पेटेंट कार्यालय शासकीय जर्नल

OFFICIAL JOURNAL OF THE PATENT OFFICE

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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

13th MAY, 2016

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THE PATENT OFFICE KOLKATA, 13/05/2016

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पेटेंट कार्यालय

कोलकाता, दिनांक 13/05/2016

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| | फोन: (91) (22) 24123311 | | चेन्नई - 600 032. |
| | फ़ैक्स: (91) (22) 24123322 | | फोन: (91)(44) 2250 2081-84 |
| | ई. मेल: cgpdtm@nic.in | | फ़ैक्स: (91)(44) 2250-2066 |
| | | | ई. मेल: chennai-patent@nic.in |
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| | एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, | | सीपी-2, सेक्टर- V, साल्ट लेक सिटी, |
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| | ई. मेल: Mumbai-patent@nic.in | | फ़ैक्स:/Fax: (91)(33) 2367 1988 |
| | • गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, | | ई. मेल: kolkata-patent@nic.in |
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| | ई. मेल: delhi-patent@nic.in | | |
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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

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(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.

SURRENDER OF PATENTS U/S. 63 (CHENNAI)

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| S. No. | PATENT NO. |
|--------|------------|
| 1 | 224314 |

Early Publication:

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| (12) PATENT APPLICATION PUBLICATION | (21) Application No.201611013575 A | |
|--|------------------------------------|--|
| (19) INDIA | | |
| (22) Date of filing of Application :19/04/2016 | (43) Publication Date : 13/05/2016 | |

(54) Title of the invention : SYSTEM AND METHOD FOR DYNAMICALLY ALTERING AN ORIENTATION OF A DISPLAY DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :NA :NA :NA :NA | (71)Name of Applicant : 1)HCL Technologies Limited Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar Pradesh, India Uttar Pradesh India (72)Name of Inventor : |
|--|---------------------------|---|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :NA : NA :NA :NA | 1)DHALIWAL, Jasbir Singh 2)TAMMANA, Sankar Uma |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed is a central control unit for dynamically altering an orientation of a display device. The central control unit comprises a receiving module for receiving an orientation configuration of the display device. The central control unit further comprises an orientation configuration obtaining module for obtaining at least one orientation parameter comprising a viewing position of the viewer, a distance of the viewer from the display device, and a type of content being displayed on the display device. The central control unit further comprises signal transmission module for transmitting one or more control signals to at least one movable controller, connected with the central control unit, for altering the orientation configuration of the display device based on the at least one orientation parameter.

No. of Pages : 25 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :20/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : PITCHER SCALE BIO-ELECTRO-GAS ASSEMBLY FOR GENERATION OF BIOGAS, BIOELECTRICITY AND BIOFERTILIZER FROM WASTE

| (31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(61) Patent of Addition to Application Number:NAFiling Date:NA | 2 (71)Name of Applicant : 1)MATHURIYA, ABHILASHA SINGH Address of Applicant :C/O MR. GIRISH KUMAR, HOUSE NO. 20, CHAUK DURGA PRASAD, BADI MATA VALI GALI, DIBAI- BULANDSHAHAR- UP, INDIA. Uttar Pradesh India (72)Name of Inventor : 1)MATHURIYA, ABHILASHA SINGH |
|--|---|
| (62) Divisional to Application Number :NA Filing Date :NA | |

(57) Abstract :

Developing countries are facing increasing energy crisis due to day by day increase in energy price and rapid industrial development. The problem is more severe in rural areas. Rural population traditionally burn the biomass to fulfill their energy needs specially kitchen based, which increase pollution. In Indian subcontinents, biogas plants were installed in earlier years but gained less popularity due to their very large size and difficult operation and continuous maintenance. Moreover this plant is able to produce only gas, which needs conversion to electricity if it is required. There is a sharp need for home made litre scale bioelectrochemical system, which can be installed in individual home easily and can fulfil multi needs, viz. gas, electricity and fertilizer. Present bio-electro-gas assembly offers biogas along with electricity for household applications. Moreover resulting sludge can be used as bio-fertilizer which adds additional advantage. This system is operated with cow dung and sewage as substrate and results are encouraging. The invented system is efficient, free from secondary pollution and proposed to solve daily waste disposal problem and to generate electricity and biogas to fulfil daily energy requirements.

No. of Pages : 21 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :25/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : TIME CONSTRAINED (M2V) MICROGRID TO ELECTRIC, PLUG-IN HYBRID ELECTRIC VEHICLES (xEVs) CHARGING MANAGEMENT SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :NA :NA :NA :NA :NA : NA | (71)Name of Applicant : 1)DR. MOHAMMAD SAAD ALAM Address of Applicant :DEPARTMENT OF ELECTRICAL ENGINEERING, ALIGARH MUSLIM UNIVERSITY, ALIGARH, UP-202002 Uttar Pradesh India 2)FURKAN AHMAD (72)Name of Inventor : |
|---|---|--|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 1)DR. MOHAMMAD SAAD ALAM 2)FURKAN AHMAD |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Deployment of electric vehicles charging station has been the foremost challenge in Indian scenario due to dependency on the central grid. To address the issue a renewable energy based sustainable (M2V) microgrid to plug-in hybridlelectric vehicles (xEVs) charging management system is proposed. The proposed method comprises of Temporal cum Price based management System. Essential database, such as slots on charging station, Advance charging slot booking, state of charge of the battery, and time of charging provided by the consumer will be managed by a central data acquisitions system. The temporal-based controller will allow charging the xEV in required time provided by the consumer without compromising the state of health of the battery by setting up the current or/and voltage magnitude. Further, Price based management will allow charging the xEVs by optimizing the best profitable outcome between the capacity of the xEV battery and time duration preferred by the consumer.

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

| (12) PATENT APPLICATION PUBLICATIO | N |
|------------------------------------|---|
|------------------------------------|---|

(22) Date of filing of Application :26/04/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PUBLIC INTRO CAR | D (PIC) | - |
|--|------------|--|
| (54) Title of the invention : PUBLIC INTRO CAR (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | | (71)Name of Applicant : 1)NARAYAN BHARDWAJ Address of Applicant :SHOP NO. 115, WEST END MALL, DISTRICT CENTRE, JANAK PURI WEST, NEW DELHI- 110058 Delhi India 2)BALRAM BHARDWAJ (72)Name of Inventor : 1)NARAYAN BHARDWAJ |
| Filing Date (62) Divisional to Application Number | :NA :NA | 2)BALRAM BHARDWAJ |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates a digital system of advanced public communication, message transfer and propagation in which advanced methodology of message carrying is used which is capable enough to carry personal message along with its own voice, its personal video, its personal emotions or any other extraordinary effect which is required to deliver desired message from sender to receiver in best possible manner. With the help of present invention, i.e. PIC card anyone can convey its message to its desired audience in one of the most impressive manner which ultimately guarantee the success in its endeavour behind sending the message.

No. of Pages : 13 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :05/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : UNDERWATER SEAL PRESSURE CONTROLLED DOUBLE CHAMBER PLEURAL CAVITY DRAINAGE SYSTEM

| (51) International classification:A61M(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No:NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(61) Patent:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NA | M1/00 (71)Name of Applicant : 1)ROMSONS SCIENTIFIC & SURGICAL INDUSTRIES PVT. LTD Address of Applicant :63,INDUSTRIALESTATE, NUNIHAI, AGRA (UP),INDIA Uttar Pradesh India (72)Name of Inventor : 1)KISHORE NARAIN KHANNA |
|---|--|
|---|--|

(57) Abstract :

The present invention relates to an underwater seal pressure controlled double chamber pleural cavity drainage system. More particularly the present invention relates to operation of bottle with pressure-controlled valve for safety of the patient for extraction of discharge fluid and gas at controlled and acceptable flow rate. Further this "invention also relates to device.fitted for facilitating the shifting of patient during recuperating. Present invention also relates to an underwater seal pressure controlled double chamber pleural cavity drainage system to a user friendly, safe, economical, operatable in all the prevailing atmospheric condition and its availability.

No. of Pages : 14 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :14/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND DEVICES FOR ROUTING AN OUTGOING CALL

(57) Abstract :

The present invention relates to routing an outgoing call directed to a called party. In one embodiment, a placement of the outgoing call to the called party is detected. In response to the detection, metadata information from the outgoing call is extracted. Thereafter, a request trigger indicative of the outgoing call is created and transmitted to a server. In response to the request trigger, at least one call forwarding profile associated with the called party from the server. The at least one call forwarding profile includes at least one calling rule and one or more routing destinations. Based on the metadata information and the at least one calling rule, a first routing destination from the one or more routing destinations is determined. Thereafter, the outgoing call is routed to the first routing destination.

No. of Pages : 39 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :15/04/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : VIRTUAL REALITY | CONTROL | |
|---|------------|--|
| | | |
| (51) International classification | :G06F3/033 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)HCL Technologies Limited |
| (32) Priority Date | :NA | Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar |
| (33) Name of priority country | :NA | Pradesh, India Uttar Pradesh India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)TAMMANA, Sankar Uma |
| (87) International Publication No | : NA | 2)DHALIWAL, Jasbir Singh |
| (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 method and system for enabling a user to remotely perform an action in a real world via a virtual reality environment. The method comprises receiving user data associated with a user in a virtual reality environment and a real-time video stream associated with a store in a real world, and initiating multimedia on a device providing the virtual reality environment to the user. The method further comprise assigning one or more robots in the store to the user in virtual reality environment and generating a set of primary instructions, based on an action of the user in the virtual environment. The method furthermore comprises controlling the one or more robots based on the set of primary instructions, thereby enabling the user to remotely perform the action in the real world via the virtual reality environment.

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

(19) INDIA

(22) Date of filing of Application :18/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : DESIGN & FABRICATION OF HEXAGONAL CUTTING LATHE MACHINE

| (51) International classification:B23B11/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA | (71)Name of Applicant : 1)DR.SANJEEV SAINI Address of Applicant :63/3,FRIENDS COLONY,OPP.DAV COLLEGE JALANDHAR CITY-144008(PUNJAB) Punjab India 2)KARAMDEEP SINGH 3)JAGROOP SINGH 4)DR. GURUDUTT SAHNI 5)BALPREET SINGH KALRA (72)Name of Inventor : 1)DR. SANJEEV SAINI 2)KARAMDEEP SINGH 3)JAGROOP SINGH 4)DR.GURUDUTT SAHNI 5)BALPREET SINGH KALRA |
|---|---|
|---|---|

(57) Abstract :

The main concept of hexagonal cutting lathe machine is the functional requirement of the easy working without use of any fixtures and jigs. The assembly is such designed to have the minimum effort and maximum output and can be operated by even by a layman. The mechanism of assembly is illustrated by a prototype of 14" Lathe machine. The mechanism can be mounted on actual lathe for doing the same operations. The gear mechanism is used in this machine which rotates spindle and tool on their.own axis. The gear of spindle have 26 teeth and the gear on tool shaft have 13 teeth. Due to this speed of tool is twice the speed of spindle. A motor is used to give power to the spindle gear to run this machine. Due to effect of this tool wit11 three single point cutting tool performs hexagonal cutting on work piece.

