparatus for photo voltaic power generation to suppress its output properly in accordance with an output power suppression command, and the like. The power conversion apparatus for photo voltaic power generation that converts direct-current power outputted by a solar panel into alternating-current power with a power converter, in which a control unit for controlling the power converter includes a direct-current voltage control unit for controlling a panel voltage of the solar panel and an active power control unit for controlling the output power of the power converter, and is characterized by switching an output of the direct-current voltage control unit and an output of the active power control unit in response to a command from the outside and giving a gate pulse signal for driving the power converter.

No. of Pages : 53 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2017

(21) Application No.201717038519 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FINGERPRINT IDENTIFICATION MODULE AND MANUFACTURING METHOD AND DRIVING METHOD OF SAME AND DISPLAY DEVICE

(51) International classification :G06K9/00
(31) Priority Document No :201610514151.8
(32) Priority Date :30/06/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/085532
Filing Date :23/05/2017
(87) International Publication No :WO 2018/001002
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)DING Xiaoliang
5)XU Rui
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7)ZHAO Lijun
8)GUO Yuzhen
9)WANG Pengpeng
10)LIU Wei
11)LU Pengcheng

(57) Abstract :
Provided are a fingerprint identification module and manufacturing method and driving method of the same, and a display device. The fingerprint identification module includes a substrate (100), and a plurality of fingerprint identification modules (110) arranged in an array on the substrate (100), wherein each of the fingerprint identification modules (110) includes a lower electrode (101), an upper electrode (102), and a photocurrent generating unit connected between the upper electrode (102) and the lower electrode (101), the photocurrent generating unit including a PN junction (103), the PN junction (103) being connected to the upper electrode (102) at one end and being connected to the lower electrode (101) at the other end. The fingerprint identification module is applied to an OLED display panel to realize the OLED display panel with a fingerprint identification function.

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043281 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COMPOSITIONS AND METHODS FOR DETECTING PATHOGENS IN RESPIRATORY TRACT INFECTIONS

(51) International classification :C12N15/11,C12Q1/68,C12Q1/14
(31) Priority Document No :201510230691.9
(32) Priority Date :08/05/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/000245
Filing Date :06/05/2016
(87) International Publication No :WO 2016/180037
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CAPITALBIO CORPORATION
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2)TSINGHUA UNIVERSITY
(72)**Name of Inventor :**
1)XIANG Guangxin
2)WANG Can
3)XING Wanli
4)CHENG Jing

(57) Abstract :
Provided are LAMP primers for detecting the respiratory tract infection pathogen(s) and kits chips and systems comprising the LAMP primers. Also provided is a method of detecting a pathogen (e.g. a respiratory tract infection pathogen) or confirming the identity of the pathogen using LAMP primers immobilized in a biochip.

No. of Pages : 97 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043288 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ELECTROMAGNETIC DEVICE

(51) International classification :H02K41/02
(31) Priority Document No :PCT/CN2015/081219
(32) Priority Date : -
(33) Name of priority country :
(86) International Application No :PCT/CN2015/081219
Filing Date :11/06/2015
(87) International Publication No :WO 2016/197352
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HSU Yungshun
2)HSU Mingchun
3)HSU Wenyu

(57) Abstract :
Disclosed is an electromagnetic device especially an electromagnetic device which can solve a kinetic energy loss caused by an accreted magnet under a load. The electromagnetic device is mainly composed of a stator and a rotor which can move relative to each other characterized in that a movement direction of the rotor is parallel to a magnetic line for generating a double magnetic point; and one end facilitating a forward direction of movement in two ends of a magnetizer (21) of an induction coil group (20) serving as the stator or rotor is provided with a magnetic yoke (25) of a larger diameter for using a unilateral magnetic yoke to break an accreted magnetic balance which can magnify a horizontal vector component force and reduce a dynamic loss rate so as to improve an energy conversion rate.

No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043292 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MANNOSE DERIVATIVES FOR TREATING BACTERIAL INFECTIONS

(51) International classification :C07D405/14,C07D413/14,C07D405/06
(31) Priority Document No :62/174662
(32) Priority Date :12/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/053469
Filing Date :13/06/2016
(87) International Publication No :WO 2016/199105
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GALLANT Michel
2)TRUCHON Jean Francois
3)REDDY Thumkunta Jagadeeswar
4)DIETRICH Evelyne
5)VAILLANCOURT Louis
6)VALLEE Frederic

(57) Abstract :
The compounds represented by Formula (I) or pharmaceutically acceptable salts thereof: with U W X Y Z p and ring A as defined in claim 1. Those compounds are useful for the treatment or prevention of bacteria infections. The variables of Formula (I) are as described herein. Pharmaceutically acceptable compositions comprise the compounds of Formula (I) or pharmaceutically acceptable salts thereof and pharmaceutically acceptable carriers adjuvants or vehicles. Methods of treating bacteria infections employ such compounds or pharmaceutically acceptable salts thereof.

No. of Pages : 105 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043299 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD OF MAKING TOBACCO CUT FILLER

(51) International classification :A24B13/00,A24B5/16,A24B15/12
(31) Priority Document No :15169992.3
(32) Priority Date :29/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062008
Filing Date :27/05/2016
(87) International Publication No :WO 2016/193147
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PHILIP MORRIS PRODUCTS S.A.
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(72)**Name of Inventor :**
1)ZUCHUAT Fabien
2)VIRAG Otto

(57) Abstract :
A tobacco cut filler comprises a first tobacco material cut in accordance with a first cut specification wherein the first cut specification sets at least predetermined first cut width and first cut length.

No. of Pages : 15 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201717044257 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NEW DENTAL SUCTION MIRROR TOOL

(51) International classification :A61B1/247,A61C17/02
(31) Priority Document No :239582
(32) Priority Date :22/06/2015
(33) Name of priority country :Israel
(86) International Application No :PCT/IL2016/050627
Filing Date :15/06/2016
(87) International Publication No :WO 2016/207876
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TAVOR David
2)AVRAMOV Nissim
3)HAIMOVICH Roee

(57) Abstract :
The invention provides a disposable dental mirror tool combined with a dental suction device which can be an integral part of the tool or may be inserted into the tool enabling simultaneously viewing the patients mouth and cleaning debris formed during dental procedures.

No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2017

(21) Application No.201714007106 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : OXIDE SUPERCONDUCTOR AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:H01L39/24
(31) Priority Document No	:2016-163147
(32) Priority Date	:23/08/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan Japan
(72)**Name of Inventor :**
1)Takeshi ARAKI
2)Hirotaka ISHII
3)Nao KOBAYASHI

(57) Abstract :
An oxide superconductor of an embodiment includes an oxide superconductor layer having a continuous Perovskite structure including rare earth elements, barium (Ba), and copper (Cu). The rare earth elements include a first element which is praseodymium, at least one second element selected from the group consisting of neodymium, samarium, europium, and gadolinium, at least one third element selected from the group consisting of yttrium, terbium, dysprosium, and holmium, and at least one fourth element selected from the group consisting of erbium, thulium, ytterbium, and lutetium. When the number of atoms of the first element is N(PA), the number of atoms of the second element is N(SA), and the number of atoms of the fourth element is N(CA), $1.5 — (N(PA) + N(SA)) \leq N(CA)$ or $2 — (N(CA) - N(PA)) \leq N(SA)$ is satisfied.

No. of Pages : 103 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2017
(21) Application No.201717031321 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TOUCH SENSOR TOUCH DETECTION APPARATUS AND DETECTION METHOD AND TOUCH CONTROL DEVICE

(51) International classification :G06F3/041,G06F3/044
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/085999
Filing Date :16/06/2016
(87) International Publication No :WO 2017/214928
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SHENZHEN GOODIX TECHNOLOGY CO. LTD.
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(72)**Name of Inventor :**
1)XIAO Yu

(57) Abstract :
A touch sensor, a touch detection apparatus and a detection method, and a touch control device. The touch sensor comprises a first electrode layer (21), a rigid insulation layer (24), a second electrode layer (22), a compressible layer (25) and a third electrode layer (23) arranged in sequence. The compressible layer (25) can change the distance between the second electrode layer (22) and the third electrode layer (23) when under a touch press force. The second electrode layer (22) and the third electrode layer (23) can form a capacitor structure, wherein the capacitance value of the capacitor structure changes along with the change in the distance between the second electrode layer (22) and the third electrode layer (23). According to the change in the capacitance value, press information about a touch operation of a user can be calculated. During specific implementation, all the electrode layers can multiplex some parts, having electrode layers, originally existing in a touch control device, which means that high sensitivity touch press detection is achieved without increasing the thickness and costs of the device, thus improving the user experience.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/11/2017

(21) Application No.201717039508 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TECHNIQUE FOR MANAGING PROFILE IN COMMUNICATION SYSTEM

(51) International classification	:H04W12/06,H04W12/08,H04W8/20
(31) Priority Document No	:62/146622
(32) Priority Date	:13/04/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/KR2016/003858 :12/04/2016
(87) International Publication No	:WO 2016/167551
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)SAMSUNG ELECTRONICS CO. LTD.
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(72)**Name of Inventor :**
1)PARK Jong Han
2)LEE Duc key
3)LEE Sang Soo
4)YEOUM Tae Sun
5)LEE Hye Won

(57) Abstract :
Disclosed are: a communication technique for fusing, with IoT technology, a 5G communication system for supporting a data transmission rate higher than that of a 4G system; and a system therefor. Provided is a method for installing a profile of a terminal having an embed universal integrated circuit card (eUICC) in a mobile communication system, the method comprising the steps of: making a request for an eUICC authentication certificate to an eUICC so as to receive the eUICC authentication certificate; and transferring a profile package to the eUICC so as to install a profile, wherein the received eUICC authentication certificate further comprises an eUICC manufacturer (EUM) authentication certificate.

No. of Pages : 128 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/05/2017
(21) Application No.201714017345 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TURBINE

(51) International classification	:F03B 15/04	(71)**Name of Applicant :** **1)MITSUBISHI HITACHI POWER SYSTEMS, LTD.** Address of Applicant :3-1, Minatomirai 3-chome, Nishi-ku, Yokohama 220-8401, Japan Japan
(31) Priority Document No	:2016-166385	
(32) Priority Date	:29/08/2016	(72)**Name of Inventor :**
(33) Name of priority country	:Japan	**1)Shigeki SENOO**
(86) International Application No	:NA	**2)Hisataka FUKUSHIMA**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
A turbine 9 includes a turbine rotor 12, a stationary body 14 that covers the turbine rotor 12, and a diffuser 10 provided on an outlet side of the stationary body 14. Last-stage moving blades 21d of the turbine rotor 12 include blade sections 26 and covers 27 provided at distal ends of the blade sections 26. The diffuser 10 is formed such that an outer circumferential surface 46 of an inlet section is small in diameter with respect to an inner circumferential surface 45 of an outlet section of the stationary body 14 and a circumferential wall section of the inlet section at least partially overlaps the covers in a radial direction when viewed from the axial direction. An annular gap space 42 between the stationary body 14 and the covers 27 faces a space on an outer side of an outer circumferential surface of the diffuser 10 when viewed from the axial direction.