No. of Pages : 11 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :14/08/2015

(43) Publication Date : 13/05/2016

(71)Name of Applicant : :B23B45/00 (51) International classification 1)Dr Radhey Sham (31) Priority Document No :NA Address of Applicant :# 159/C, Sector 51-A, Chandigarh (32) Priority Date :NA Chandigarh India (33) Name of priority country :NA 2)Gaurav Kumar (86) International Application No :NA 3)Harman Cheema Filing Date :NA **4)Bhupinder Singh** (87) International Publication No : NA (72)Name of Inventor : (61) Patent of Addition to Application Number :NA 1)Dr Radhey Sham Filing Date :NA 2)Gaurav Kumar (62) Divisional to Application Number :NA 3)Harman Cheema Filing Date :NA 4)Bhupinder Singh

(54) Title of the invention : HANDHELD DRILL MACHINE WITH DUST REMOVAL

(57) Abstract :

The drill machine having the capacity or capability to leave no dust behind while drilling the hole in wall (wooden, metal, concrete). This drill machine has a plastic chamber called collector to collect the dust sucked using vacuum suction. This drill machine further has a spring loaded cup that surrounds the revolving drill bit, which collects or sucks the dust while machine is drilling a hole, the spring loaded cup can move forward and backward with ease as the drill bit is moving inside the wall to collect each dust particle falling outside the hole. The cup is attached through pipe to vacuum suction and all the dust will be collected in the collector and an air filter will be attached in front of the drill motor to restrict the entry of dust particles. The inventive step in thesystem revolves around the technology that the suction is done through drill motor only instead of some external source or vacuum pump.

No. of Pages : 10 No. of Claims : 7

(22) Date of filing of Application :18/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : DESIGN & DEVELOPMENT OF HIGH CAPACITY GEAR. ASSEMBLY USED FOR LARGE SIZE HIGH TORQUE INDUSTRIAL VALVES

| | | (71)Name of Applicant : |
|---|------------|---|
| | | 1)DR. GURUDUTT SAHNI |
| (51) International classification | :F16H31/00 | Address of Applicant :154,KAPURTHALA ROAD,NEAR |
| (31) Priority Document No | :NA | PATELCHOWK JALANDHAR CITY-144008(PUNJAB) Punjab |
| (32) Priority Date | :NA | India |
| (33) Name of priority country | :NA | 2)DR.SANJEEV SAINI |
| (86) International Application No | :NA | 3)BALPREET SINGH KALRA |
| Filing Date | :NA | 4)AMANDEEP SINGH |
| (87) International Publication No | : NA | 5)KARAMDEEP SINGH |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)DR.GURUDUTT SAHNI |
| (62) Divisional to Application Number | :NA | 2)DR. SANJEEV SAINI |
| Filing Date | :NA | 3)BALPREET SINGH KALRA |
| | | 4)AMANDEEP SINGH |
| | | 5)KARAMDEEP SINGH |

(57) Abstract :

New Gear box assembly is such designed to compensate the high torque up to 12000Nm safely with a human effort of 80N, whereas the conventional gear box available in all industry segments gear torque stands up to 4000Nm.Due to this limitation mostly the globe valves can be designed up to 12 inch. This gear box assembly can be used up to valve size 30 inches. Gear box assembly consist of mainly the yoke sleeve which is rested over roller bearings through which power is transmitted from spur gear to bevel gear forming a gear train.

No. of Pages : 12 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :18/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : MAGNETO CEILING FAN FREE ENERGY SAVING SYSTEM

| (51) International classification | :G06F19/00 | (71)Name of Applicant : |
|---|------------|--|
| (31) Priority Document No | :NA | 1)GAURAV DHIMAN |
| (32) Priority Date | :NA | Address of Applicant : VILLAGE DHANG NICHLI P.O. |
| (33) Name of priority country | :NA | PLASSI KALAN, TEH NALAGARH, DISTT. SOLAR, H.P |
| (86) International Application No | :NA | 174101 Himachal Pradesh India |
| Filing Date | :NA | 2)PARVEEN KUMAR |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)GAURAV DHIMAN |
| Filing Date | :NA | 2)PARVEEN KUMAR |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

We have innovated a system which is based on magneto system and it is the combination of ceiling fan. Which generates the free electrical energy. It is very simple and useful idea to generate the free energy from that energy which is used to rotate the fan and it gives only air as output but by this system we have the two advantages from the single we get air as well as electricity from the same device. Fan is device which converts the electrical energy into mechanical energy with the help of magneto system we can convert the same mechanical energy into electricity device electrical energy this generated electrical can be use for many purposes. We can also store the energy and we can fulfill the large amount of electricity with this effective and simple technique. It is a reliable and beneficial product in the low cost

No. of Pages : 30 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :09/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A REVERSE TRICKLING BIO-ELECTROCHEMICAL FILTER FOR WASTE REDUCTION AND ELECTRICITY GENERATION

| (51) International classification | :H01M8/18 | (71)Name of Applicant : |
|---|-----------|--|
| (31) Priority Document No | :NA | 1)MATHURIYA, ABHILASHA SINGH |
| (32) Priority Date | :NA | Address of Applicant :C/O MR. GIRISH KUMAR, HOUSE |
| (33) Name of priority country | :NA | NO. 20, CHAUK DURGA PRASAD, BADI MATA VALI GALI, |
| (86) International Application No | :NA | DIBAI- BULANDSHAHAR- UP, INDIA. PIN- 202393. Uttar |
| Filing Date | :NA | Pradesh India |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)MATHURIYA, ABHILASHA SINGH |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Globally, billions are spent in the treatment of trillions of liters of wastewater every year, consuming substantial amounts of energy. However, chemical bonds of this wastewater contain lots of energy and could act as a renewable resource, saving significant quantities of energy and money. This can be achieved if the organic matter is broken down by electrically-active bacteria in an electrochemical cell, which, at the same time, helps clean up the wastewater. Bioelectrochemical systems (BESs) are unique systems capable of converting the chemical energy of wastewaters into electricity in microbial fuel cells (MFCs). Right from the beginning, the main limitation in BESs is the low power densities, over up-scaling due to slow transport across cellular membranes and ohmic voltage losses. Â In addition, BESs are facing challenge of high construction and operation cost. The present invention relates to a novel low cost, large scale trickling bioelectrochemical filter that utilizes waste water to generate electricity and operated as a continuous flowthrough system using an air cathode and its various aspects of operation were investigated.

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

(19) INDIA

(22) Date of filing of Application :27/04/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : A FLUORESCENCE ANALYZER SYSTEM FOR RAPID LATERAL FLOW ASSAYS

| (51) International classification:G01N33/57(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA | (71)Name of Applicant : 1)J.MITRA & CO.PVT.LTD Address of Applicant :A-180, OKHLA,PHASE-1, NEW DELHI,INDIA-110020 Delhi India 2)HEALTHCARE TECHNOLOGY INNOVATION CENTER (72)Name of Inventor : 1)LALIT MAHAJAN 2)NITIN MAHAJAN 3)JAYARAJ JOSEPH 4)JAYARAMAN KIRUTHI VASAN 5)MOHANASANKAR SIVAPRAKASAM |
|---|---|
|---|---|

(57) Abstract :

Fluorescence Analyzer (108) system for rapid lateral flow assays is an analyzer for rapid quantitative point of care tests. It is an accurate, reliable and easy to operate system which can read the Lateral flow immunoassay tests and calculate the quantitative result value very quickly. It is a highly sensitive instrument which is capable of quentitatively determining the concentration of analytes present in the low volume sample by laser induced fluorescence detection technique. The analyzer is designed for reading. and analyzing diagnostic analytes for a range of various diseases.

No. of Pages : 42 No. of Claims : 15

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DISPLAYING METHOD IN COMBINATION WITH THE THREE-DIMENSIONAL SHOPPING PLATFORM AND THE GEOGRAPHICAL POSITIONING DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :02/01/2014 | (71)Name of Applicant : 1)SPREADTRUM COMMUNICATIONS (SHANGHAI) CO., LTD. Address of Applicant :BUILDING NO.1, SPREADTRUM CENTER, LANE 2288, ZUCHONGZHI ROAD, ZHANGIJIANG HIGH-TEACH PARK, PUDONGXINQU, SHANGHAI 201203, |
|--|---|--|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO/2014/201858 :NA :NA :NA :NA | CHINA (CN) China (72)Name of Inventor : 1)XIA, LU 2)JIN, LU 3)LIU, HAIPENG |

(57) Abstract :

A displaying method in combination with the three-dimensional shopping platform and the geographical positioning device, relates to the electronic business technical field, more specifically, to a shopping platform. The three-dimensional platform displays on the mobile terminals by a three-dimensional shopping platform displaying system, comprising a server. The mobile terminal is connected to a position information to the server. The three-dimensional shopping platform adds the information of the virtual stores corresponding to the physical stores located within a certain distance from the current geographical position into the basic data. The three-dimensional shopping platform displaying to the basic data and model used for displaying the virtual stores corresponding to the physical stores nearby by the arrays according to the basic data and model units. The three-dimensional shopping platform displaying to the model units. The stores and merchandises of the present invention are displayed in the three-dimensional form, which provides more information to users. It is easy to switch between the virtual stores and the physical stores, which further promotes the experience of shopping.

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

(12) PATENT APPLICATION PUBLICATION
 (21) Application No.2141/DEL/2015 A
 (19) INDIA
 (22) Date of filing of Application :15/07/2015
 (43) Publication Date : 13/05/2016
 (54) Title of the invention : AN IMPROVED PROCESS FOR PRODUCING SILICA AEROGEL THERMAL INSULATION PRODUCT WITH INCREASED EFFICIENCY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :NA :NA :NA :NA | (71)Name of Applicant : 1)INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS(ARCI) Address of Applicant :PLOT NO-102, INSTITUTIONAL ADDA ADDA ADDA ADDA ADDA ADDA ADDA |
|--|----------------------------------|---|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA : NA :NA :NA :NA | AREA,SECTOR-44 GURGAON-122003, HARYANA, INDIA Haryana India (72) Name of Inventor : 1) NEHA YESHWANTA HEBALKAR |
| Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to an improved method for producing silica aerogel in pure and flexible sheet form having effective suppression of radiative heat transport at high temperatures and increased thermal insulation property. The suppression of radiative heat transport was achieved by in-situ production of titanium dioxide nanoparticles in very minor concentrations during gelation of silica precursor, with nanoporous surface area more than 300 m2/g and acts as an infra red reflecting agent. When aerogel is subjected to heat during hot object insulation, it automatically turn into infra red reflecting material. Said silica aerogel can be incorporated into the inorganic fibre mat matrix individually or into two or more layers with. organic sponge sheet placed in between and stitched together to form a sandwich sheet to form highly insulating flexible sheet.

No. of Pages : 51 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :27/05/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MODIFIED JOURNAL ASSEMBLY FOR PULVERIZER (51) International classification :B02C15/04 (71)Name of Applicant : (31) Priority Document No 1)ALSTOM TECHNOLOGY LTD :NA (32) Priority Date Address of Applicant : BROWN BOVERI STRASSE 7, 5400 :NA (33) Name of priority country :NA BADEN.SWITZERLAND Switzerland (86) International Application No :NA (72)Name of Inventor: Filing Date :NA 1)KRISHNENDU ADITYA (87) International Publication No : NA 2)INDRAGANTI SATY SAIRAMCHANDRA RAO (61) Patent of Addition to Application Number :NA **3)MAHESH GOVIND KENDHE** Filing Date :NA **4)SUNIL CHAUHAN** (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present disclosure relates to a pulverizer 10 includes a pulverizer housing 130 with an grinding assembly 20 having a grinding table 30 situated therein. The grinding table 30 provides a grinding surface area 40 for a material, such as a fossil fuel, such as coal, to be pulverized. The grinding table 30 is mounted on a gearbox shaft 160 operatively connected to a gearbox drive mechanism 170 so as to be capable of driven rotation within the pulverizer housing 130. A journal assembly 50 having a journal head 60 and the journal assembly 50 and a spring assembly 180 are mounted on the pulverizer housing 12 so that the journal head 60 engage the spring assembly 180.

No. of Pages : 13 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :21/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : PENVEEL-CONVENIENT AND EFFECTIVE PLATFORM FOR SEARCHING, SELECTING AND PAYING TRANSACTIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Mr. Cripspen Chikuvadze Address of Applicant :5609 Princess Tower, Marina, Dubai, U.A.E. U.A.E. (72)Name of Inventor : 1)Mr. Cripspen Chikuvadze |
|---|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| Thing Duto | | |

(57) Abstract :

This software (Penveel©) will be used by any Bank in the world. This will be used to search, process and p3y business transactions. How it works - A Bank(s) with or without a global presence have to register on Penveel© upon fulfilling the agreed terms and conditions . The Bank(s) offices/branches in different countries will then upload the customers on Penveel©. Once the customers (around the world) are uploaded and registered, they can make payments/receive funds instantly. These users will among others :hings search and appoint quotes with the Bank freezing the quoted amount and guaranteeing payment.

No. of Pages : 47 No. of Claims : 32

(22) Date of filing of Application :21/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND SYSTEM FOR EMULATION OF MULIPLE ELECTRONIC DESIGNS IN A SINGLE **TESTBENCH ENVIRONMENT**

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :G01R31/3183 :NA :NA :NA :NA :NA :NA : NA | (71)Name of Applicant : 1)Prateek Sikka Address of Applicant :L-84, Lajpat Nagar-II, New Delhi- 110024, India Delhi India (72)Name of Inventor : 1)Prateek Sikka |
|---|--|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | : NA :NA :NA :NA :NA | |

(57) Abstract :

According to the present invention, a method and system for emulating multiple electronic designs on a single testbench is disclosed wherein number of instances of the original design to be connected on a single testbench is derived by calculating the capacity of the design and the testbench. It further creates a new wrapper design corresponding to 10 number of instances of the original design; and selectively adapt the design for emulation.

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

(19) INDIA

(22) Date of filing of Application :06/08/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PIVOTING DEVICE FOR WORK VEHICLE AND METHOD FOR MANUFACTURING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F16C33/78 :NA :NA :NA :PCT/JP2014/059013 :27/03/2014 :WO 2015/145695 :NA :NA :NA :NA | (71)Name of Applicant : 1)KOMATSU LTD. Address of Applicant :2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor : 1)DOI Shunji |
|---|---|---|
|---|---|---|

(57) Abstract :

In this pivoting device (10) for a work vehicle a support ring (107) is arranged between an output pinion (101) and a second bearing part (105) of a second pinion shaft (103) the support ring (107) abutting on both the second bearing part (105) and the output pinion (101) and supporting the output pinion (101) above the second bearing part (105). A seal member (108) has a mounting part (181) arranged on an outer peripheral surface (107a) of the support ring (107) and a lip part (182) formed protruding radially outward from the mounting part (181) the lip part (182) sealing the upper side of the second bearing part (105). The support ring (107) has a protruding part (117) provided protruding radially outward from the lower end thereof. The mounting part (181) is arranged higher than the protruding part (117) and the lip part (182) protrudes further outward than does the protruding part (117).

No. of Pages : 45 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :27/04/2016

(43) Publication Date : 13/05/2016

| (51) International classification | :F01P5/12 | (71)Name of Applicant : |
|---|-----------|---|
| (31) Priority Document No | :NA | 1)Shrikant Gulia |
| (32) Priority Date | :NA | Address of Applicant :S/o Ved Prakash, V&PO- Khandewla, |
| (33) Name of priority country | :NA | Teh- Farrukh Nagar, Dist- Gurgaon, Pin- 122504. Haryana |
| (86) International Application No | :NA | Haryana India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Shrikant Gulia |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : COOLER WITH AUTO-WATER PUMP CONTROL SYSTEM

(57) Abstract :

The invention relates to a water pump for use in an evaporative cooling system. More particularly, the invention relates to an improved water pump which is automatic turned off before overheating. There is provided a system for automatic control of a water pump in an evaporative cooler, said system comprises of a power supply source, a microcontroller; a control unit, which controls that pumping of the water pump placed in the evaporative cooler, a water level sensor which provides the water level indication to the microcontroller. The water level monitored by a probe sensor whose data fed to a microcontroller unit which is having the decision taking capability. As the water level gets below minimum level, control unit senses this and switch off water pump supply using relay control circuit. The control action reduces the energy consumed by the water pump.

No. of Pages : 10 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :28/04/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : A PUBLIC TRANSPORTATION SYSTEM | | | |
|--|------------|--|--|
| | | | |
| (51) International classification | :G08G1/127 | (71)Name of Applicant : | |
| (31) Priority Document No | :NA | 1)HCL Technologies Limited | |
| (32) Priority Date | :NA | Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar | |
| (33) Name of priority country | :NA | Pradesh, India Uttar Pradesh India | |
| (86) International Application No | :NA | (72)Name of Inventor : | |
| Filing Date | :NA | 1)TAMMANA, Sankar Uma | |
| (87) International Publication No | : NA | 2)DHALIWAL, Jasbir Singh | |
| (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 method and system for enabling modular public transportation in cities. The method comprises receiving one or more travel request associated with one or more users and assigning a companion box to each of the one or more users based on the travel requests. The method further comprises assigning one or more companion boxes to an engine box and generating a sequence of companion boxes based on the travel request corresponding to each of the one or more users. The method furthermore comprises coupling the engine box and each of the one or more companion boxes at one or more coupling location and detaching the engine box and each of the one or more companion boxes at one or more detaching location with the companion box, thereby enabling modular public transportation.

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

(19) INDIA

(22) Date of filing of Application :29/03/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : MOTOR PROTECTION RELAY | | |
|--|----------------|--|
| (51) International classification | :H05B 37/02 | (71)Name of Applicant : 1)Larsen & Toubro Limited |
| (31) Priority Document No | :NA | Address of Applicant :L&T House, Ballard Estate, P.O. Box |
| (32) Priority Date | :NA | No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra |
| (33) Name of priority country | :NA | India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)GHATGE, Vikas A |
| (87) International Publication No | : NA | 2)GORWADKAR, Rahul |
| (61) Patent of Addition to Application Number | :NA | 3)RANGASAMY, Prabakaran |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present disclosure provides a motor protection relay (MPR) with multiple sensor interfaces and an in-built data logging feature. MPR with inbuilt Data Logger is designed to display & record data logs of all events, protection, and metering parameters with sensor outputs. Power supply delivers appropriate power to sensors, OLED Display, Micro SD card, and receivers. Signal conditioning circuit converts Humidity/Temperature sensor output to required range by ADC before passing it to MPR CPU. For Pressure sensor and Motor Speed/Load Current Sensor, the output passes through RS-485 receiver and RS-485 respectively to reach MPR CPU. The data is logged with time stamp into on-board external Micro SD card. The output data logged sentences are available through Ethernet Port as well as COM Port to the client. The logged data can be displayed on a suitable display.

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

(22) Date of filing of Application :29/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR ISOLATION, IMPEDANCE MATCHING AND BUFFERING OF COMPOSITE ANALOG SIGNAL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | 1/40 :NA :NA :NA :NA | (71)Name of Applicant : 1)Larsen & Toubro Limited Address of Applicant :L&T House, Ballard Estate, P.O. Box No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor : 1)GHATGE, Vikas A |
|--|----------------------------------|--|
| (87) International Publication No | : NA | 2)RANGASAMY, Prabakaran |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)GORWADKAR, Rahul |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present disclosure relates to a system and method for isolation, impedance matching and buffering of composite analog signal. The device can be designed for conditioning of the incoming composite analog signals. The composite analog signal can contain radio detection and ranging (RADAR) signals, TV signals, etc. The signal can be conditioned with respect to source impedance and various voltage ranges as per the requirements. Further, a digital isolator can be provided along with an ESD/ transient protection means.

No. of Pages : 16 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :29/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATIC ADDRESSING AND TYPEIDENTIFICATION OF SLAVE DEVICES

| | COCE | |
|---|-------|--|
| (51) International classification | | (71)Name of Applicant : |
| | 17/00 | 1)Larsen & Toubro Limited |
| (31) Priority Document No | :NA | Address of Applicant :L&T House, Ballard Estate, P.O. Box |
| (32) Priority Date | :NA | No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra |
| (33) Name of priority country | :NA | India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)PATEL, Vijaykumar Hasmukhbhai |
| (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 a system and method for automatic addressing and type identification of multiple slave devices in a serial communication bus without collision detection. The master device in the communication system is able to identify the device type of each slave device, and assign the respective slave device a unique address that the slave device can save in its memory, whereas the master device stores the device type along with the unique address of each slave device in its memory.

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

(19) INDIA

(22) Date of filing of Application :29/03/2016

(54) Title of the invention : SHORT CIRCUIT FAULT INDICATION IN A MINIATURE CIRCUIT BREAKER

| (31) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :H02J 7/04 :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India (72)Name of Inventor : 1)SINHA, Neeraj 2)NAKUM, Kalpesh 3)GAUTAM, Aman |
|--|--|--|
| | | |
| Filing Date | :NA | 4)KUMAR, Santosh |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is an indicator device for short circuit fault indication in circuit breakers, said device comprising an indicating assembly, said assembly comprising: a flag means; one or more holding means originating from the said flag means in a diverging manner; wherein said assembly being operatively fixed in the arc gas escaping zone of the circuit breaker so as to cause obstruction to the escaping gas from the arc chute; characterized in that said holding means being adapted to absorb the kinetic energy of the gases and pops out indicating that the circuit breaker has cleared a short circuit fault.

No. of Pages : 16 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :29/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : EARTH LEAKAGE TRIP INDICATION IN RESIDUAL CURRENT CIRCUIT BREAKER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 9/32 :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India (72)Name of Inventor : |
|--|----------------------------------|---|
| Filing Date (87) International Publication No | :NA : NA | 1)NAKUM, Kalpesh 2)SINHA, Neeraj |
| (61) Patent of Addition to Application Number | :NA | 3)GAUTAM, Aman |
| Filing Date (62) Divisional to Application Number | :NA :NA | 4)KUMAR, Santosh |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is an indication mechanism for earth leakage fault indication in residual current circuit breakers (RCCB) 101, the said mechanism comprising: a slot on the cover for RCCB to indicate earth fault; an indication means comprising a lever link and a flag area with color codes; and a plunger assembled to a PMR assembly with permanent magnetic relay; WHEREIN during leakage, the core balanced current transformer (CBCT) of RCCB actuates the permanent magnet relay which continuously compares the input leakage current received from the CBCT with a predetermined threshold and consequently moves the plunger linearly resulting in delatching of PMR assembly to trip the RCCB and also to provide an impact force to actuate the said indication means to display the corresponding color code for earth leakage fault in the said slot of the cover of RCCB.

No. of Pages : 16 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :31/03/2016

(54) Title of the invention : SYSTEM AND METHOD FOR HIGH SPEED COMMUNICATION RETURN PATH

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :H01R 12/72 :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Larsen & Toubro Limited Address of Applicant :L&T House, Ballard Estate, P.O. Box No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor : 1)ANNAVARAM, Rakesh 2)OJHA, Manoj Mohan |
|---|--|---|
| (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 a system and method for for a high speed communication return path. Every signal should have its own return path whether it can be power or communication signals. Defining proper return of the signal depends on the frequency at which it is working. Low frequency takes the return path of low resistances where as high frequency signal takes the return path of low inductance path. As far as the whole system is considered, it should have a common ground.