No. of Pages : 42 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/09/2017

(21) Application No.201717031867 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DOUBLE SIDED SECURITY ELEMENT

(51) International classification :B42D25/355,B42D25/29,B42D15/00
(31) Priority Document No :PCT/EP2015/059698
(32) Priority Date :04/05/2015
(33) Name of priority country :PCT
(86) International Application No :PCT/EP2015/059698
Filing Date :04/05/2015
(87) International Publication No :WO 2016/177391
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BALLABIO Eligio
2)BELLI Alberto
3)PALLOTTA Pasquale

(57) Abstract :
The invention describes a security element having a transparent film (1), a pattern (2) of transparent (22) and non-transparent regions (21) on a first side A of the film, and a pattern (3) of transparent (32) and non-transparent regions (31) on a second side B of the film (1). The pattern (3) on the second side B of the film (1) matches or is in register with the pattern (2) on the first side A of the film (1). A colour changing layer (4) covers the pattern (2,3) on at least one side A, B of the transparent film (1).

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/11/2017

(21) Application No.201717039702 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND APPARATUS FOR HEAT TREATMENT OF A FERROUS MATERIAL USING AN ENERGY BEAM

(51) International classification	:C21D9/30,C21D1/09,B23K26/082
(31) Priority Document No	:15382242.4
(32) Priority Date	:08/05/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/060226 :06/05/2016
(87) International Publication No	:WO 2016/180736
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SANCHO D • AZ Paula
2)IGLESIAS VALLE Irati
3)DOM • NGUEZ COBREROS Jesºs

(57) Abstract :
The invention relates to a method and apparatus for heat treatment of an object such as for hardening of objects with complex shapes such as crankshafts. The method comprises the step of projecting an energy beam (1) such as a laser beam onto a surface of the object (1000) operating a scanner (2) so as to repetitively scan the beam (1) to displace a primary spot (11) in accordance with a first scanning pattern so as to establish an effective spot (12) on the object and displacing said effective spot (12) in relation to the surface of the object (1000). The beam follows an optical path between the scanner (2) and the surface of the object (11) and a beam deflector device (3 3A) is placed in the optical path to redirect the beam. The beam deflector device can be placed close to the surface of the object.

No. of Pages : 32 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/07/2016

(21) Application No.201611025331 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NOVEL PAINT COMPOSITION

(51) International classification	:C09D5/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HARSHA KHARKWAL

(57) Abstract :
The present invention relates to a novel paint composition comprising hydroxypropyl Cassia grandis and similar gums along with Horse chestnut oil, indigo dye powder, neem oil etc which once painted on wall repels mosquitoes and other insects. The paint composition according to the invention can be aqueous or solvent-based type. In the present invention, the paint used is the aqueous type such as for example, emulsion paint.

No. of Pages : 10 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031000 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS AND COMPOSITIONS FOR ANALYZING CELLULAR COMPONENTS

(51) International classification :C12Q1/68
(31) Priority Document No :62/114505
(32) Priority Date :10/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/017391
Filing Date :10/02/2016
(87) International Publication No :WO 2016/130704
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)GUNDERSON Kevin L.
2)STEEMERS Frank J.
3)FISHER Jeffrey S.
4)RIGATTI Roberto

(57) Abstract :
Embodiments of the present invention relate to analyzing components of a cell. In some embodiments the present invention relate to analyzing components of a single cell. In some embodiments the methods and compositions relate to sequencing nucleic acids. In some embodiments the methods and compositions relate to identifying and/or quantitating nucleic acid proteins organelles and/or cellular metabolites.

No. of Pages : 64 No. of Claims : 102

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031001 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DEGRADABLE THIOL-ENE POLYMERS AND METHODS OF MAKING THEREOF

(51) International classification	:A61K47/48,C12N9/96,C07K1/107
(31) Priority Document No	:62/114034
(32) Priority Date	:09/02/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/017189 :09/02/2016
(87) International Publication No	:WO 2016/130573
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KAZANTSEV Alexei V.
2)MARINER Peter D.
3)STANTON Martin

(57) Abstract :
Provided are methods for linking polypeptides (including peptides and proteins) to other moieties using radical imitated thiol-ene chemistries, for example, modifying a polypeptide by introducing reactive thiol groups and reacting the thiol groups with olefin-containing reagents or alkyne-containing reagents under conditions that support radical thiol-ene or thiol-yne reactions. The reactive thiol groups have greater activity for radical thiol-ene reactions that a cysteine thiol group, including thiol groups that are separated from the peptide backbone by at least two carbon atoms, for example, the thiol group of a homocysteine residue. Also provided are compositions and biomaterials containing the linked polypeptides, for example, peptide and protein conjugates, and thiol-ene based biocompatible hydrogel polymers, and their uses in the medical field.

No. of Pages : 114 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/09/2017

(21) Application No.201717031002 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SOLID DISPERSIONS

(51) International classification :A61K9/10,A61K9/16,A61K47/34
(31) Priority Document No :62/132277
(32) Priority Date :12/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/021643
Filing Date :10/03/2016
(87) International Publication No :WO 2016/145132
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GUAN Jian
2)MAO Shirui
3)HELGERUD Trond
4)ZHANG Yeli

(57) Abstract :
A solid dispersion comprising: (a) a pharmaceutical active ingredient or a nutraceutical active ingredient having a low solubility; and (b) sodium or potassium alginate. In addition, a drug dosage form prepared from such a solid dispersion.

No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/11/2017

(21) Application No.201717039268 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD OF MAKING BLEACHED MICROCRYSTALLINE CELLULOSE

(51) International classification :D21C9/16,C08B1/00,C08B15/00
(31) Priority Document No :62/161545
(32) Priority Date :14/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031086
Filing Date :06/05/2016
(87) International Publication No :WO 2016/182867
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TAN Zheng
2)EUSTACE Simon
3)SESTRICK Michael
4)ONDOV Jeremy

(57) Abstract :
method of producing bleached microcrystallme cellulose which method comprises neutralizing or alkalizing an acidic microcrystallme production reaction mixture slurry, typically produced by acid hydrolysis or by electronic beam irradiation, followed by adding an oxidant to such reaction mixture. This practice of this method permits the production of microcrystallme cel lulose having desirable color stability as well as compression characteristics suitable for pharmaceutical binder use from paper grade S and other low purity pulps.

No. of Pages : 14 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/11/2017

(21) Application No.201717039314 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ANTIMICROBIAL THERAPY

(51) International classification :A61K35/74,A61K35/741,A61P31/04
(31) Priority Document No :62/157248
(32) Priority Date :05/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031067
Filing Date :05/05/2016
(87) International Publication No :WO 2016/179440
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)NAKATSUJI Teruaki
2)GALLO Richard L.

(57) Abstract :
Methods and compositions comprising hogocidin peptides (SH- lantibiotics), derivatives and variants are provided. Also provided are methods and compositions comprising probiotic compositions utilizing strains of S. hominis and S. epidermidis that produce hogocidin, hogocidin-like peptides, or other inhibitors of skin pathogens. Methods of treatment for microbial skin infections and atopic dermatitis are also provided.

No. of Pages : 58 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/08/2017

(21) Application No.201714028824 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : REINFORCED GEOCELL AND A METHOD FOR PRODUCING THE SAME

(51) International classification :E01F7/04
(31) Priority Document No :RU 2016134935
(32) Priority Date :26/08/2016
(33) Name of priority country :Russia
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)AZARKH Mikhail Mikhailovich
2)ODINOKOV, Aleksandr Vladimirovich

(57) Abstract :
The invention relates to the construction industry, in particular to a reinforced geocell and to a method for producing the same. The reinforced geocell is made of flexible polymeric strips arranged in rows and interconnected in a staggered order lengthwise to form a three-dimensional cell structure when stretched in the direction normal to surfaces of the strips. The strips are provided with drainage apertures and are reinforced in a longitudinal direction with reinforcing threads consisting of at least two fibrous elements twisted along full lengths thereof. According to the proposed method for producing a geocell, a melted polymeric material is extruded for producing a sheet material, twisted reinforcing threads are laid onto the sheet material, the sheet material is calendered when heated to 120 to 200°C for ensuring pressing the reinforcing threads into the sheet material, a reinforced sheet material is cut into sheets, the sheets are perforated for producing drainage apertures and cut into strips, and the strips are interconnected in a staggered order to form a three-dimensional cell structure. The technical effect is improved reliability of holding the reinforcing elements in the strips and improved tensile strength of the geocell at stretching and shear loads. Figure: 3

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/07/2017

(21) Application No.201717023482 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MODULATION OF RELEASE RATE FROM MICROENCAPSULATED PESTICIDES

(51) International classification :A01N25/28,A01N37/26,A01N37/40
(31) Priority Document No :62/100421
(32) Priority Date :06/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/012354
Filing Date :06/01/2016
(87) International Publication No :WO 2016/112116
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :800 North Lindbergh Boulevard Saint Louis Missouri 63167 U.S.A.
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2)HEMMINGHAUS John W.
3)FRIEDMAN Todd Charles
4)DENG Wenjin
5)YUAN Liwei

(57) Abstract :
Aqueous pesticidal mixtures comprising a microencapsulated pesticide and an agent that modulates the release rate of the pesticide from the microcapsules are described. Also described are various methods of modulating the release rate of a microencapsulated pesticide in a pesticidal mixture. Further various pesticidal mixtures comprising a microencapsulated pesticide and a co pesticide that provides for enhanced crop safety are described.

No. of Pages : 50 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/12/2016

(21) Application No.201614045011 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DISPLAY PANEL HAVING BUILT-IN TOUCHSCREEN, DISPLAY DEVICE HAVING BUILT-IN TOUCH SCREEN, INTEGRATED DRIVING CIRCUIT, AND DRIVING METHOD

(51) International classification	:H01T1/24
(31) Priority Document No	:10-2016-0111624
(32) Priority Date	:31/08/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :(Yeouido-dong) 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea, Republic of Korea
(72)**Name of Inventor :**
1)GWON, Hyangmyoung
2)JUNG, JiHyun
3)AN, SuChang
4)LEE, JaeGyun

(57) Abstract :
A display panel having a built-in touchscreen, a display device having a built-in touchscreen, an integrated driving circuit, and a driving method. The display panel includes an integrated pad electrically connected to an integrated driving circuit, a data line electrically connected to the integrated pad, and a touch line electrically connected to the integrated pad. The data line is electrically connected to and the touch line. The display device includes the display panel.

No. of Pages : 81 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/11/2017

(21) Application No.201717039015 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND DEVICE FOR PREVENTING TOUCH SCREEN EDGE MISOPERATION

(51) International classification :G06F3/0488
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/087930
Filing Date :30/06/2016
(87) International Publication No :WO 2018/000343
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Address of Applicant :Floor 13 Phase B Tengfei Industrial Building Futian Free Trade Zone Shenzhen Guangdong 518000 China
(72)**Name of Inventor :**
1)ZHANG Ping
2)CHENG Deng

(57) Abstract :
A method for preventing touch screen edge misoperation touch operation processing method and device. The method comprises: determining a first touch region according to a touch operation at a touch screen edge (S11); forming a second touch region according to coordinate information of a touch point in the first touch region (S12); if touch points in the second touch region are arranged parallel to a right edge of the touch screen forming a third touch region according to a longest column and a column on the left side of the longest column in the second touch region (S13); determining whether a ratio between a length and a width of the third touch region is less than or equal to a preset threshold (S14); if the ratio is less than or equal to the preset threshold determining the touch operation as a normal operation (S15); and if the ratio is greater than the preset threshold determining the touch operation as a misoperation (S16). By using the method and device misoperations can be accurately identified thus increasing the accuracy of identifying misoperations.

No. of Pages : 60 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/08/2017

(21) Application No.201714027511 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : OVERHEAD VALVE ACTUATION MECHANISM FOR ENGINE

(51) International classification :F01K15/00
(31) Priority Document No :2016-167199
(32) Priority Date :29/08/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Koichi TANAKA
2)Kunio ARASE

(57) Abstract :
A rocker arm includes a pivot portion that is journaled by a rocker arm shaft, a contact portion that projects from the pivot portion to a side of a valve cam, and a pressing portion that projects from the pivot portion to a side of a valve. While including a slipper projecting from the pivot portion in outer side in an axial direction to a side of a camshaft, an overhead valve actuation mechanism for the engine includes a stopper portion with which the slipper comes in contact when the rocker arm swings and reaches a predetermined position at a position opposing the slipper.

No. of Pages : 44 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/08/2017

(21) Application No.201714027750 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MULTI-PORT CAP FOR REAGENT CONTAINER

(51) International classification :F01K15/00
(31) Priority Document No :15/252,550
(32) Priority Date :31/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :U.S. Route 22, Somerville, New Jersey U.S.A.
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1)NGUYEN, Nick N.
2)FANG, Yan

(57) Abstract :
A liquid distribution system is configured to deliver a disinfectant solution to a medical device within an enclosure. A disinfectant concentration measuring subsystem includes a mixing chamber, a reservoir, a reservoir cap, a pump, and a concentration analysis assembly. The first mixing chamber is in fluid communication with an outlet of the liquid distribution system. The reservoir is configured to contain a reagent solution and is in fluid communication with the mixing chamber. The reservoir cap includes a static member, which is configured to couple with a supply conduit and a return conduit; and a rotating member, which is configured to rotate relative to the static member to couple the reservoir cap with the reservoir. The pump is configured to simultaneously pump the disinfectant solution and the reagent solution into the mixing chamber. The concentration analysis assembly is operable to determine a concentration of disinfectant output from the mixing chamber.

No. of Pages : 61 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/09/2017

(21) Application No.201717033355 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TOUCH DETECTION CIRCUIT FINGERPRINT MODULE AND CONTROL METHOD THEREOF

(51) International classification :G06K9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/085613
Filing Date :13/06/2016
(87) International Publication No :WO 2017/214820
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DU Canhong
2)YI Fujian

(57) Abstract :
The invention relates to the technical field of the displays and discloses a touch detection circuit fingerprint module and control method thereof. According to the present invention the fingerprint module specifically comprises: a fingerprint sensor a metal decoration part a touch detection circuit and a processing unit. When a finger of a user touches the metal decoration part the touch detection circuit generates a first trigger signal; the processing unit is connected to the touch detection circuit and the fingerprint sensor; the processing unit generates a finger touch signal when receiving the first trigger signal generated by the touch detection circuit and/or a fingerprint sensing signal generated by the fingerprint sensor. Also provided is a control method of the fingerprint module. According to the invention a metal decoration ring and the fingerprint sensor are used together for detection so that the overall detection range of the fingerprint module is broadened thus reducing the detection dead zone of the finger and increasing the detection accuracy of the fingerprint module for a touch detection function.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/07/2017

(21) Application No.201717025083 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : WEAR ADJUSTMENT MECHANISM FOR A CLUTCH DEVICE PARTICULARLY FOR MOTOR VEHICLE

(51) International classification :F16D13/75
(31) Priority Document No :1550320
(32) Priority Date :15/01/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/050076
Filing Date :15/01/2016
(87) International Publication No :WO 2016/113514
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LEBAS Gilles
2)MAUREL Herv
3)DEQUESNES Laurent
4)COMMEINE Emmanuel

(57) Abstract :
The invention relates to a wear adjustment mechanism for a clutch device particularly for motor vehicle and comprising: a wear adjustment member (12) including a first ramp (14) for engaging with a first counter ramp (15); and a wear detection member (16) including a second ramp (18) for engaging with a second counter ramp (15). The wear adjustment member (12) is movable relative to the wear detection member (16). Said mechanism is characterized in that it comprises means (20) for centering the wear adjustment member (12) relative to the wear detection member (16) wherein said means are mounted onto the wear adjustment member (12) and/or the wear detection member (16) and are movable with the member (12 16) on which the centering means (20) are mounted.

No. of Pages : 27 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/09/2017

(21) Application No.201717034633 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : NOVEL AND USEFUL EDIBLE SALT AND METHODS OF USE AND PRODUCTION THEREOF

(51) International classification :A23L27/40
(31) Priority Document No :62/139802
(32) Priority Date :30/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2016/050332
Filing Date :28/03/2016
(87) International Publication No :WO 2016/157178
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)E.K.SALT LTD.
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(72)**Name of Inventor :**
1)SHALOM Eitan

(57) Abstract :
A food additive useful as a table salt substitute in the form of a fine powder of a mixture of salts and acids ratio of Sodium Potassium Calcium and Magnesium elements in accordance with the recommended daily allowance for said elements issued by the American Food and Drug Administration

No. of Pages : 27 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/11/2017

(21) Application No.201717041724 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : REUSE PREVENTION DISPOSABLE SYRINGE

(51) International classification :A61M5/50,A61M5/315
(31) Priority Document No :1020160072943
(32) Priority Date :13/06/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/005948
Filing Date :08/06/2017
(87) International Publication No :WO 2017/217692
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CHANG Kyongtae
2)KIM Mansoo

(57) Abstract :
The present invention relates to a reuse-prevention disposable syringe and, more specifically, to a reuse-prevention disposable syringe, which has a means arranged to restrict the movement of a plunger and thus prevents the plunger from operating any more after a medicine is exhausted by using the plunger, thereby fundamentally preventing the disposal syringe from being reused.

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/06/2017

(21) Application No.201714021579 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ACOUSTIC EMISSION SENSOR HOLDER

(51) International classification :G01N29/14
(31) Priority Document No :15/246,654
(32) Priority Date :25/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)TAT, Hong H.
2)MITTLEIDER, John A.
3)SCHAEFER, Joseph D.
4)GARDNER, Scott H.
5)EDWARDS, James W.
6)HOLMES, Tyler M.

(57) Abstract :
A holder for attaching an acoustic emission sensor to a non-metallic and non¬magnetic material has a tubular body with a closed top end and an open bottom end through 5 which the sensor is insertable into the tubular body. The closed top end has a plurality of unitary flexible flaps angularly extending inwardly from an inner surface of the enclosed top end. An inner surface of the tubular body has a plurality of spacers extending radially inward proximate the bottom end of the tubular body. The unitary flexible flaps and the spacers fix the sensor within the tubular body. The tubular body may also have a plurality of capture 10 tabs extending outwardly from an exterior surface thereof proximate the open bottom end that are slidably and removably engageable with an engagement keyway in a retainer bracket that is affixed to a non-metallic and non-magnetic material.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022844 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : MELT BLOWN WEBS WITHOUT SHOTS AND WITH IMPROVED BARRIER PROPERTIES

(51) International classification	:C08F110/06,C08F8/50,D04H1/4291
(31) Priority Document No	:14197889.0
(32) Priority Date	:15/12/2014
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2015/079540 :14/12/2015
(87) International Publication No	:WO 2016/096690
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)VAN PARIDON Henk
3)WANG Jingbo
4)GAHLEITNER Markus
5)SARS Wilhelmus Henricus Adolf
6)TYNYS Antti

(57) Abstract :
Melt blown webs having no shots and improved barrier properties whereby the melt blown webs are made out of a so called controlled rheology propylene (CR PP) which was visbroken without any peroxide.

No. of Pages : 51 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022845 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AMIDO THIADIAZOLE DERIVATIVES AS NADPH OXIDASE INHIBITORS

(51) International classification :C07D417/04,C07D417/14,A61K31/4545
(31) Priority Document No :14198597.8
(32) Priority Date :17/12/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2015/059659
Filing Date :16/12/2015
(87) International Publication No :WO 2016/098005
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)SHARPE Andrew
3)LOCK Christopher James
4)CHAMBERS Mark S
5)HODGES Alastair
6)ALLEN Vivienne
7)ELLARD John M

(57) Abstract :
The present invention is related to amino thiazole derivatives of Formula (I) pharmaceutical composition thereof and to their use for the treatment and/or prophylaxis of disorders or conditions related to Nicotinamide adenine dinucleotide phosphate oxidase (NADPH Oxidase).

No. of Pages : 170 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2017

(21) Application No.201717022849 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : EQUIPMENT AND METHOD FOR TREATING A WORKPIECE

(51) International classification :B08B3/10,B08B9/00,B08B3/12
(31) Priority Document No :10 2015 203 323.6
(32) Priority Date :24/02/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/050086
Filing Date :05/01/2016
(87) International Publication No :WO 2016/134860
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :M¼hlenstrasse 12 70794 Filderstadt Germany
(72)**Name of Inventor :**
1)K„SKE Egon
2)GENZE Alexander

(57) Abstract :
The invention relates to equipment (10) for treating a work piece (14) with a process fluid (18) which work piece has a work piece body (32) comprising at least one hollow space (38) that extends from a first opening (36) to a second opening. The equipment (10) contains a conduit system for feeding the process fluid (18) which conduit system has at least one conduit channel (46) comprising an adapter (34) that is adapted to the work piece body (32) said adapter for connecting the conduit system to the at least one hollow space (38). According to the invention there is a process chamber (12) in the equipment (10) for accommodating the work piece (14) during treatment which process chamber has an outlet (26) for the removal of process fluid (18) introduced into the hollow space (38) for treating the work piece (14).