No. of Pages : 15 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :31/03/2016

(54) Title of the invention : POWER FACTOR CONTROLLER AND METHOD FOR REACTIVE POWER MANAGEMENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 3/38 :NA :NA :NA :NA | (71)Name of Applicant : 1)Larsen & Toubro Limited Address of Applicant :L&T House, Ballard Estate, P.O. Box No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor : 1)DOVALE Henrych |
|--|----------------------------------|---|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :NA : NA :NA | 1)POKALE, Haresh 2)SINHA, Vishal |
| Filing Date(62) Divisional to Application NumberFiling Date | :NA :NA :NA | |

(57) Abstract :

Aspects of the repent disclosure provides a PF controller and a method for enabling reactive power management using intelligent control of the reactive power. An aspect of the present disclosure provides a power factor controller configured to correct power factor through reactive power management to achieve a desired power factor, for example a power factor near unity. The power factor controller can include a signal conditioning unit configured to measure real time voltage and current in power system, a microcontroller configured to receive the measured voltage and measure current, calculate a required reactive power (Kvar) by a power system to achieve a desired power factor, determine combination of capacitors or inductors, available in a reactive power bank, to supply to the required reactive power, while ensuring minimum switching of the capacitors and inductors to achieve the desired power factor, and generate switching output signals to be executed by relays/transistors of the determined capacitors and inductors.

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

(19) INDIA

(22) Date of filing of Application :31/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : AN ANGULAR COMPOUNDING APPARATUS :B63H (71)Name of Applicant : (51) International classification 1)Neoplast Engineering Pvt. Ltd. 1/08 (31) Priority Document No Address of Applicant :43, G.I.D.C Industrial Estate, Phase-1, :NA (32) Priority Date Vatva, Ahmedabad-382445, Gujarat, India. Gujarat India :NA (33) Name of priority country (72)Name of Inventor: :NA (86) International Application No 1)Shah Dhruy Javantilal :NA Filing Date :NA 2)Shah Atit Dhruv (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 :

 $\hat{a} \in \alpha An$ angular compounding apparatus $\hat{a} \in \bullet$ The present invention relates to an angular compounding apparatus comprising an angular scrapping blade (1) and an angular mixing blade (2). The scrapping blade (1) and the mixing blade (2) comprises at least one blade wing pair having two opposed wings (11, 12) and a central hub (7) having a bore there through with an inner diameter at least as large as the outer diameter of a shaft (13). Each individual wings (11, 12) having a root (4) attached to a central hub (7), a first crease (8) dividing the scrapping blade (1) and the mixing blade (2) into a leading portion (5a) having a leading edge (5) and a trailing portion (6a) having a trailing edge (6a), a tip portion (3a). The blade wings (11, 12) are projected downwardly at an angle of $7\hat{A}^\circ$ to $20\hat{A}^\circ$ and preferably $10\hat{A}^\circ$ to $15\hat{A}^\circ$ with respect to a plane line (10) being perpendicularly extended from the axis of the central hub (7).

No. of Pages : 26 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :31/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : "LOW LOSS HIGH EFFECTIVE AREA POLARIZATION MAINTAINING OPTICAL FIBER†•

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G01B 11/02 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Sterlite Technologies Limited Address of Applicant :E-1, E-2, E-3 MIDC Waluj, Aurangabad, Maharashtra - 431136 Maharashtra India (72)Name of Inventor : 1)Lanke Malleswara Rao 2)Pramod Ramdasrao Watekar 3)Nagaraju Bezawada 4)Sandeep Arjun Gaikwad |
|---|---|---|
|---|---|---|

(57) Abstract :

ABSTRACT The present disclosure provides an optical fiber. The optical fiber includes a first region defined from a longitudinal axis to a first pre-defined radius r1 from the longitudinal axis. The optical fiber includes a second region defined from the first pre-defined radius r1 to a second pre-defined radius r2. The optical fiber includes a third region defined from the second pre-defined radius r2 to a third pre-defined radius r3. The optical fiber includes a fourth region having a first stress application part and a second stress application part defined from the third pre-defined radius r3 to a fourth pre-defined radius r4. The optical fiber includes a fifth region defined from the third pre-defined radius r3 to a fifth pre-defined radius r5 excluding an area covered by the fourth region. The optical fiber includes a sixth region defined from the fifth pre-defined radius r5 to a sixth pre-defined radius r6. FIG. 1A

No. of Pages : 48 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :29/03/2016

(54) Title of the invention : CALIBRATION MECHANISM IN THERMAL RELEASE ASSEMBLY AND A METHOD THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 2/12 :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India (72)Name of Inventor : |
|--|-------------|---|
| Filing Date | :NA | 1)SUBBAIA, Gayathridevi |
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 2)RAMASAMY, Veerasamy |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides a thermo-magnetic release assembly in a multi-pole electrical switching device. The assembly comprising an arrangement of heater (1); bimetals (2); trip shaft means (4); and latching mechanism (5); and calibration screw means (3) isolated from said heater and said bimetal, and operable by a test set up module according to first and second time period. The test set up module comprising a tool assembly in each poles of said multi-pole electrical switching device to operate each of said calibration screw means and operable by means of a gear based mechanism. The tool assembly rotably engage with the calibration screw simultaneously at the first time period presetting said calibration screw ready for calibration, while at said second time period each of said calibration screw enable to rotate simultaneously by means of said gear based mechanism until said electrical switching device at very less during and in a simple manner.

No. of Pages : 18 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :30/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : RACKING MECHANISM FOR DRAW-OUT AIR CIRCUIT BREAKERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 11/173 :NA :NA :NA :NA | Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India (72) Name of Inventor : |
|--|------------------------------------|---|
| Filing Date (87) International Publication No | :NA : NA | 1)JOSHI, Jaishree, L. |
| (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 a racking mechanism for a draw-out circuit breaker comprising: at least one racking screw means rotably disposed in an enclosure; and at least two split bearing means of at least one diameter, connected to said racking screw means to hold said racking screw means; wherein, said racking screw means enabled to rotate with and said rotating motion of said racking screw means converted into a translational motion of plurality of rails provided on an enclosure cradle assembly and thereby enable insertion of said circuit breaker.

No. of Pages : 18 No. of Claims : 5

(22) Date of filing of Application :30/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A DOUBLE CRANK MECHANISM TO ACHIEVE CONDUCTOR ARRANGEMENT FOR SELECTIVE COORDINATION

| (51) International classification:H0 3/0(31) Priority Document No:NA (32) Priority Date(32) Priority Date:NA (33) Name of priority country(33) Name of priority country:NA (86) International Application NoFiling Date:NA (87) International Publication No(87) International Publication No: NA (87) International Publication No(61) Patent of Addition to Application Number Filing Date: NA : NA : NA : NA | Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India (72)Name of Inventor : 1)KHARATE, Sandeep, S. 2)MANAF 3)SINGH, Abhimanyu, K. |
|---|--|
| (61) Patent of Addition to Application Number :NA | 3)SINGH, Abhimanyu, K. |
| (62) Divisional to Application Number :NA Filing Date :NA | |

(57) Abstract :

In one implementation, a system comprising a double crank mechanism adapted to reverse the magnetic flux direction across at least one first conductor by changing the orientation of at least a magnetic material encompassing at least one secondary conductor is disclosed. In one implementation, a system, to withstand a thermal and/or mechanical stress imposed by at least a fault current, and/or to convert compensating attraction force into a repulsion force, is disclosed. The system comprises at least one secondary conductor enclosed by at least one magnetic material housing having at least one magnetic material, the magnetic material is rotatable over the secondary conductor, and at least one double crank mechanism operatively coupled to the magnetic material, and adapted to reverse the magnetic flux direction to achieve a transition between an attraction and a repulsion mode by rotating the magnetic material about the secondary conductor.

No. of Pages : 16 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :30/03/2016

(54) Title of the invention : REFRIGERATOR POWER AND USAGE MANAGEMENT DEVICE.

| (86) International Application No. NIA (72)N | HIND MAHESH SOCIETY, BIBWEWADI, PUNE-411 037, HARASHTRA, INDIA. Maharashtra India |
|--|--|
| | Name of Inventor : SUNEET HASMUKHLAL DOSHI |

(57) Abstract :

turns OFF the power to a refrigeration device (refrigerator or a deep freezer) at a pre-determined time, for a pre-determined time considering the power availability hours, seasons of the year, time of the day and the usage pattern set by the user. The device will operate automatically based on the above parameters to optimize the energy usage, protect the refrigeration device from erratic voltage conditions and provide a delay for the pressure settlement of the refrigerant in the device before restarting from a power failure. Effectively, the device shall also eliminate the frost deposition in non-frost free refrigeration devices. The device shall operate to minimize human intervention and inconvenience while using the refrigeration device in conditions of regular use, moving out of the house for a few days or extensive use as per the conditions.

No. of Pages : 13 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :30/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : MOTORIZED RACKING MECHANISM FOR CIRCUIT BREAKERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :H01H 3/22 :NA :NA :NA | (71)Name of Applicant : 1)Larsen & Toubro Limited Address of Applicant :L&T House, Ballard Estate, P.O. Box No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra India |
|---|------------------------------------|---|
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)JOSHI, Jaishree L. |
| (87) International Publication No | : NA | 2)SWAMI, Ganpat N. |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Aspects of the present disclosure relate to a motorized racking mechanism for draw-out type air circuit breakers. In an aspect, the proposed motorized racking mechanism has a motor and a gearbox for racking one or more air circuit breakers, wherein the gearbox can use gears such as a worm and a worm wheel, a bevel, a rack and pinion for controlling speed in order to get a desired speed reduction and generate a precise torque. Final rotation of the screw can be done with the help of the rack and pinion arrangement. The horizontally arranged gear can be housed as a kit and mounted on the base plate of a cradle. A micro switch can be used for supply cut off to the motor. Direction of the motor can be reversed through a rotation circuit that controls the direction of the motor.

No. of Pages : 18 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :30/03/2016

(54) Title of the invention : PLUGIN DISTRIBUTION BLOCK ASSEMBLY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :H02J 3/36 :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Larsen & Toubro Limited Address of Applicant :L&T House, Ballard Estate, P.O. Box No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor : 1)SABAPATHY, Manikandan |
|--|--|--|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application NumberFiling Date | :NA :NA | |

(57) Abstract :

The present disclosure relates to a distribution block assembly comprising a distribution busbar assembly; a device adapter; and an electrical device connected to the distribution busbar assembly through the device adapter.

No. of Pages : 33 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :30/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : POSITION LOCKING LINKAGES/MECHANISM FOR DRAW-OUT TYPE AIR CIRCUIT BREAKER

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :H02H 5/10 :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India |
|--|------------------------------------|---|
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)PATEL Sahil Taherali |
| (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 provides a position locking system for circuit breaker having rail assembly 19 to allow motion of breaker. The position locking system comprising: at least one sheet metal locking link 21 riveted on the rail in flanges of at least a cradle side plate 20 of the circuit breaker; and at least one position maintaining extension spring 27 operatively attached to sheet metal locking link to maintaining a position of rail to achieve the position locking. Slider link gives input to locking link thus achieving locking of system. This combination provides a locking for breaker movement in critical position.