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/07/2017

(21) Application No.201717025994 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND APPARATUS FOR OPERATING A SECURITY SYSTEM

(51) International classification :H04N7/18,H04N5/232
(31) Priority Document No :1020140190724
(32) Priority Date :26/12/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/014113
Filing Date :22/12/2015
(87) International Publication No :WO 2016/105093
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)KIM Jun Hyung
2)KANSAL Apoorv
3)CHANG Youn Seog
4)KIM Se Hoon

(57) Abstract :
The present disclosure relates to a sensor network Machine Type Communication (MTC) Machine to Machine (M2M) communication and technology for Internet of Things (IoT). The present disclosure may be applied to intelligent services based on the above technologies such as smart home smart building smart city smart car connected car health care digital education smart retail security and safety services. Methods and apparatuses are provided for operating a camera in a security system. A video is recorded. A subject from the video is identified. A moving path of the subject is predicted. At least one neighboring camera corresponding to the moving path is discovered. At least one target camera is selected from among the at least one neighboring camera. A recording command including information about the subject and the moving path is transmitted to the at least one target camera.

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/08/2017

(21) Application No.201714029776 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : COOLING WATER STIRRER AND WATER PURIFIER HAVING THE SAME

(51) International classification	:H01F 27/16	(71)**Name of Applicant :** **1)LG ELECTRONICS INC.** Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea Republic of Korea
(31) Priority Document No	:10-2016-0106890	
(32) Priority Date	:23/08/2016	(72)**Name of Inventor :** **1)Jongwoo PARK** **2)Sangjoon LEE** **3)Seonwoong HWANG**
(33) Name of priority country	:Republic of Korea	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
A stirrer includes a stirring shaft; a plurality of mixing wings extending from the lower end of the stirring shaft and spaced from each other around the stirring shaft; and a conical hub connecting the lower ends of the mixing wings.

No. of Pages : 56 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2017
(21) Application No.201714030049 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CONVERTER AND CONTROL METHOD THEREOF

(51) International classification :H02M 5/10
(31) Priority Document No :201610790921.1
(32) Priority Date :31/08/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)Dao-Fei XU
3)Jian ZHOU
4)Le-Yang YANG
5)Qi FU
6)Jin-Fa ZHANG

(57) Abstract :
A converter includes a transformer, a main switch, an active clamp circuit, and a control circuit. The transformer includes a primary winding and a secondary winding, and is configured to receive an input voltage and output an output voltage to a load. The main switch is coupled between the primary winding and a primary ground terminal. The active clamp circuit includes an auxiliary switch and a clamp capacitor. The auxiliary switch is coupled to the clamp capacitor in series, and the active clamp circuit is coupled in parallel to the two terminals of the primary winding or the main switch, and is configured to clamp the voltage across the main switch when it is OFF. The control circuit outputs an auxiliary switch control signal to turn on the auxiliary switch when the voltage across the main switch is at its first peak of the resonant voltage.

No. of Pages : 44 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2017

(21) Application No.201714030096 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ISOTACTIC POLYPROPYLENE BASED COMPOSITE

(51) International classification :C08L53/02
(31) Priority Document No :2016/05959
(32) Priority Date :26/08/2016
(33) Name of priority country :South Africa
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BANDYOPADHYAY, Jayita
3)KHOZA, Mary
4)OJIJO, Vincent
5)SCRIBA, Manfred Rudolf

(57) Abstract :
This invention relates to a process for producing an isotactic polypropylene based composite, comprising: reactive blending of isotactic polypropylene homo-polymer; polypropylene grafted with a carboxylic anhydride or a furan type moiety such as maleic anhydride grafted polypropylene; and an amino silane such as (3-aminopropyl)triethoxysilane to produce an isotactic polypropylene based composite such that the crystallization temperature of the isotactic polypropylene based composite is in a range of about 120 oC to about 126 oC. The reactive blending can further take place in the presence of an organically modified nanoclay.

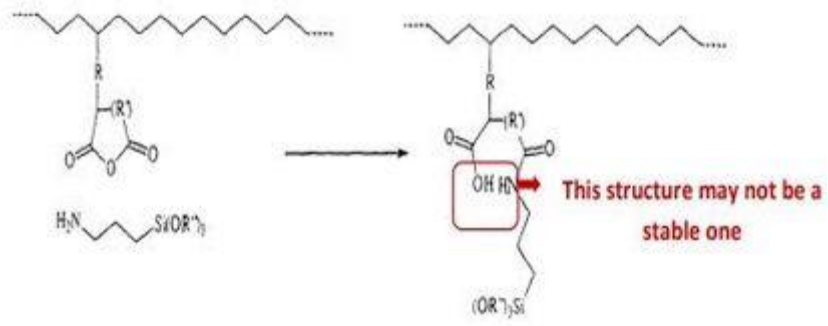

Figure 1

No. of Pages : 41 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2016

(21) Application No.201621006645 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SYSTEM FOR POWER TRANSMISSION IN VEHICLES USING RENEWABLE ENERGY SOURCES

(51) International classification :B60K16/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)Shinde Nilkant N
3)Desai Arvind Narayan
4)Desai Sneha Subhash

(57) Abstract :
The present invention is to provide a system for power transmission in vehicles using renewable energy sources. The system includes at least one photo voltaic panel and at least one wind turbine. The at least one photo voltaic panel is arranged exterior to a vehicle. The at least one wind turbine is configured on a front portion of the vehicle and arranged inside a duct. The duct is having an opening to direct air flow towards the wind turbine thereby rotating the turbine for generating electricity. The photovoltaic panel and the at least one wind turbine are connected to a battery bank for storing the electric output. Further a charge controller is provided for controlling the flow of electric output. The charge controller limits overcharging of the battery bank. Also, a master controller is integrated with the battery bank to regulate the supply of electric output from the battery bank thereby optimizing use of the electricity.

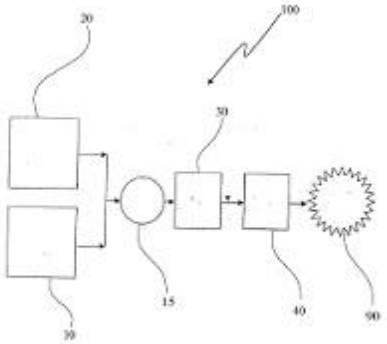

Figure 1

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016

(21) Application No.201621028665 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : THE UNIQUE COMBINATION OF HERBAL INGREDIENTS TO FORM A MULTI-FORMULATION PRODUCT WHICH HELPS IN MAINTAINING NATURAL HAIR COLOR AND HAIR FALL PREVENTION BY TREATING ITS ROOT CAUSE AND SUPPLEMENTING WITH VITAL NUTRIENTS AIDING NATURAL HAIR STRENGTH

(51) International classification	:A61K38/54
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)MR.AGRAWAL DARSHIT

(57) Abstract :
The invention discloses Eclipta alba (Bringaraj), Sesame seeds and Phyllanthus emblica (Indian Gooseberry) powder which has to be taken orally in a dosage of 5gm with 200ml water empty stomach in the morning, does not have side effects, consists of a special traditional Ayurveda medicinal formula and can be used for preventing abnormal alopecia, maintains natural hair color and strengthens the hair.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016
(21) Application No.201621028687 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A METHOD OF AN INTEGRATED FARMING

(51) International classification	:B65D 5/4805
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Deshmukh Kundan

(57) Abstract :
Abstract The present invention provides a method of an integrated farming. The method comprises steps of cultivating crops in a farm land. The yielded crops from the farm land are supplied to animals in an animal husbandry unit. Consequently, agricultural wastes from the farm land is supplied to a manure processing unit. Animal wastes are supplied from the animal husbandry unit to a biogas generation unit for generating biogas. Further, solid wastes are supplied from the biogas unit to the manure processing unit. The manure processing unit produces organic manure by processing the solid wastes and agricultural wastes. The produced organic manure is utilized from the manure processing unit in the farming for agriculture. The generated biogas is supplied from the biogas generation unit to a power generation unit for generating electricity and to house hold activities.

No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2016
(21) Application No.201621028838 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FRONT FORK TOP SEALING SPACER

(51) International classification	:B62K 25/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Diwakar Bhat
2)Saravanan

(57) Abstract :
FRONT FORK TOP SEALING SPACER • ABSTRACT Disclosed is a modified top sealing spacer assembly (200) for the front fork suspension of a vehicle. The existing steel spacer design contributes to the buckling noise during limb operation due to its limited contact surface and location. The steel spacer in the existing design is replaced by a spacer (130) of suitable plastic material, having flexibility to have required shape. The spacer (130) is having a ˜O™ ring housing (110) configured at its one end. The spacer (130) mounted with the ˜O™ ring can be inserted into the inner tube (140) of the front fork in such a way that the ˜O™ ring is either at spring side or at the bolt cap side. The modified assembly (200) of the present invention prevents the oil leak from the front fork top sealing and dampens the noise during limb operation. Figure 2

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016
(21) Application No.201621028606 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PORTABLE COTTON PICKING DEVICE

(51) International classification	:D03D 49/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
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(57) Abstract :
PORTABLE COTTON PICKING DEVICE Abstract The present invention relates to mechanical cotton harvesting, and more particularly to a portable hand held cotton picking device (500) for harvesting cotton efficiently with maximum yield as compared to a conventional method of harvesting cotton manually. The device (500) comprises of a casing having a left casing (15) and a right casing (120), and a picker assembly assembled therebetween the left casing (15) and the right casing (120). The device (500) further includes a motor (40), a gear assembly (140) and an electrical circuit (130) that are operatively in connection with the picker assembly. The device (500) has advantages of small and compact structure and high picking speed with no influence on picking quality. Hence, the device (500) is well suited for use in harvesting cotton from smaller fields / farms, where a larger cotton harvester might not be suitable. Further, the device (500) is economic and maintenance free. Figure 1

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016
(21) Application No.201621028607 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : FRONT FORK ASSEMBLY FOR VEHICLE

(51) International classification	:B60R 5/02 B60R 9/06
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)Diwakar Bhat
2)Saravanan

(57) Abstract :
FRONT FORK ASSEMBLY FOR VEHICLE Abstract The present invention relates to a front fork assembly for a vehicle and more particularly, to a self-locking bellow of the front fork assembly. The front fork assembly (100) comprises of an outer tube (10), an inner tube (20), a spring (30), an oil seal (40) and a bellow (50). The outer tube (10) includes a first locking profile (5a) and a second locking profile (5b) configured at one end thereof. The bellow (50) includes a first mounting profile (45a) and a second mounting profile (45b) for facilitating self locking mounting arrangement with the outer tube (10) during expansion and compression thereof. The self locking mounting arrangement provides firm holding during limb up-down operation in normal working condition of the bellow (50). Figure 1

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016

(21) Application No.201621028630 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : GREEN SURFACTANTS FOR ECO-FRIENDLY TEXTILE PROCESSING.

(51) International classification	:D06L 1/00 D06M 16/00 D06M 15/00	(71)**Name of Applicant :** **1)THE SYNTHETIC & ART SILK MILLS RESEARCH ASSOCIATION** Address of Applicant :SASMIRA MARG, WORLI MUMBAI MAHARASHTRA INDIA Maharashtra India (72)**Name of Inventor :**
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(32) Priority Date	:NA	**2)MATHUR MANISHA RAMESHCHANDRA**
(33) Name of priority country	:NA	**3)DONGRE SHRADHA SNEHAKANT**
(86) International Application No Filing Date	:NA :NA	**4)SALUNKHE PRAMOD RAMCHANDRA**
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
The invention is related to pretreatment for cellulose-based textile substrates. The process comprises a sequential scouring step with microbial surfactant acting on the non-cellulosic material on outer layers of cellulosic fibers. The application of microbial surfactant for scouring of cellulose based substrate is exclusive of the pH and temperature conditions of the process. The process is environmentally friendly because no causticizing and oxidizing agents are required to achieve the desired wettability and subsequent dyeability.

No. of Pages : 7 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016
(21) Application No.201621028631 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD FOR ENHANCING ELECTRICAL CONDUCTIVITY OF POLYESTER (PET)

(51) International classification	:H01B 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)GANGOPADHYAY UJJWAL KUMAR
2)SINGH RAVI PRAKASH

(57) Abstract :
The invention relates to the development of new modified polyester material that possesses better electrical conductivity than the virgin polyester (PET). Electrical conductivity imparted by modifying PET is of permanent nature. It has been done through incorporation of SWCNT (Single wall carbon nanotube). CNT is a two dimensional cylindrical nanomaterial which possess excellent electrical properties and anisotropic magnetic susceptibility. The process involves incorporating Single Wall Carbon Nanotubes (SWCNTs) to the virgin PET polymer matrix. SWCNT incorporated PET possess electrical conductivity of the order of 105 S/cm enough to eliminate the use of antistatic agent from the finish oil required during polymer conversion to fibre/filament/ fabric.

No. of Pages : 6 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621028839 A
(19) INDIA
(22) Date of filing of Application :24/08/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : PRE-LOAD ADJUSTER FOR FRONT FORK

(51) International classification	:B62K 25/08 B62K 25/24	(71)**Name of Applicant :** **1)Gabriel India Limited** Address of Applicant :29th, Milestone, Pune Nasik Highway, Village: Kuruli, Tal: Khed, Dist: Pune - 410 501 (MH), India Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	(72)**Name of Inventor :**
(33) Name of priority country	:NA	**1)Saravanan**
(86) International Application No	:NA	**2)Diwakar Bhat**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Disclosed is a remotely mounted preload adjuster (20) for a rear shock absorber (100) of a vehicle. Adjustment of sag within proper limits is necessary for rider™s comfort. However, the rider finds the pre-adjustment of spring difficult, due to the difficulty in operating the spring adjuster (50). The user friendly system of the present invention for adjusting sag and increasing rider™s comfort comprises of a remote adjuster unit (20) equipped with a adjuster knob (30) and located at an easy to reach place on the vehicle. The preload adjuster unit (20) is operably connected to the spring adjuster (50) supporting the suspension spring (60) at one end. The rider can adjust the height of the suspension spring (60) and in turn the preload value, by twisting the adjuster knob (30). Figure 1

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2016
(21) Application No.201621028864 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AN INTEGRATED MULTIFUNCTIONAL TABLE

(51) International classification	:E04H14/00, A47F10/00, A47F9/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)Hamine Shrishail Mukund

(57) Abstract :
According to the present disclosure, an integrated multifunctional table comprises a table frame, at least one vertical sliding unit attached with the table frame, a primary tray unit and a transparent drawing surface. The at least one vertical sliding unit has a pawl ratchet mechanism supporting the primary tray unit. The primary tray unit is attached with the table frame through the at least one vertical sliding unit and configured to move in vertical directions in the at least one vertical sliding unit. The transparent drawing surface is connected with the primary tray unit through a link and hinged about at least one point on the table frame. The transparent drawing surface is configured to operate in a computer desktop mode upon movement to an extreme position at a higher angle, and to operate in manual drawing mode upon movement to an initial position at a lower angle.

No. of Pages : 19 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2016
(21) Application No.201621028892 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : AN ENCLOSURE SYSTEM OF AN AIR HANDLING UNIT AND AIR HANDLING UNIT THEREOF

(51) International classification :F24F7/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Jitendra Moreshwar Bhambure

(57) Abstract :
AN ENCLOSURE SYSTEM OF AN AIR HANDLING UNIT AND AIR HANDLING UNIT THEREOF The present invention provides an enclosure system of an AHU. The enclosure system includes an outer enclosure, an inner enclosure, and a motor enclosure. The inner enclosure encloses a blower, a motor, and a heat exchanger of the AHU. The motor enclosure encloses the motor and receives external air which is heated to form hot air. The hot air is circulated through hollow space between the outer and inner enclosures. This raises temperature of the outer enclosure, thereby avoiding condensation of the external air proximate to the outer enclosure. Ref.: Figure 1

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/08/2016
(21) Application No.201621028896 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : TOOL SYSTEM

(51) International classification	:B25B13/00, B25B13/56, B25B13/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)DAKARE Sachin Shashikant
3)CHHATRE Krishnarjun Bhagwan
4)PATIL Sandeep Sidagouda
5)CHARTIER Glen R.
6)FESKANICH, JR. Lawrence

(57) Abstract :
A multi-purpose hand tool system is described. The tool system includes a handle and one or more inserts that are releasably engaged with the handle. The tool system is useful for a variety of applications including use with basin and faucet hardware.

No. of Pages : 56 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2016
(21) Application No.201621028952 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : INTRA-ARTICULAR INJECTABLE COMPOSITIONS COMPRISING METHOTREXATE-ZINC COMPLEX •

(51) International classification :A61K 31/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RAJPUT, Smita Amarjitsing
3)KHATRI, Nirav Ishwarlal
4)GEORGE, Alex Kochukunju
5)KULKARNI, Sushrut Krishnaji

(57) Abstract :
ABSTRACT INTRA-ARTICULAR INJECTABLE COMPOSITIONS COMPRISING METHOTREXATE-ZINC COMPLEX The present invention relates to stable, sterile, intra-articular injectable compositions comprising methotrexate-zinc complex and one or more pharmaceutically acceptable excipients. The present invention also relates to processes for the preparation of the methotrexate-zinc complex and its compositions. Figure.1

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2016

(21) Application No.201621028982 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A METHOD OF MANUFACTURING COLORED GLASS REINFORCED COMPOSITE TILES

(51) International classification	:C03C 3/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :Naroda Road, Ahmedabad - 380025, Gujarat India
(72)**Name of Inventor :**
1)Alex George

(57) Abstract :
ABSTRACT A METHOD OF MANUFACTURING COLORED GLASS REINFORCED COMPOSITE TILES Provided herein are colored, glass reinforced, composite tiles and methods of manufacturing said tiles.

No. of Pages : 14 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2016

(21) Application No.201621028983 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF 5-BROMO-2,4-DIFLUOROBENZOIC ACID

(51) International classification	:C07C229/56, C07B61/00, B01J23/72
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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4)POTNIS Deepak Kumarsinh
5)MULAY Sidheshwar Rangnath
6)NEHETE Vrushali Kunal
7)RANE Gandhar Dhananjay

(57) Abstract :
5-Bromo-2,4-difluorobenzoic acid is an important intermediate in the agrochemical and pharmaceutical industry. In the present disclosure 5-bromo-2,4-difluorobenzoic acid is prepared from 2,4-difluorobenzonitrile using a brominating agent in the presence of aqueous sulfuric acid in a simple, efficient and environmentally friendly process. 5-bromo-2,4-difluorobenzoic acid is obtained in high yield with purity in the range of 93% to 99%.

No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2016

(21) Application No.201621029000 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEM AND METHOD FOR EFEFCTIVELY USING HYBRID SOLAR-FOSSIL SOURCES FOR POWER GENERATION

(51) International classification	:F01K13/00, F01K27/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)GUPTA, Divyanand
(72)**Name of Inventor :**
1)KHAN, Shahid
2)GUPTA, Divyanand

(57) Abstract :
The present disclosure relates to a combination of solar and fossil fuels for power generation by converting thermal energy into electrical energy, wherein heat transfer fluid is directed to any or combination of a heliostat solar power, a fossil and a thermal power plant to increase temperature of the received heat transfer fluid and releases heat from heated heat transfer fluid in a molten salt tank that is further feeds molten salt tank released heat to an Stirling engine based electric generator to generate electricity.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621029037 A
(19) INDIA
(22) Date of filing of Application :26/08/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : NOVEL MULTIVALENT VACCINE COMPOSITION

(51) International classification	:A61K 39/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)PISAL SAMBHAJI SHANKAR
3)ZADE JAGDISH KAMALAJI
4)SABALE RAJENDRA NARAYAN
5)KADAM RAVINDRA BAPURAO
6)KAMBLE ABHIJEET SANJEEV

(57) Abstract :
Abstract: Novel multivalent vaccine composition The present invention relates to stable, immunogenic combination vaccine(s) comprising a mixture of antigens for prevention and prophylaxis of infections caused by Rotavirus, Poliomyelitis virus, Haemophilus influenzae, Corynebacterium diphtheriae, Clostridium tetani, Bordetella pertussis and Hepatitis B virus. The invention particularly provides a multivalent combination vaccine comprising of i) significantly dose reduced Salk IPV or Sabin IPV (IPV) antigens prepared by utilizing improved methods of formaldehyde inactivation and alum hydroxide adsorption resulting in maximum recovery of D-antigen and ii) Injectable heat inactivated Rotavirus antigen(s) obtained from Rotavirus (CDC-9) strains that provides a broad cross-protective immunity among human rotavirus strains,iii) Hib PRP -carrier protein conjugate having improved stability and immunogenicity wherein said Hib PRP -carrier protein conjugate is initially prepared by using novel conjugation process and subsequently blended at low temperature in presence of a stabilizer for minimizing free PRP release iv) whole cell pertussis antigen with improved immunogenicity and stability obtained by addition of whole cell pertussis antigen at a later stage in a blend thereby minimizing hydrolysis based degradation v) Homogenous fractions of Diphtheria toxoid and Tetanus toxoid obtained by removal of undesirable aggregates by using Gel Permeation chromatography .The process of making such stable and immunogenic vaccine compositions by i) individually adsorbing dose reduced IPV, IRV antigens on alum hydroxide and keeping other antigen(s) unadsorbed or adsorbed on Alum Phosphate , Alum hydroxide , on a combination of Alum hydroxide and Alum phosphate and ii) using a particular order of addition of antigens during blending is also disclosed.