No. of Pages : 16 No. of Claims : 4

(22) Date of filing of Application :31/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : MOTOR DRIVEN SPRING CHARGING DEVICE FOR A CIRCUIT BREAKER WITH REDUCED SPRING CHARGING TIME

| (51) International classification | :H02M 1/32 | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED |
|---|---------------|--|
| (31) Priority Document No | :NA | Address of Applicant :L & T House, Ballard Estate, P.O. Box: |
| (32) Priority Date | :NA | 278, Mumbai 400 001, State of Maharashtra, India Maharashtra |
| (33) Name of priority country | :NA | India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)CHAUDHURI, Sujata |
| (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 provides a motor driven spring charging device which drives the ratchet wheel in the charging direction during three quarter of the turn of the motor driven spring charging device. The present invention discloses a motor driven spring charging device which drives the ratchet wheel in the charging direction during three quarter of the turn of the motor driven spring charging device. The present invention deals with construction of the motor driven spring charging device consisting of worm-wheel and epicyclic gear to deliver high torque required to charge the main springs. The said spring charging device also consists of multiple pins that help in charging the springs at a higher speed i.e. at less time.

No. of Pages : 28 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :31/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : USE OF MUCILAGE OBTAINS FROM FRUITS OF GREWIA ABUTIFOLIA VENT EX A. JUSS. (FAMILY TILIACEAE) AS A PHARMACEUTICAL EXCIPIENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :A61K 31/7048 :NA :NA :NA :NA :NA : NA | (71)Name of Applicant : 1)MR. RAJESHWAR VISHWANATHRAO KSHIRSAGAR Address of Applicant :SCHOOL OF PHARMACY, SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED-431606, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor : 1)MR. KSHIRSAGAR RAJESHWAR VISHWANATHRAO |
|---|---|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 2)DR. SAKARKAR DINESH MANOHARRAO 3)DR. GATTANI SURENDRA GANESHLAL 4)MR. PATIL SWAPNIL GANJIDHAR |

(57) Abstract :

The present invention relates to Isolation of Mucilage from fruits of Grewia Abutifolia Vent ex A Juss. (Family Tiliaceae) and characterization to investigate its multifunctional properties as a Pharmaceutical excipient. This excipient can be used as Binder, Disintegrant, Mucoadhesive agent in Pharmaceutical dosage form comprising model drug and one or more pharmaceutically acceptable excipients. Description Technical field of Invention The present invention relates to isolation and characterization of mucilage from fruits of Grewia Abutifolia Vent ex A Juss. (Family Tiliaceae) as an excipient for Pharmaceutical dosage forms. It also discloses its binding and mucoadhesive potential in Pharmaceutical dosage form comprising model drug and one or more Pharmaceutically acceptable excipients.

No. of Pages : 43 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :01/04/2016

(54) Title of the invention : PERIOPICK DIAGNOSTIC TOOTHPICK. :A61C (71)Name of Applicant : (51) International classification 1)SAINI RAJIV 15/02 (31) Priority Document No Address of Applicant :760/5/26, PMT STAFF OTR, LONI, :NA (32) Priority Date TAL.: RAHATA, DIST.: AHMEDNAGAR- 413736. :NA (33) Name of priority country MAHARASHTRA, INDIA. Maharashtra India :NA (86) International Application No :NA (72)Name of Inventor : Filing Date :NA 1)SAINI RAJIV (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 improved version of toothpick is discussed, where a toothpick both straight and angulated is modified by color indicators and pH indictors. At one end of toothpick tip is marked with three different colors i.e. green (tip to 2mm), yellow (2 to 4mm) and red (4-6mm). These are designated according to the periodontal deepening of gingival sulcus and this color coded toothpick will help to measure the sulcus depth/periodontal health easily. Another end of the toothpick is coated with pH indicator substrate, so that when it's placed in mouth for few seconds, the color change will indicate the condition of pH. Therefore this combination of two indicator on toothpick i.e. sulcus depth measurement and pH indicator will be a true too tool for evaluating the gingival/periodontal health.

No. of Pages : 7 No. of Claims : 3

(22) Date of filing of Application :01/04/2016

(43) Publication Date : 13/05/2016

| (51) International classification11/24(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No:NA | (71)Name of Applicant : GAURAV GAJANAN PITALE Address of Applicant :FLAT NO. 24, RUTUGANDHA APARTMENTS, GOKULNAGAR, NARHE ROAD, PUNE-411041 Maharashtra India UMANG RAJESH SHAH SIDDHLING SHIVANAND SALGAR SHRAVANI SANJAY DHAVALE (72)Name of Inventor : SHRAVANI SANJAY DHAVALE SIDDHLING SHIVANAND SALGAR UMANG RAJESH SHAH |
|---|--|
|---|--|

(57) Abstract :

The invention is to provide safety and overcome problems such as under inflation of tyres, avoid tyre wear and tear and to increase tyre life. It can be opted for any tyre of any vehicle. Once the underinflated state of the tyre is detected by the sensor, the system starts. The air starts flowing from the compressor to the valve and then through the probe to the axle. Thus the tyre gets inflated. The axle rotates inside the hub and the movement is locked by using circlips, o-rings are used as sealing elements to avoid air leakage and are placed on the probe.

No. of Pages : 13 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :01/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : INTERIOR MAGNET ROTORS WITH SPECIAL GEOMETRY FOR IMPROVING EFFICIENCY OF LINE START PERMANENT MAGNET SYNCHRONOUS MOTORS

| (51) International classification | :B29B 7/48 | (71)Name of Applicant : 1)BHARAT BIJLEE LIMITED |
|---|---------------|--|
| (31) Priority Document No | :NA | Address of Applicant :ELECTRIC MANSION, 6TH FLOOR, |
| (32) Priority Date | :NA | APPASAHEB MARATHE MARG, PRABHADEVI, MUMBAI- |
| (33) Name of priority country | :NA | 400025. Maharashtra India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)NAIK ANIL MANGESH |
| (87) International Publication No | : NA | 2)DEEXIT VITTHAL SHREEPAD |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An improved rotor (A) of an LSPMS motor made of aluminium die casting is provided with four interior permanent magnets (1) positioned on the rotor body symmetrically around a shaft (2) in specified slots made on the rotor body. Additional slots (3) are incorporated in the rotor body to create high reluctance paths which improves the efficiency of the motor.

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

(19) INDIA

(22) Date of filing of Application :04/04/2016

(54) Title of the invention : AUTOMATIC AIR BLAST FLUSHING OF ELECTROSTATIC PRECIPITATOR (ESP)

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :B03C 3/68 :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)SUNIL MANIKLAL MUTHA Address of Applicant :12, EAST HIGH COURT ROAD, RAMDASPETH, NAGPUR-440010 MAHARASHTRA, INDIA Maharashtra India 2)DR. BHIMRAO SITARAM UMRE 3)MADIREDDY HIMA BINDU SAI (72)Name of Inventor : |
|---|---|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | : NA :NA :NA :NA :NA | (72)Name of Inventor . 1)SUNIL MANIKLAL MUTHA 2)DR. BHIMRAO SITARAM UMRE 3)MADIREDDY HIMA BINDU SAI |

(57) Abstract :

Present invention provides specially design of an automatic air blast flushing of Electrostatic Precipitator (ESP). The plate type electrostatic precipitator is commonly used for preventing pollution and collection of dust particles in industries. This article deals with idea of preventing the damage due to dc shorting that may occur between discharge electrode and grounded collection plates (excessive accumulation of ash particles on the plates due to high resistivity being one of the reason) by automatic air blast flushing mechanism for dislodging the accumulated ash/dust particles. Following invention is described in detail with the help of Figure 1 of sheet 1 showing Complete external view of electrostatic precipitator (ESP) with air blast flushing mechanism using piston assembly at the top Figure 2 of sheet 2 showing Internal structure of main body (2) of electrostatic precipitator (ESP) showing collecting plates (8) and discharge electrodes (9) and Figure 3 of sheet 3 showing High voltage (HV) rectifier and power supply circuit to give HV output to collecting plates (8) and discharge electrodes (9) and Figure 4 of sheet 3 showing Complete internal picture of ESP showing all the essential components and machinery

No. of Pages : 18 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :27/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : AN IMPROVED ASSEMBLY OF THERMO-MAGNETIC RELEASE IN MOULDED CASE CIRCUIT BREAKERS

| (31) International classification7/00(31) Priority Document No:NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India |
|---|---|
| (86) International Application No :NA | (72)Name of Inventor : |
| Filing Date :NA | 1)KUMAR, Senthil, V. |
| (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 provides an improved assembly of Thermo-magnetic release (TMR) for use in a molded case circuit breaker, said assembly comprising: a housing (1) for receiving plurality of components of said TMR; a top cover (2) coupled to said housing and comprises one or more slots, said top cover adapted hold at least one adjuster (6) and constrain free rotation of said adjuster using gear teeth; a magnetic tuner (4) rotatably engaged with said assembly and comprises one or more hooking part for hooking at least one spring means (10), wherein magnetic tuner adapted to provide wider magnetic setting by varying spring force acting on at least one moving core (8) and air gap between said moving core and at least one fixed core; a shaft latch means (3) comprises a combination of an overload shaft part, a magnetic shaft part and a latch part; said moving core having one end resting on said magnetic tuner, wherein said moving core comprises plurality of slots for hooking said springs means to provide fine magnetic calibration; a heater (7) having one or more slots for providing a surface for attaching a bimetal; and said adjuster, provided with a gear mechanism to enable locking of said adjuster with said gear teeth of said top cover and thereby locking of said magnetic tuner and said shift latch in at least one position.

No. of Pages : 30 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :27/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A HIGH POWER SOLID STATE CONTACTOR ASSEMBLY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :H01H 13/14 :NA :NA :NA :NA :NA : NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India (72)Name of Inventor : 1)PANDA, Rajesh, Kumar 2)VEERAMALLA, Jitendar |
|---|---|---|
| (87) International Publication No (61) Patent of Addition to Application Number | : NA :NA | 2)VEERAMALLA, Jitendar |
| Filing Date | .NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a high power hybrid solid state contactor assembly for providing making and breaking of branch circuits without any production of arc in switchgear arrangements. The assembly comprises at least one high rate electromechanical contactor (1), at least one solid state device (20 which is located upon a heat sink assembly (3) and a control circuit. The contactor is operatively electrically connected to the said solid state device so as to provide making and breaking of the branch circuit without formation of any arc.

No. of Pages : 21 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :28/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : HEIGHT ADJUSTABLE PUNCHING MACHINE

(57) Abstract :

A system for adjusting number of pages to be punched by punching machine, the existing system consist of plunger, guide, cutting blade, support plate, riveted joints and engaging pins. In existing punching machine variable width of pages cannot be punched and if tried to punch more number of pages, pages get damage. Proposed idea is designed in such a way that variable/more number of pages can be punched without damage. To achieve this objective leads screw, spring and nut is installed. Hence this invention relates to a system in which more number of pages can be punched without getting damage.

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

(19) INDIA

(22) Date of filing of Application :28/03/2016

(54) Title of the invention : APPARATUS FOR PREVENTION OF LOSS OF LIQUID DUE TO EVAPORATION

| | :H01L | (71)Name of Applicant : |
|---|-------|---|
| (51) International classification | 41/00 | 1)KRISHNA NAGARE |
| (31) Priority Document No | :NA | Address of Applicant : APANA ANGAN CHS LTD., FLAT |
| (32) Priority Date | :NA | NO A 13, PLOT NO.34, SECTOR 14, KOPARKHAIRANE, |
| (33) Name of priority country | :NA | NAVI MUMBAI 400 709, MAHARASHTRA, INDIA. |
| (86) International Application No | :NA | Maharashtra India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)KRISHNA NAGARE |
| (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 an apparatus for prevention of loss of oil due to evaporation. The invention provides means for collection of the oil which is evaporated due to heat from any apparatus, device or vessel containing the liquid. The apparatus does not consume any electricity and is wind energy powered.