No. of Pages : 55 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/08/2016
(21) Application No.201621029072 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHOD AND PARTIAL DISCHARGE MEASUREMENT SYSTEM FOR EXAMINING PARTIAL DISCHARGE CHARACTERISTICS OF OBJECT

(51) International classification	:H01M 10/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Himanshu Jaywant Bahirat
2)Shrikrishna Venkatesh Kulkarni
3)Prakash Pandurang Vaidya
4)Lekshmi Ajesh Kaimal

(57) Abstract :
ABSTRACT Method and partial discharge measurement system for examining partial discharge characteristics of object Embodiments herein relates to a partial discharge measurement system and method for examining partial discharge characteristics of an object. The partial discharge measurement system includes a parameter analyzing unit configured to generate a pulses feature and derive an analog pulse based on the pulse feature. A pulse generation circuit configured to produce a pulse output based on the analog pulse. Further, the partial discharge measurement system simulates the various features of the PD pulse shapes occurring in dielectrics under different operating conditions, where the features can be used for research in PD generation, characterization and detection without need for high voltage equipment and also for calibration and diagnostics. FIG. 2

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/08/2016

(21) Application No.201621029084 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR REMOTELY ACCESSING A COMPUTING DEVICE •

(51) International classification	:H04N 21/4227
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai - 400 021, Maharashtra, India
Maharashtra India
(72)**Name of Inventor :**
1)SHWETA MAHENDRA
2)SAURABH AGRAWAL

(57) Abstract :
Embodiments of the present disclosure relate to remotely accessing at least one computing device [e.g. 102A, 102B, 102C] by an operating device [104]. In a preferred embodiment, a method comprises steps of establishing a wireless connection with an operating device [104] and the at least one computing device [e.g. 102A, 102B, 102C] by a network entity [202]; receiving an access request from the operating device [104] for remotely accessing the at least one computing device [e.g. 102A, 102B, 102C]. Subsequently, the network entity [202] grants an access to the operating device [104] for remotely accessing the at least one computing device [e.g. 102A, 102B, 102C] pursuant to the accomplishment of the reconfiguration/prerequisites such as obtaining a port detail.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621029221 A
(19) INDIA
(22) Date of filing of Application :27/08/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : INTRAUTERINE DEVICE INSERTER

(51) International classification	:B29K 105/20 B65D 5/49	(71)**Name of Applicant :** **1)Meril Endo Surgery Pvt Ltd** Address of Applicant :Survey No. 135/139 Bilakhia House Muktanand Marg, Chala, Vapi, Gujarat, India Gujarat India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)LAD, Nilay Mohanlal**
(33) Name of priority country	:NA	**2)PATEL, Chiragkumar Sumantrai**
(86) International Application No	:NA	**3)VYAS, Rajnikant Gandal**
Filing Date	:NA	**4)MINOCHA, Pramod Kumar**
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
An inserter is provided which includes a handle having an upper cover and a bottom cover, the upper cover having a longitudinal opening, a proximal end and a distal end; a mounting member extending from an inner surface of the bottom cover of the handle, the mounting member having a through-hole; an inner tube having a proximal end and a distal end, the proximal end of the inner tube attached to the mounting member; an insertion tube movably coupled to the inner tube with a longitudinal axis essentially parallel to a longitudinal axis of the inner tube; a switch coupled to a proximal end of the insertion tube and arranged in the opening; and a string having a proximal end removably coupled near the proximal end of the opening, a distal end of the string coupled to a device to be inserted inside a human anatomy.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621029243 A
(19) INDIA
(22) Date of filing of Application :28/08/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SENSING MECHANISM FOR SENSING AND REGULATING PRESSURE IN A DISCHARGE LINE

(51) International classification	:B29K 105/20 B65D 5/49	(71)**Name of Applicant :** **1)Haldex India Pvt Ltd.** Address of Applicant :B-71 MIDC Area, Ambad, Nashik-422010, Maharashtra, India. Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)S. Chakravarthi Perali**
(33) Name of priority country	:NA	**2)Sudhagar Ganesh**
(86) International Application No	:NA	**3)Anakar Prusty**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
ABSTRACT A mechanism for sensing and regulating pressure in a discharge line through which pressurized fluid is discharged. The mechanism includes a first piston, a second piston and a flexible seal. The first piston moves upwards when pressure of fluid received from the discharge line of the pneumatic device is more than a predefined pressure. The second piston is arranged within the first piston for opening and closing of a pneumatic control line connected of the pneumatic device. A passage is configured through the first piston and the second piston for releasing the received fluid from the discharge line of the pneumatic device to the atmosphere when the input pressure of the fluid is less than the predefined pressure. The flexible seal is arranged on the second piston opens and closes the passage based on movements of the first and second piston for regulating pressure in the delivery line.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016
(21) Application No.201621029249 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : LOW COST SIMPLE DESIGN BIOREACTOR

(51) International classification	:C12M43/08, C12M31/08, C12M23/50
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)Vandana Ram Yadav
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(72)**Name of Inventor :**
1)Vandana Ram Yadav

(57) Abstract :
The present invention relates to a bioreactor comprising a fermentation chamber, at least one hollow aeration device comprising a shaft open at the proximal end and plurality of perforated arms secured to distal end of the shaft and extending radially outward therefrom, an outer closed loop jacket having at least one inlet valve and one outlet valve surrounding the fermentation chamber and a head plate having plurality of ports. The bioreactor of the present invention further comprises the interior of the fermentation chamber free of mechanical agitation devices and baffles.

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016
(21) Application No.201621029265 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEM FOR PROTECTING AIR FILTER FROM WATER AND DUST

(51) International classification	:B63C 11/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Ashish Rampal Sharma
2)Prannoy Sarkar

(57) Abstract :
Disclosed is a system for protecting an air filter from water and dust during servicing and maintenance of a vehicle. The system comprises an air filter having an air intake pipe, a pair of hinged flaps secured to inner edge of the air intake pipe, a snorkel attached to a cabin and a pair of flap openers attached to the snorkel. When the snorkel is in contact with the air intake duct of the air filter, the pair of flap openers pushes the pair of hinged flaps of the air filter inwards thereby keeping the air inlet duct open and when the snorkel is away from the air intake duct of the air filter, the pair of flap openers moves along with the snorkel and thus opens the pair of hinged flaps of the air filter such that the pair of hinged flaps closes the air inlet duct. Figure 2A

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201621029302 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ALL IN ONE GEOMETRY BOX INSTRUMENTS ASSEMBLY

(51) International classification	:B43L13/002
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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2)KETAN BALASAHEB KOKATE
(72)**Name of Inventor :**
1)AKASH BHAUSAHEB KHAMKAR
2)KETAN BALASAHEB KOKATE

(57) Abstract :
Carrying and working with all the components at same time is a problem. When we carry such all components singly , it makes irritating shaking sound . Also there is threat of losing any instrument .While using these instruments to do multiple tasks it becomes headache to change each intrument number of times. The poblem of handling and doing multiple tasks is solved by this invention.Also reduced cost and reduced weight make it comfortable while using it. The compact size make it easy to carry anywhere even in ones pocket.This invention is used to draw,write,erase and draw many geometrical shapes by saving time and reducing effort of changing components many times.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201621029357 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : WADAANA-AN INNOVATIVE TOOL TO MEASURE THE HUMAN TRUNK DEVIATION

(51) International classification	:A61B 5/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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3)DR. SUVARNA S. GANVIR
4)DR. ABHIJIT D. DIWATE
5)DR. DEEPAK B. ANAP
6)DR. SUSHIL KACHEWAR
7)DR. SHRIKANT B. DARADE

(57) Abstract :
The problem of trunk deviation has been haunting mankind since ages. It not only leads to pain but also causes cosmetic deformity in some cases. Such patients can be treated only after knowing the angle of trunk deviation in them. Our instrument WADAANA- is an indigenous invention that enables anyone to measure exactly by how much degrees angle; the trunk has deviated so that such patients can be properly treated. Simplicity, durability, cost effectiveness and use of simple raw materials are the hallmarks of this invention.

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201621029379 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : STABLE PHARMACEUTICAL COMPOSITION OF VORTIOXETINE HYDROBROMIDE •

(51) International classification	:A61J 1/00 A61J 3/00	(71)**Name of Applicant :** **1)CIPLA LIMITED** Address of Applicant :Cipla House, Peninsula Business Park, Ganpatrao Kadam Marg, Lower Parel, Mumbai 400013, Maharashtra. India. Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)MALHOTRA, Geena**
(33) Name of priority country	:NA	**2)RAO, Dharmaraj Ramachandra**
(86) International Application No	:NA	**3)PULLELA, Venkata Srinivas**
Filing Date	:NA	**4)MUDGAL, Shrikant Suresh**
(87) International Publication No	: NA	**5)SAWANT, Pratap Ramesh**
(61) Patent of Addition to Application Number	:NA	**6)RAUT, Preeti Prashant**
Filing Date	:NA	**7)CHAUHAN, Jinesh**
(62) Divisional to Application Number	:NA	**8)BAGREE, Nidhi**
Filing Date	:NA	

(57) Abstract :
The present invention relates to novel premixes of Vortioxetine, processes for the preparation of such premixes, pharmaceutical compositions comprising the same and their use in medicine.

No. of Pages : 37 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201621029380 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A STABLE PHARMACEUTICAL COMPOSITION OF ETHACRYNIC ACID

(51) International classification	:A61K9/20, A61K47/14, A61K9/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
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2)JOHNSON Pratheep
3)MENON Shreejit
4)SHAH Dhruv
5)PATEL Nikunj

(57) Abstract :
The present invention relates to a stable pharmaceutical composition of ethacrynic acid wherein the said composition is substantially free of impurity C. In specifically, the present invention relates to a stable pharmaceutical composition of ethacrynic acid having a lower degradation rate of ethacrynic acid and lower content of impurity C into the composition. Further, the present invention relates to a stable pharmaceutical composition of ethacrynic acid which is used as diuretic in the treatment of edema or fluid retention.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621029401 A
(19) INDIA
(22) Date of filing of Application :29/08/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : AN ARRANGEMENT FOR ALIGNING A WORKPIECE IN DIES OF PRESS MACHINE

(51) International classification	:B21D 43/00 B30B 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)SAWANT, Sachin Sitaram
2)KHEDEKAR, Mayur Atmaram
3)UDAIPURWALA, Aftab Aziz

(57) Abstract :
The present disclosure envisages alternative arrangements (100, 200, 300) that align workpieces with punches of dies in press machines. The arrangements (100, 200, 300) have simple configurations, and can be operated by unskilled labors. The arrangements (100, 200, 300) can either be connected to a top die shoe (104) or a bottom die shoe (106). The arrangements (100, 200, 300) displace a workpiece (120) towards a punch (110), and retain the workpiece (120) in the same position until the punching operation is performed.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016

(21) Application No.201621029429 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HIGH PERFORMANCE HARDFACING ALLOYS WITH IMPROVED WEARPROPERTIES