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

(19) INDIA

(22) Date of filing of Application :28/03/2016

(54) Title of the invention : APPARATUS FOR MONITORING OF CONTAMINATION OF OIL USED IN MACHINES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 11/08 :NA :NA | (71)Name of Applicant : 1)KRISHNA NAGARE Address of Applicant :APANA ANGAN CHS LTD., FLAT NO.A 13, PLOT NO.34, SECTOR 14, KOPARKHAIRANE, NAVI MUMBAI 400 709, MAHARASHTRA, INDIA. Maharashtra India |
|--|---------------------|---|
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)KRISHNA NAGARE |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The apparatus of the present invention is useful for monitoring of contamination of the oil used in a machine, apparatus or vessel. The apparatus comprises of a transparent vessel containing an inlet means for allowing entry of the oil-contaminant mixture into the vessel. The oil-contamination mixture is allowed to settle in the vessel thereby allowing sedimentation of the contaminants into the vessel. The magnet attached to the bottom or base or walls of the vessel attracts the magnetic contaminants and prevents them from mixing into the oil.

No. of Pages : 12 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :28/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHYTO-PURIFICATION TREATMENT OF SEWAGE USING PENNISETUM PURPUREIUM THROUGH ANGULAR WITH ZIGZAG OR CIRCULAR HORIZONTAL SUBSURFACE FLOW (AZHSSF) CONSTRUCTED WETLAND

| (51) International classification | | (71)Name of Applicant : |
|---|------|---|
| (31) Priority Document No | :NA | 1)PROF. (DR.) SATISH P. PATIL |
| (32) Priority Date | :NA | Address of Applicant :DEPARTMENT OF |
| (33) Name of priority country | :NA | ENVIRONMENTAL SCIENCE, DR. B.A.M. UNIVERSITY, |
| (86) International Application No | :NA | AURANGABAD, MAHARASHTRA, INDIA. Maharashtra India |
| Filing Date | :NA | 2)DR. VINAYAK POPAT DHULAP |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)PROF. (DR.) SATISH P. PATIL |
| Filing Date | :NA | 2)DR. VINAYAK POPAT DHULAP |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In one of the important aspect of the invention it is provided that a method for phytoremediation of waste water is provided, the macrophytes used for the purpose of the phytoremediation includes Typha latifolia, Cana indica, Phragmites karka, Colocasia esculenta, Pennisetum purpureium, Panicum maximum, Eichhornia crassipes which is grown in the flow bed; the flow bed is constructed according to fig.l having the layers of pebble, gravel and soil on the top on which the macrophytes is grown, the water flow through the inlet is regulated on the flow bed in angular or zigzag manner provided an appropriate time to residence so that the impurities present in the water is absorbed/ adsorbed on the flow bed, further to provide flow of water the flow be is provided predetermined angle to maintain the flow of waste water, the impurities present in untreated water and the treated water is determined in conventional manner;

No. of Pages : 36 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :28/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR UNIVERSAL ISOLATED DIGITAL INPUT SENSING

| (51) International classification:H03(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NAKa:NAFiling Date:NAState:NAState:NAState:NAState:NAFiling Date:NAState <th>Address of Applicant :L&T House, Ballard Estate, P.O. Box No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor : 1)OJHA, Manoj Mahon 2)MISTRY, Samir</th> | Address of Applicant :L&T House, Ballard Estate, P.O. Box No. 278, Mumbai – 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor : 1)OJHA, Manoj Mahon 2)MISTRY, Samir |
|--|---|
|--|---|

(57) Abstract :

The present disclosure relates to an input sensing circuit for digital input sensing, wherein the circuit comprises a first opto-isolator (iso1) configured to sense input signal; a constant current circuit configured to generate a constant current; and a digital sampling circuit comprising a second opto-isolator (iso2), wherein the constant current circuit enables constant current through led of the first opto-isolator (iso1) by providing driving current for the first opto-isolator (iso1) in a wider input sensing range, and wherein power dissipation in the constant current circuit is compensated by the digital sampling circuit.

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

(19) INDIA

(22) Date of filing of Application :28/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : ELECTRICAL SWITCHING DEVICE WITH HIGH MAKING CAPACITY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :H02B13/02 :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, P.O. Box: 278, Mumbai 400 001, State of Maharashtra, India Maharashtra India |
|--|--|---|
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)ANTONY, Bonny, C. |
| (61) Patent of Addition to Application Number | :NA | 2)PANICKER, Abhishek |
| Filing Date | :NA | 3)KAMAT, Sudhir, S. |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides an electrical switching apparatus comprises: a load conductor (5) and a line conductor (3); at least one pair of separable contacts (8) electrically connected between the load conductor(5) and the line conductor(3); an moving conductor assembly adapted for movement between an open position and a closed position to open and close the separable contacts; an arc chute(9) positioned adjacent the separable contacts(8) and an arc runner(2) electrically connected to one of the separable contacts and extending toward the arc chute to provide a path for an arc struck between the separable contacts(8) as the separable contacts open with movement of the operating assembly from the closed position. The stationary arcing contact and the arc runner(2) comprise of an electrically conductive member having a base surface in contact with the line terminal, a stationary contact surface forming the stationary arcing contact, and a runner(2) surface leading toward the arc chute.

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

(22) Date of filing of Application :12/04/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SAMARTH URJA RECY | YCLE SYSTE | M |
|--|----------------------|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H02J 7/14 :NA | (71)Name of Applicant : 1)MR.NANDAKUMAR DATTATRAY SUTAR Address of Applicant :AT POST - WADA KANERI, TAL - KARVEER, DIST - KOLHAPUR, MAHARASHTRA, INDIA- 416234 Maharashtra India (72)Name of Inventor : 1)MR.NANDAKUMAR DATTATRAY SUTAR |

(57) Abstract :

The electrical energy recycling system uses electrical energy from battery to run inverter. Inverter is connected to electric motor which runs with the help of electrical energy from inverter. Electric motor rotates alternator which is connected in between motor and battery. Alternator runs continuously and it helps battery to get recharged constantly. If this process kept running continuously then there is continuous generation of electricity which can be used for house through inverter. There is no need of any external source of electric supply or source of fuel to run this energy recycling system.

No. of Pages : 9 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :12/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : THE DNA BARCODE ASSISTED LABELLING FOR THE FISH, MOLLUSKS AND CRUSTACEANS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :A01K 61/00 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)VIVEK ROHIDAS VARTAK Address of Applicant :KHAR LAND RESEARCH STATION, BANDAR ROAD, PANVEL-410206 RAIGAD, MAHARASHTRA. Maharashtra India (72)Name of Inventor : 1)VIVEK ROHIDAS VARTAK |
|--|---|---|
| (87) International Publication No | : NA | 2)RAJENDRAN N. |
| (61) Patent of Addition to Application Number | :NA | 3)W.S.LAKRA |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention describes a method that is used for the application of DNA barcodes rather than the generation of those sequences. Specifically, a new method for creation of electronic barcodes assisted with DNA barcodes is described for effective use of DNA sequence from a biological specimen to a library of reference DNA barcode sequences in particular NCBI database. As a result of this comparison, the specimen can quickly identify and categorized. In accordance with an aspect of the invention, there is provided a method for identification DNA barcode sequences for a barcode database, the method comprising the steps of: receiving a DNA barcode sequence; editing the received DNA barcode sequence by removing all characters except those characters uniquely identifying one of the four nucleotide subunits of a DNA strand; submitting the edited DNA barcode sequence to NCBI database for getting unique accession number, associating this accession number with its scientific species name using software for creating unique electronic barcode labels for further use in sale or export of the fish/ crustacean/mollusk.

No. of Pages : 14 No. of Claims : 6

(22) Date of filing of Application :12/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR RECOGNIZING MUSICAL INSTRUMENT SOUND USING FRFT BASED MFCC FEATURES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G10H7/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)DR. BORMANE DATTATRYA SHANKAR Address of Applicant :JSPM'S RAJARSHI SHAHU COLLEGE OF ENGINEERING, S.NO.80, PUNE-MUMBAI BYPASS HIGHWAY, TATHAWADE, PUNE-411033, MAHARASHTRA, INDIA. Maharashtra India 2)MR. BHALKE DAULAPPA GURANNA 3)DR.C.B. RAMA RAO (72)Name of Inventor : 1)DR. BORMANE DATTATRYA SHANKAR 2)MR. BHALKE DAULAPPA GURANNA 3)DR.C.B. RAMA RAO |
|---|--|---|
|---|--|---|

(57) Abstract :

The automatic classification of musical instrument has been built using novel Fractional Fourier transform (FrFT) based MFCC feature. The discriminating capability of the proposed features have been maximized for between-class instruments and minimized for within-class instruments compared to other conventional features. Also, the proposed features show significant improvement in classification accuracy compared to other conventional features. McGill University Master Sample (MUMS) sound database has been used to test the performance of the system. Keywords: MFCC, FrFT, Musical instrument classification, FrFT-based MFCC features

No. of Pages : 14 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :13/04/2016

(54) Title of the invention : SYSTEM AND METHOD FOR RELIABLE INTRUSION DETECTION IN COMPUTER NETWORK SYSTEMS

| (51) International classification | (71)Name of Applicant : |
|---|---|
| (51) International elassification 21/55 | 1)SHAH VRUSHANK MANHARLAL |
| (31) Priority Document No :NA | Address of Applicant :21/246 PARASNAGAR-2, SOLA |
| (32) Priority Date :NA | ROAD, AHMEDABAD, GUJARAT, INDIA Gujarat India |
| (33) Name of priority country :NA | 2)AGGARWAL AKSHAI KUMAR |
| (86) International Application No :NA | (72)Name of Inventor : |
| Filing Date :NA | 1)SHAH VRUSHANK MANHARLAL |
| (87) International Publication No : NA | 2)AGGARWAL AKSHAI KUMAR |
| (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 is a system and method for reliable intrusion detection in computer network systems which are connected by local area network or through internet using wired or wireless connections. The reliable intrusion detection system detects the type of attack present in the computer system and protects the system both from internal as well as external intruders. It involves the functioning of multiple intrusion detection systems, fusing the alerts obtained from individual systems and outputs a global decision. So the decision about the presence of an attack obtained from this framework, is more realistic to ground truth compared to the decision obtained from single intrusion detectors. The system detects attack with very high probability and reduces the rate of any false detections.

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

(22) Date of filing of Application :21/04/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : ELECTRIC GENERATOR | R | |
|--|----------------------|--|
| (51) International classification (31) Priority Document No | :H05H 1/46 :NA | (71)Name of Applicant : 1)KALSEKAR DANISH Address of Applicant :Sea Rock Engineering Works, Plot No: |
| (32) Priority Date | :NA | E-88, MIDC Mirjole, Ratnagiri - 415639, Maharashtra, India |
| (33) Name of priority country | :NA :NA | Maharashtra India |
| (86) International Application No Filing Date | :NA :NA | (72)Name of Inventor : 1)KALSEKAR DANISH |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An electric generator is disclosed. The electric generator comprises a first stator (202) and a second stator (206) configured to encompass a rotor (204), wherein, on energization the rotor (204) is configured to define a plurality of rotating magnetic fields, the plurality of rotating magnetic fields formed on either sides of the rotor (204) being adapted to generate an electromotive force at the first stator (202) and the second stator (206).

No. of Pages : 16 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :22/04/2016

(54) Title of the invention : IMPROVED LIFE MEASURING STATIONARY EQUIPMENTS

| | (71)Name of Applicant : |
|--------|--|
| 37/013 | |
| :NA | Address of Applicant :FLAT NO. 402, A-WING, |
| :NA | NAKSHATRA APT., PHASE-2, PURNANAGAR, |
| :NA | CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA. |
| :NA | Maharashtra India |
| :NA | 2)CHINMAY JOSHI |
| : NA | (72)Name of Inventor : |
| :NA | 1)SHRINIVAS JORAPUR |
| :NA | 2)CHINMAY JOSHI |
| :NA | |
| :NA | |
| | 37/013 :NA :NA :NA :NA :NA :NA :NA :NA |

(57) Abstract :

The use of stationary equipments including measuring scale, protractor, procircle, set-square, drafting scale, roller scale, etc plays a very important role in student"s educational course. It is widely used right from primary education uptill pursuing the masters. It is reqularly used in a variety of fields. Due to versatility of these equipments and their continuous usage it is observed that the printed measurement markings on the working side of the equipments used by the students tend to get erased. It is a major problem observed as once the markings get erased the equipment becomes unfit for further use and there is a need for replacing it with a new one, which means buying one from market by spending money. Our invention clearly improves the life of the stationary equipments which is done by laminating the working surface/side (the side exposed to wear and contains the printed measurement marking) with a thin coating of regular transparent adhesive tape. It not only improves the life but it also makes the proposed equipment cost effective as the frequency of buying a new equipment is reduced.

No. of Pages : 9 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :22/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A COOLING SYSTEM FOR ACTIVE AND PASSIVE COOLING OF A SUBSTANCE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 7/26 :NA :NA :NA :NA | (71)Name of Applicant : 1)SURENDRA HIMATLAL SHAH Address of Applicant :A-501/A-502, JUHU TRISHUL CHSL, GULMOHAR CROSS ROAD NO. 6, J.V.P.D. JUHU, MUMBAI-400 049 MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor : |
|--|----------------------------------|---|
| Filing Date (87) International Publication No. | :NA | 1)SURENDRA HIMATLAL SHAH |
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application NumberFiling Date | :NA :NA | |

(57) Abstract :

The present invention provides a cooling system for active and passive cooling of a substance, the cooling system comprising: at least one evaporator for receiving and carrying a heat transfer substance in fluid form, the at least one evaporator includes inlet and outlet, the at least one evaporator through the heat transfer substance absorbs heat from a substance to be cooled/heated and provides a vapor form of heat transfer substance at the outlet; a condenser for condensing the vapor of the heat transfer substance generated at the evaporator and providing the heat transfer substance in liquid from, the condenser includes inlet and outlet; at least one condenser cooling means for cooling the vapor of the heat transfer substance; first cooling selection valve being bridging between the outlet of at least one evaporator; at least one compressor for pressuring the vapor of the heat transfer substance generated in the evaporator, the at least one compressor includes inlet and outlet, the inlet of at least one compressor is connected to the inlet of the condenser; a pressure reducing means having inlet and outlet, the inlet of at least one evaporator and the outlet of at least one evaporator; and the outlet of at least one evaporator and the inlet of at least one compressor is connected to the outlet of condenser; a pressure reducing means having inlet and outlet, the inlet of at least one evaporator; and a control unit being in communication with the first cooling selection valve and second cooling selection valve such that both valves being open during passive cooling and closed during active cooling

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

(19) INDIA

(22) Date of filing of Application :14/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : AN EXPANDABLE DENTAL IMPLANT WITH IMPROVED LOCKING

| (51) Totana (1.1.1.1) (1.1.1) | CO/CO (71) Name of Americant |
|---|---|
| (51) International classification :A61 | C8/00 (71)Name of Applicant : |
| (31) Priority Document No :NA | 1)Diwan Jayendra Bhupendrabhai |
| (32) Priority Date :NA | Address of Applicant :F – 405, Bhagwat Green, Nr. Aakruti |
| (33) Name of priority country :NA | Township, Narol Lambha Road, Narol, Ahmedabad - 382405, |
| (86) International Application No :NA | Gujarat, India. Gujarat India |
| Filing Date :NA | 2)Zaveri Anurag Dilipkumar |
| (87) International Publication No : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number :NA | 1)Diwan Jayendra Bhupendrabhai |
| Filing Date :NA | 2)Zaveri Anurag Dilipkumar |
| (62) Divisional to Application Number :NA | |
| Filing Date :NA | |

(57) Abstract :

The present invention relates to an expandable dental implant and more particularly, it relates to a dental implant with improved locking for better retention and high tensile strength. The present invention dental implant mainly comprises an implant body (8), an abutment body (9) and a locking pin (7). The locking of the present invention provides easy fitting and high retention which avoids loosening of screw, fracture of screw or implant and tensile stress with respect to the daily use. The present invention locking specifically avoids tedious process of tightening which results in lesser local stress diminish cyclic load as well as provides efficient locking of the implant.

No. of Pages : 20 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :14/04/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : AN AIR CURTAIN SYS | TEM | |
|--|---------------|--|
| (51) International classification | :B60J 9/04 | (71)Name of Applicant : 1)Nitin Babanrao Kardekar |
| (31) Priority Document No | :NA | Address of Applicant :Subak, Warje-Malwadi,Pune 411058 |
| (32) Priority Date | :NA | Maharashtra India |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)Nitin Babanrao Kardekar |
| 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 :

AN AIR CURTAIN SYSTEM The present disclosure envisages an air curtain system. The air curtain system comprises a housing, within which is defined an elongate opening. The air curtain system further comprises a shaft rotatably disposed within the housing and driven by a motor, wherein the motor is disposed either within the housing or external to the housing. An axial fan is mounted on the shaft such that the axial fan is rotatable within the housing for blowing air out of the elongate opening for constituting an air curtain. The motor is mounted within the housing in a manner that the elongate opening is not obstructed by presence of the mounting equipment required for the mounting of the motor.

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

(19) INDIA

(22) Date of filing of Application :15/04/2016

(54) Title of the invention : FORMULATION OF LIQUID BIOINOCULANT FOR AGRICULTURE

| (51) International classification(31) Priority Document No(32) Priority Date | :A01N 63/04 :NA :NA | (71)Name of Applicant : 1)Ms. Minal Trivedi Address of Applicant :Research Student, Rajiv Gandhi Biotechnology Centre, Rashtrasant Tukadoji Maharaj Nagpur |
|--|------------------------------|---|
| (32) Filolity Date (33) Name of priority country | :NA | University, Nagpur. Maharashtra India |
| (86) International Application No | :NA | 2)Dr. Arti Shanware |
| Filing Date | :NA | 3)Dr. Surekha Kalkar |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)Ms. Minal Trivedi |
| Filing Date | :NA | 2)Dr. Arti Shanware |
| (62) Divisional to Application Number | :NA | 3)Dr. Surekha Kalkar |
| Filing Date | :NA | |

(57) Abstract :

Vidarbha region is home for approximately 3.4 million cotton farmers and 95% of these are struggling with the massive debt. Majority of suicide cases are from this region. The farmers in India are paying more prices for inputs like seeds, pesticides, fertilizers, electricity, water, and labour whereas the price of crops has gone down along with decreased productivity. Therefore present invention relates to a formulation and method of providing microbial consortium based liquid bioinoculants comprising mixture of microbial isolates for wide spread use in agriculture practices which would ensure longer survival, no contamination, ease of applicability. Hence it will contribute in lowering these suicides especially in the Vidharbha region. Accordingly present invention, liquid bioinoculants formulation comprising bacterial isolate of S.maltophilia, Enterobacter sp., B.nealsonii, P.aeruginosa, Rhizobium sp., A.calcoaceticus having plant promoting factors that can also be used under less favourable conditions without affecting the crop productivity.

No. of Pages : 20 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :20/04/2016

(54) Title of the invention : AN ABSORBENT AID MEDICATED WITH HERBAL AGENTAND PROCESS FOR PREPARING THE SAME

| | | (71)Name of Applicant : |
|---|-------|--|
| (51) International classification | :A61K | 1)Dr. Kunjan M. Kikani |
| (51) International classification | 36/77 | Address of Applicant :Microbiology department, C. U. Shah |
| (31) Priority Document No | :NA | Medical college, Dudhrej road, Surendranagar Gujarat India |
| (32) Priority Date | :NA | 2)Dr. Mehul M. Sheta |
| (33) Name of priority country | :NA | 3)Mr. Parth Kavathia |
| (86) International Application No | :NA | 4)Ms. Jainy Thakkar |
| Filing Date | :NA | 5)Ms. Twinkle Rangnani |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)Dr. Kunjan M. Kikani |
| Filing Date | :NA | 2)Dr. Mehul M. Sheta |
| (62) Divisional to Application Number | :NA | 3)Mr. Parth Kavathia |
| Filing Date | :NA | 4)Ms. Jainy Thakkar |
| | | 5)Ms. Twinkle Rangnani |

(57) Abstract :

An absorbent aid medicated with a herbal agent and process for preparing the same is disclosed. The absorbent aid is impregnated with the herbal agent extract containing Emblica officinalis, Terminalia belerica, and Terminalia chebula or Ocimum sanctum, on a soaking means, which acts as protective surface killing microbes and inhibits growth of organisms like E.Coli, Candida sp., Enterococci, Staphylococci and Pseudomonas which cause skin infections, surgical wound/urinary tract infections. A variety of other herbal constituents can be used additionally or replacing one or more of the constituents of the herbal agent. Such an absorbent aid is free from adverse effects noted when synthetic compounds are present. Such an absorbent aid restricts anti-microbial contamination, has anti-inflammation effect, and has a smoothening effect on the skin and can be used for sensitive skinned as well as normal skinned people.

No. of Pages : 29 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :22/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : APPARATUS FOR SYNTHESIS OF ZINC, ZINC-OXIDE NANOPARTICLES AND ZINC-WATER NANOFLUID.

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C01G 9/02 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : Sonage Basgonda Kallappa Address of Applicant :C410/C411, Near Ganesh Temple, Sindhu Vihar, Bijapur road, Jule Solapur, Solpaur-413004 Maharashtra India (72)Name of Inventor : Sonage Basgonda Kallappa Padmanabha Mohanan |
|--|--|--|
|--|--|--|

(57) Abstract :

As Nanoparticles and Nanofluids are having a superior properties compared to bulk particles and conventional fluid respectively, their synthesis is gaining much importance in the present time. In the present invention a apparatus required for synthesis of Zinc nanoparticles, Zinc oxide nanoparticles and Zinc-water nanofluid is developed. The process of synthesis is also developed and carried out. With developed apparatus and process, zinc-water nanofluid is successfully manufactured. Synthesized fluid is filtered out to get zinc nanoparticles and filtered mass is heated to get zinc oxide nanoparticles.

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

(22) Date of filing of Application :22/04/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : LOW ENERGY MOTOR | | |
|--|-------|--|
| (51) International classification | 27/08 | (71)Name of Applicant : 1)MANAS RANJAN MISHRA |
| (31) Priority Document No | :NA | Address of Applicant :A-1/402, RAUNAK PARK, |
| (32) Priority Date | :NA | POKHARAN ROAD-2, MAJHIWADA, THANE-WEST 400610, |
| (33) Name of priority country | :NA | MAHARASHTRA, INDIA. Maharashtra India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)MANAS RANJAN MISHRA |
| (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 :

It is a PMDC motor with exception that here PM (Permanent magnet) rotates as in case of BLDC motor but the RPM and TORQUE is current dependent not frequency. Secondly the commutator and carbon brush system is replaced by proximity sensors which feed current to the coils sequentially to get the continuous rotary effect.