(51) International classification	:F02B1/04, F01L3/04, C22C38/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)EWAC Alloys Ltd (A Wholly Owned Subsidiary of Larsen & Toubro Limited)
Address of Applicant :Plot-7917, GIDC, Ankleshwar-393002, Gujarat, India. Gujarat India
(72)**Name of Inventor :**
1)PURUSHOTHAMAN, Siva
2)CHAUHAN, Shiv Varan Singh
3)PATEL, Hiren

(57) Abstract :
The present disclosure relates to wear and spall resistant iron based hardfacing alloy composition that can be used for hardfacing weld overlay applications. The disclosed hardfacing alloy composition capable of forming spall and pore free weld overlays regardless of overlay thickness or number of layers deposited to achieve the same. Further, the disclosed hardfacing alloy composition can generate alloyed overlay having increased hardness and toughness with an ability to withstand greater impact and mechanical stresses. In an aspect, the disclosed hardfacing alloy can include, by weight: from 12 to 25% chromium, from 2 to 8% manganese, from 1 to 3% silicon, from 4 to 10% niobium, from 4 to 10% molybdenum, from 2 to 6% titanium, from 5 to 12% tungsten, from 1 to 3% carbon, from 4 to 8% boron, from 0.1 to 1% nitrogen and balance iron.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016
(21) Application No.201621029468 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : METHODS FOR IMPROVING PHYSICAL PERFORMANCE AND CAPSICUM COMPOSITIONS USED THEREIN

(51) International classification	:A23L2/68, A23L2/38, A23L2/52
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)OMNIACTIVE HEALTH TECHNOLOGIES LIMITED
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(72)**Name of Inventor :**
1)JAYANT DESHPANDE
2)VIJAYA JUTURU
3)KHADIJA GHANAM

(57) Abstract :
The invention relates to method of improving physical performance and endurance, the method comprising administering capsicum composition to a subject. More particularly the methods are comprised of use of effective amount of capsicum composition alone and or in combination with other nutrients for improvement in performance of physical activities. The methods described herein are comprised of capsicum compositions which are administered to the subject undergoing physical activity to deliver daily dose of capsaicinoids in effective amounts. The methods are comprised of administering capsicum compositions to subjects in effective amounts wherein these reduce blood lipids and oxidative stress. The invention also relates to method for enhancing physical endurance and exhaustion time, by administering effective amount of capsicum composition to physically active subjects, wherein body antioxidants are increased and muscle lactates are decreased, thus resulting into recovery from muscle fatigue arising due to such indoor and/or outdoor physical activities.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/08/2016
(21) Application No.201621006938 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : CHITOSAN DERIVATIVE FORMULATIONS FOR PLANT GROWTH, AND BUILDING DISEASE RESISTANCE

(51) International classification	:A01N 43/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :4, RAJASHREE CO-OP. HOUSING SOCIETY, 138A, NARAYAN PETH, PUNE-411 030, MAHARASHTRA, INDIA. Maharashtra India
(72)**Name of Inventor :**
1)SHENDYE, ABHAY PARASHURAM

(57) Abstract :
The invention relates to chitosan derivative comprising pre-activated chitosan and chemical moieties. The invention also relates to method for preparing the chitosan derivative. The method further relates to the formulation comprising pre-activated chitosan and biomolecules for improved disease resistance, control the plant pathogens, protect the plants from infections and growth of plants.

No. of Pages : 46 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201621029740 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SUPPORTED BIMETALLIC CATALYST SYSTEM AND A PROCESS FOR PREPARATION THEREOF

(51) International classification	:B01J37/02, B01J37/03, B01J23/89
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai 400 021, Maharashtra, India.
Maharashtra India
(72)**Name of Inventor :**
1)TIWARI Saurabh Kumar
2)GUPTA Virendra Kumar

(57) Abstract :
The present disclosure relates to a supported bimetallic catalyst system for preparing carbon nanotubes and a process for preparation thereof. The catalyst system of the present disclosure comprises a first transition metal or its oxide, a second transition metal and at least one support. The catalyst system of the present disclosure is used for producing carbon nanotubes from the polymer or its waste. The process for producing carbon nanotubes using the supported bimetallic catalyst system of the present disclosure produces multiwalled carbon nanotubes having diameter in the range of 15 to 20 nm, and purity of at least 96%.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016
(21) Application No.201621029742 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A VEHICLE LOCATION IDENTIFICATION SYSTEM AND METHOD THEREOF

(51) International classification	:H05B 37/00 H05B 33/00	(71)**Name of Applicant :** **1)MAHINDRA AND MAHINDRA LIMITED** Address of Applicant :Mahindra Towers, G.M. Bhosale Marg, Worli, Mumbai- 400 018, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)KANTHIKAR, Sunny Shirish**
(33) Name of priority country	:NA	**2)KULSHRESTHA, Sanjay**
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present disclosure envisages a vehicle location identification system and method thereof. A remote device generates a wireless control signal. At least one ambient light detection sensor periodically or continuously senses the intensity of light around the vehicle, and generates at least one sensed signal. Thereafter, a receiving unit generates a command signal. A controller receives the sensed signal and the command signal, wherein a convertor converts the sensed signal to at least one light intensity value. A first comparator compares the light intensity value with a first pre-determined light intensity threshold value, and generates a first compared signal. A second comparator compares the light intensity value, with a second pre-determined light intensity threshold value, and generates a second compared signal. A selector unit controls a light emitting diode (LED) and the lamps of the vehicle based on the status of the first and second compared signals.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201621029802 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A COMPOSITE MATERIAL FOR ORTHOPEDIC SUPPORTS AND A METHOD THEREOF

(51) International classification	:E04B 1/30
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ARVIND LIMITED
Address of Applicant :Naroda Road, Ahmedabad - 380025, Maharashtra India
(72)**Name of Inventor :**
1)Chandrasekaran Prasanna
2)Motilal Bhakta

(57) Abstract :
Abstract A COMPOSITE MATERIAL FOR ORTHOPEDIC SUPPORTS AND A PROCESS THEREOF A composite material for orthopedic supports and braces is disclosed. The composite material is a tri-laminate material which comprises of an inner fabric layer with wicking and anti-microbial properties, an intermediate layer of highly stretchable open-celled high density material in un-compressed form and an outer fabric layer. The present invention also provides a process for manufacturing the composite material. (FIG.1 for publication)

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016

(21) Application No.201621029821 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HYBRID GAS PURIFICATION

(51) International classification :B01D53/22
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HINDUSTAN PETROLEUM CORPORATION LIMITED
Address of Applicant :Hindustan Petroleum Corporation Ltd., Petroleum House, 17, Jamshedji Tata Road, Churchgate, Mumbai 400020, India Maharashtra India
(72)**Name of Inventor :**
1)GANDHAM, Sriganesh
2)NETTEM, Venkateswarlu Choudary
3)S N, Sheshachala
4)TOMPALA, Annaji Rajiv Kumar
5)KUNIYIL, Arun

(57) Abstract :
A gas purification system (100) is described. The gas purification system (100) includes a Rotating Packed Bed (RPB) unit (102) and a Pressure Swing Adsorption (PSA) unit (104). The RPB unit (102) includes a gas inlet (106) to receive the mixed gas feed including multiple impurities, a solvent to eliminate a first set of impurities to obtain an enriched gas, and a gas outlet (108) to supply the enriched gas. The PSA unit (104) includes an inlet (124) coupled to the gas outlet (108) of the RPB unit (102) to receive the enriched gas, multiple adsorption beds (126) to eliminate a second set of impurities from the enriched gas, and a product gas outlet (128), to provide a product gas. d

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016

(21) Application No.201621029481 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEM FOR REUSING HVAC CONDENSATE WATER IN VEHICLES

(51) International classification	:F21W 101/04 F24D 9/02 F22D 1/36	(71)**Name of Applicant :** **1)Mahindra & Mahindra Ltd.** Address of Applicant :Mahindra & Mahindra Limited, Mahindra Towers, G.M. Bhosale Marg, Worli, Mumbai, Maharashtra, India - 400 018. Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :** **1)Vipul Chintaman Thakur** **2)Hemant Raibagkar**
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Disclosed is a system (100) for reusing HVAC condensate water in vehicles. The system (100) helps in recycling and reusing the condensate water generated by the HVAC system (10) which conventionally is drained out from the vehicles. The system (100) comprises of a water collecting tray (20), a first tube (30), a water reservoir (40) configured with a non-return valve (80), a water level indication means (90), a water pump (50) and a second tube (60) having a nozzle (70) for windshield washing. The system (100) is simple in construction and cost effective while ensuring maximum amount of condensate waste water is recovered and used for various vehicular applications and other non-potable applications of water thereby preventing wastage of water. Figure 1

No. of Pages : 16 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016

(21) Application No.201621029485 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR TRANSCRIPTION OF SPOKEN WORDS USING MULTILINGUAL MISMATCHED CROWD

(51) International classification :G06F17/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Tata Consultancy Services Limited
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1)RADADIA, Purushotam Gopaldas
2)KALRA, Kanika
3)KUMAR, Rahul
4)SRIRAMAN, Anand
5)SIRIGIREDDY, Gangadhara Reddy
6)JOSHI, Shrikant
7)KARANDE, Shirish Subhash
8)LODHA, Sachin Premsukh

(57) Abstract :
A system and method to transcribe spoken word utterances in the source language using a multilingual mismatched crowd. The process comprises collection of multi-scripted noisy transcriptions of the spoken word obtained from workers of the multilingual mismatched crowd. The collected words are mapped to a phoneme sequence in the source language using script specific graphemes to phoneme model. Further, it builds a multi-scripted transcription script specific, worker specific and a global insertion-deletion-substitution (IDS) channel. In addition to the transcription process, the disclosure also determines reputation of workers to allocate the transcription task. Determination of reputation is based on word belief. The word belief is determined by taking ratio of likelihood probability of mapped phoneme sequence of transcriptions given the current estimate of word to the sum of likelihood probabilities of mapped phoneme sequences of the transcriptions given the phoneme sequence of each dictionary word.

No. of Pages : 22 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016
(21) Application No.201621029501 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : POLYMERIC NANO TITANIA PHOTOCATALYTIC PAINT FOR PROTECTIVE AND ENVIRONMENT COATINGS.

(51) International classification	:C09D 5/00 C09D 4/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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Address of Applicant :4/A, Durvankurdarshan Society-1, Pashan Road, Pune-, India Maharashtra India
(72)**Name of Inventor :**
1)Mohan Keraba Dongare

(57) Abstract :
The invention discloses a simple aqueous phase process for the preparation of polymeric titanium oxide nano strands and metal ion grafting on it for solar active photocatalytic paint with desired hydrophilic or hydrophobic properties by incorporating silica or siloxanes nanoparticlesand its coating process on various supports. Further, the present invention relates to coating of metal ion grafted titanium oxide nano strands containing photocatalytic paint on interior of for UV air purification systems to improve its performance.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621029515 A
(19) INDIA
(22) Date of filing of Application :30/08/2016
(43) Publication Date : 02/03/2018

(54) Title of the invention : To convert the fly ash being released continuously from thermal power stations into fertile, productive soil.

(51) International classification	:C04B 18/00 C02F 11/00	(71)**Name of Applicant :** **1)Vivek Patel** Address of Applicant :102 - 105, Lalbhai Contractor Complex, Opposite Parsi Library, Nanpura Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	(72)**Name of Inventor :**
(33) Name of priority country	:NA	**1)Akbar Lokhandwala**
(86) International Application No Filing Date	:PCT// :01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
The present invention is directed to convert fly ash being continuously released from thermal power plants into fertile and productive soil by chemical treatment of ash with a combination of dilute acids, particularly Nitric Acid, Phosphoric acid, Hydrochloric acid and Sulphuric acid alongwith Sugar followed by addition of a water holding anionic polymer. This results in growth of plants in the said composition which proves the conversion of Fly ash into fertile soil. This invention is particularly directed to convert the land that has become barren due to fly ash deposition into a productive soil where agriculture can be promoted thus reducing environmental issues caused by high amount of fly ash.

No. of Pages : 8 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2016
(21) Application No.201621028656 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : HYDRAULIC PEDALLING TRANSPORT SYSTEM.

(51) International classification :B62M19/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PRADIPTA PARIMAL BOSE
Address of Applicant :203/A, SHREEJISH APT. MALANG GARH ROAD KALYAN MAHARASHTRA INDIA 421306 Maharashtra India
(72)**Name of Inventor :**
1)PRADIPTA PARIMAL BOSE

(57) Abstract :
It is a hydraulic system controlled by a modified pedaling and an auto regulator which increases the effect of the applied pressure to the pedal. This system can be installed in bicycle/ rickshaw. Hence it is named as Hydraulic Pedaling Transport System. This system does not contribute to pollution in any way and pollution-free transport is actually the need of the day. Fluid from the tank comes to the external gear pump assembly due to gravity. When cycle/ rickshaw is pedaled, it starts moving and at the same time the gear pump develops pressurized fluid and sends it to the two hydraulic cylinders through the non-return valve and auto regulator. The regulator sends the pressurized fluid to one cylinder and it forces the cylinder piston to the forward direction. As per Pascals principle, the piston moves forward with multiplied high pressure. At the same time the other cylinder releases the accumulated fluid back to the tank through the regulator and fluid communication pipe. And piston of the other cylinder moves backward i.e. one piston is in forward and the other is in backward direction. Pistons motion is linear. Hydraulic cylinder pistons are connected to the crank shaft by a connecting rod so that the cylinder pistons pressurized linear movement rotates the crank shaft with that high pressure. Pressurized fluid from the pump moves one hydraulic piston forward and at the same time the fluid-releasing hydraulic piston moves in reverse (backward) direction for free movement of the crank shaft. This process keeps repeating with pedaling. This operation of cylinder rotates the sprocket fitted to a crank shaft with high multiplied pressure of pump as per inlet port of cylinder and the dia of hydraulic cylinders. This multiplied pressure transmits the power to the rear wheel through an additional chain. With this mechanism, even normal pedaling effort can generate additional high power to the rear wheel (drive wheel) and help the cycle/ rickshaw to move comfortably with high amount of load, even on hilly roads and flyovers.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016

(21) Application No.201621029587 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLED CREATION AND ACCESS OF ENCRYPTED MEDIA CONTENT

(51) International classification	:H01M 8/00 H04L 9/00	(71)**Name of Applicant :** **1)PINGLE, Nikhil** Address of Applicant :Akshay Villa Flat No B2, Srv 12/2/2 Sinhagad Road, Vadgaon (bk), Pune, Maharashtra, India. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	(72)**Name of Inventor :**
(33) Name of priority country	:NA	**1)PINGLE, Nikhil**
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present disclosure relates to the field of media content creation, access, and distribution. In an aspect, the present disclosure relates to a method comprising the steps of: receiving, at user computing device of a content consumer, encrypted content to the viewed or distributed; receiving, at the user computing device, a Time Controlled Access Token (TCAT) file; generating, at the user computing device, a server key (SK) based on the TCAT file; transmitting, from the user computing device, the SK to a server; receiving, at the user computing device, an access key (AK) from the server, said AK being generated by the server based on the SK; and processing, at the user computing device, the AK to decrypt and access at least a part of the encrypted content for viewing and/or distribution, or to encrypt at least a part of the user content for distribution.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2016
(21) Application No.201621029629 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : DESIGN, AND PROCESS FOR THE PREPARATION OF SOME NEW TETRAHYDROCARBAZOLE AND ITS DERIVATIVES

(51) International classification :C07D209/82
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)Madukar Rajaram Tajne
(72)**Name of Inventor :**
1)Padmavathi Sakinala
2)Madukar Rajaram Tajne

(57) Abstract :
The present invention relates to process of preparing some new tetrahydrocarbazole and its derivatives with a specific activity. Specifically the present invention relates to some new tetrahydrocarbazole derivatives which comprises of synthesis of N-[3-(1,2,3,4-tetrahydro-9H-carbazol-9-ylcarbonyl)phenyl]acetamide,N-{3-[(6-chloro-1,2,3,4-tetrahydro-9H-carbazol-9-yl)carbonyl]phenyl}acetamide, N-{3-[(6-fluoro-1,2,3,4-tetrahydro-9H-carbazol-9-yl)carbonyl]phenyl}acetamide and N-{3-[(6-methyl-1,2,3,4-tetrahydro-9H-carbazol-9-yl)carbonyl]phenyl}acetamideand their characterization by IR, NMR, MASS spectral studies.

No. of Pages : 31 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2016
(21) Application No.201622029765 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : GATE VALVE WITH SECURE SEALING MECHANISM

(51) International classification	:F16K3/02, F16K3/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:625/MUM/2015
Filed on	:25/02/2015

(71)**Name of Applicant :**
1)KING LAI HYGIENIC MATERIALS CO., LTD
Address of Applicant :8F.-8, No. 8, Ziqiang S. Rd., Zhubei City, Hsinchu County 30264, Taiwan
(72)**Name of Inventor :**
1)Yang, Li-Chuan
2)Huang, Shu-Mei

(57) Abstract :
A gate valve with secure sealing mechanism includes a main body having a valve opening, a driver disposed on the main body, a sliding seat slidingly disposed in the main body, a swing arm, and a valve member. Two ends of the swing arm are connected to the driver and the sliding seat, respectively, whereby the driver drives the swing arm to move circularly between a first and second position, thereby triggering the sliding seat to slide. When the swing arm is at the first or second position, the swing arm is biased against the route direction of the sliding seat. The valve member is disposed on the sliding seat for moving in parallel or vertical to the valve opening, thereby preventing the sliding seat from swaying when the swing arm is at the first or second locking position.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/12/2016

(21) Application No.201624042883 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : OPTICAL PATH FOLDING ELEMENT, IMAGING LENS MODULE AND ELECTRONIC DEVICE

(51) International classification :H04N5/232, G02B13/00
(31) Priority Document No :105213079
(32) Priority Date :26/08/2016
(33) Name of priority country :Argentina
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LARGAN PRECISION CO., LTD.
Address of Applicant :No.11, Jingke Rd., Nantun Dist., Taichung City 408, Taiwan
(72)**Name of Inventor :**
1)Ming-Ta CHOU

(57) Abstract :
An optical path folding element includes an incident surface, a path folding surface and an exiting surface. The incident surface allows a light ray to pass into the optical path folding element. The path folding surface folds the light ray from the incident surface. The exiting surface allows the light ray to pass through and depart from the optical path folding element. At least one of the incident surface and the exiting surface includes an optical effective portion and at least one engaging structure symmetrically disposed around the optical effective portion. The engaging structure includes an annular surface portion and an inclined surface portion. The annular surface portion surrounds the optical effective portion, and the inclined surface portion is located between the annular surface portion and the optical effective portion. An angle between the annular surface portion and the inclined surface portion satisfies a specific condition.

No. of Pages : 53 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/05/2017

(21) Application No.201724017115 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : ADJUSTMENT MECHANISM OF DOOR CLOSER DEVICE

(51) International classification	:F15B 13/00
(31) Priority Document No	:105127232
(32) Priority Date	:25/08/2016
(33) Name of priority country	:Argentina
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ARCTEK INDUSTRIAL CO. LTD.
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(72)**Name of Inventor :**
1)Wen-Yuan Su
2)Jia-Yu Chen

(57) Abstract :
A door closer device for driving a door to a predetermined closed position includes an adjustment mechanism and a door closer which is integrated with the door. The adjustment mechanism includes a base, an adjusting plate and at least one fixing element, wherein the adjusting plate is stacked with the base and coupled with the door closer. The adjusting plate and the base respectively include at least one adjusting bore, and the adjusting bores are corresponding with each other. One of the adjusting bores includes a first limiting end and a second limiting end, and a first moving path is defined between the first and second limiting ends. The fixing element is disposed in the adjusting bores and can move along the first moving path to fix the adjusting plate on the base.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/01/2017

(21) Application No.201724001524 A
(43) Publication Date : 02/03/2018

(54) Title of the invention : PHOTOGRAPHING OPTICAL LENS ASSEMBLY, IMAGE CAPTURING APPARATUS AND ELECTRONIC DEVICE

(51) International classification	:G02B 27/62 G02B 6/43 G02B 27/64
(31) Priority Document No	:62/378,296
(32) Priority Date	:23/08/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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1)Cheng-Chen LIN
2)Hsin-Hsuan HUANG
3)Shu-Yun YANG

(57) Abstract :
A photographing optical lens assembly includes, in order from an object side to an image side along an optical axis, a first lens element, a second lens element, a third lens element, a fourth lens element and a fifth lens element. The first lens element has positive refractive power. The second lens element has negative refractive power. The third lens element has an object-side surface being convex in a paraxial region thereof.

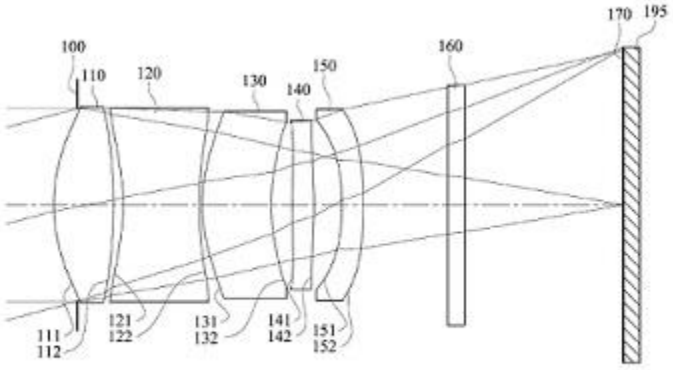

Fig. 1

No. of Pages : 165 No. of Claims : 37

CONTINUED TO PART- 2