No. of Pages : 6 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :22/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : HIGH VOLTAGE DC POWER SUPPLY FOR HIGH POWER RADIO FREQUENCY AMPLIFIERS

| (51) International classification:H03C1/0(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAKa:NAKa:NAFiling Date:NAKa:NA | (71)Name of Applicant : (71)Name of Applicant : |
|--|---|
|--|---|

(57) Abstract :

The present invention provides a high voltage regulated DC power supply with full range 24 pulse input for ripple free output for high power RF amplifier, comprising: full range 24 pulse 3 phase 11 kV input system configured to provide uncontrolled low voltage DC bus, low input harmonics and high input power factor; a plurality of DC-DC power modules having their output connected in a series and coupled to the said DC bus voltage; each power module comprising a DC source, an inverter bridge IGBTs operating at predefined duty cycle and staggered to reduce the output ripple and output stored energy; and a combination of feed forward and feedback control circuit adapted to regulate the variations in the input line voltage and the variation in output at various load current to finally obtain ripple free high voltage output.

No. of Pages : 48 No. of Claims : 20

(22) Date of filing of Application :26/04/2016

(54) Title of the invention : BANDSAW MACHINE HAVING ADJUSTABLE INCLINATION OF TOP ARM

| (51) International classification | :B23K 37/04 | (71)Name of Applicant : 1)S. V. NATIONAL INSTITUTE OF TECHNOLOGY |
|---|----------------|---|
| (31) Priority Document No | :NA | (SVNIT) |
| (32) Priority Date | :NA | Address of Applicant :C/O- D C JINWALA, PROFESSOR |
| (33) Name of priority country | :NA | AND DEAN (RESEARCH & CONSULTANCY), |
| (86) International Application No | :NA | DEPARTMENT OF COMPUTER ENGINEERING, S V |
| Filing Date | :NA | NATIONAL INSTITUTE OF TECHNOLOGY, |
| (87) International Publication No | : NA | ICHHCHHANATH, SURAT-395007, GUJARAT, INDIA. |
| (61) Patent of Addition to Application Number | :NA | Gujarat India |
| Filing Date | :NA | (72)Name of Inventor : |
| (62) Divisional to Application Number | :NA | 1)MEWADA BHAVESHKUMAR GANPATLAL |
| Filing Date | :NA | 2)RAVAL HARIT KISHORCHANDRA |

(57) Abstract :

The present invention relates to a metal cutting bandsaw machine. More particularly, the present invention relates to a metal cutting bandsaw machine having adjustable inclination of top arm through which the user will be able to cut the metal at a selected cutting angle. The adjustable inclination of top arm makes possible of cutting of a metal/job with optimum metal removal rate with higher cutting accuracy and hence increases the output of cutting metal/job at a specific cutting parameter. Also it makes possible to accommodate wide range of material size.

No. of Pages : 19 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :26/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A LOW COST MAGNETITE NANO PARTICLE SYSTEM FOR HIGHER PRODUCT EFFICIENCY IN POLYMERASE CHAIN REACTION (PCR)

| (51) International classification | :C01B 39/02 | (71)Name of Applicant : 1)KELKAR-MANE VARSHA (DR.) |
|---|----------------|---|
| (31) Priority Document No | :NA | Address of Applicant :DEPT. OF BIOTECHNOLOGY, |
| (32) Priority Date | :NA | UNIVERSITY OF MUMBAI, VIDYANAGARI, KALINA |
| (33) Name of priority country | :NA | CAMPUS, SANTACRUZ (E), MUMBAI-400 098, |
| (86) International Application No | :NA | MAHARASHTRA, INDIA. Maharashtra India |
| Filing Date | :NA | 2)KAMBLI PRIYANKA MADHAV |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)KELKAR-MANE VARSHA (DR.) |
| Filing Date | :NA | 2)KAMBLI PRIYANKA MADHAV |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The PCR enhancing efficiency of nano-particles (NPs) of silver, gold and magnetite were chemically synthesized and characterized with respect to their optical absorption, size and morphology using uv-vis spectroscopy, nano-particle tracking system and AFM. Their effects on amplification of 800 bp prokaryotic DNA template with 30% GC content was studied using conventional thermal cycler. The reaction kinetics for all the three nano-fluids yielded a Gaussian curve of amplification yields with varying concentrations. The ammonium salt of oleic acid coated magnetite (Fe304) nano-particles at a concentration of 0.72 * 10"2nM and average size of 33 nm demonstrated highest enhancement amplification efficiency of 190% compared to 45% with the citrate stabilized AgNP-25 nm and 134% with AuNP-15.19 nm at much higher concentrations of 0.04 nM and 0.9 nM respectively. This invention offers magnetite nano-particles as economical, efficient and most effective among the transition metal yield enhancers for use in conventional PCR system.

No. of Pages : 20 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :28/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A POUCH MADE FROM THERMO PLASTIC POLYMERS FULLY INTERGRATED DISPENSING MECHANISM WITH BUILT-IN FLOW CHANNEL FOR MATERIAL TO FLOW

| (51) International classification | :C08L 33/14 | (71)Name of Applicant : 1)M/S. TREND PLASTPOUCHPACK PVT. LTD. |
|---|----------------|--|
| (31) Priority Document No | :NA | Address of Applicant :125, 1ST FLOOR, ADHYARU |
| (32) Priority Date | :NA | INDUSTRIAL ESTATE, SUN MILL COMPOUND, LOWER |
| (33) Name of priority country | :NA | PAREL (WEST), MUMBAI-400 013 Maharashtra India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)MR. BIPIN M. SHAH |
| (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 packaging method with built-in flow channel has a fully integrated dispensing mechanism for homogenous liquids and pastes. The functionality is obtained by cutting open the apex portion of the channel and squeezing the pouch body for decanting the contents. Due to the design of the flow channel, the pouch, even in open condition (without force applied) virtually seals the mouth. It also prevents gravity flow. As a result it prevents any contents or liquid from seepage. The flow channel is made in a geometric design direction, which prevents free flow of material. (The applied force and the flow channel facilitates decantation or flow of liquid). The flow channel is suitable for any liquid, paste and homogenous substances, edible or non-edible. The heat sealed area of the pouch is well defined. The container dimensions can be varied to increase the capacity of packaging. This cost effective measure is not only convenient, but also conserves natural resources and has economic advantages.

No. of Pages : 14 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :29/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : AUTOMATIC LIFTING OF SEAT USING SPRING ARRANGEMENT FOR BIKE/SCOOTER/TWO-WHEELER

| (51) International classification | | (71)Name of Applicant : |
|---|------|---|
| | 1/04 | 1)MR. SHUBHAM RAMESH MOHITE |
| (31) Priority Document No | :NA | Address of Applicant :'SHRI GURUKRUPA NIWAS', |
| (32) Priority Date | :NA | SURVEY NO. 23/1/2/2, ASHIRWAD COLONY, |
| (33) Name of priority country | :NA | SIDDHIVINAYAK NAGARI ROAD, NIGDI, PUNE, |
| (86) International Application No | :NA | MAHARASHTRA, INDIA-411044. Maharashtra India |
| Filing Date | :NA | 2)MR. KUNAL ANIL PATIL |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)MR. SHUBHAM RAMESH MOHITE |
| Filing Date | :NA | 2)MR. KUNAL ANIL PATIL |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This invention deals with providing convenience to users by lifting the seat with a spring arrangement for any bike/scooter/twowheeler. More importantly, this arrangement can be used as an accessory. In conventional systems, there are no such arrangements to lift a seat as it still has to be done manually by hand. This invention provides the lifting of a seat from its locked or horizontal position using a torsion spring. This spring uses stored mechanical energy to lift the seat from its locked or horizontal position to vertical or upright position. While opening a storage box or while accessing the space under the seat, the occupant has to lift the seat by engaging his hand every time. Also, any slight disturbance in upright or opening position of the seat causes it to fall downwards. While refueling, a falling seat can cause harm to the person holding fuel hose. Objective of this invention is to provide convenience to all kinds of users of a bike/scooter/two-wheeler. Another objective of this invention is to reduce human effort by automatic lifting of the seat without engaging the hand. This invention prevents the falling of the seat due to slight disturbances in its upright position as it uses one end of spring to continuously hold the seat in an upright position.

No. of Pages : 14 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :29/04/2016

(54) Title of the invention : FERTILIZER COMPOSITION

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :C05G 3/00 :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)RASHTRIYA CHEMICALS & FERTILIZERS LTD. (RCF) Address of Applicant :RESEARCH & DEVELOPMENT- BIORESEARCH, RASHTRIYA CHEMICALS AND FERTILIZERS LTD. A GOVERNMENT OF INDIA UNDERTAKING, MUMBAI-400074, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor : 1)DR. ARCHANA P. KALE 2)DR. SATYAVIKAS N. GAWADE |
|---|--|--|
| 11 | :NA :NA :NA | |

(57) Abstract :

In one of the aspect of the invention it is provided that an efficient fertilizer composition of nitrogen (N), phosphorus (P), potassium (K); the secondary macronutrients calcium (Ca), sulfur (S), magnesium (Mg); and the micronutrients or trace minerals boron (B), chlorine (CI), manganese (Mn), iron (Fe), zinc (Zn), copper (Cu), molybdenum (Mo), selenium (Se) along with the organic matter is provided; The micronutrients present in the fertilizer are in the form of nanoparticles , the results obtained due to change in the particle size of the micronutrients is encouraging in terms of growth in plant and also it helps in maintaining physical stability of the granules of the NPK; as it inhibit the formation of cake of the fertilizer; Further, it is observed on case of bringal the growth is increased up to 38.16% whereas the requirement of the fertilizer is reduced by 25 %; the similar results are observed in case of other vegetables, fruits etc.;

No. of Pages : 16 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :02/10/2015

(54) Title of the invention : METHOD OF ELECTRO MUSCLES STIMULATION BY PULSES GENERATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Number of Number o | 1/36 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)RAHUL CHOPRA Address of Applicant :18 ,STHANAKVASI JAIN SOCIETY ,NR NARANPURA, RAILWAY CROSSING ASHRAM ROAD, USMANPURA, AHMEDABAD, 380013 Gujarat India (72)Name of Inventor : 1)RAHUL CHOPRA |
|--|---|---|
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | |
| Filing Date | .NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention is relates to method of electro muscles stimulation by pulses generation and, more particularly, is related to an apparatus and method for massaging body parts by Electro Muscle Stimulation (EMS). In the present invention each stimulation is with a frequency range or 1.5kHz to 5kHz and the each pulse is get their high pick values up to 20% to 50%. Each pulse duration is in the range of 2500ms to 8000ms with rest period of 900ms to 1500ms. Each pulse is group of pulse in the range of five to fifteen pulses. The present invented device relates to foot massager but itâ \in TMs not limited there of, multiple external conductive material like patches or conductive rubber are provided with present invented foot massager which can useful to pain release from the different part of body by applied different wave cycles

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

(19) INDIA

(22) Date of filing of Application :06/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A ECO-FRIENDLY AND ECONOMICAL METHOD FOR BULK SYNTHESIS OF CUO NANOPARTICLE USING DISCARDED BY-PRODUCT EXTRACT OF LAC INDUSTRY

| | | (71)Name of Applicant : |
|---|-------|---|
| | | 1)DR. DINESH DAUJIRAO WANULE |
| (51) International classification | :C07H | Address of Applicant :ASSISTANT PROFESSOR, |
| | 3/06 | DEPARTMENT OF ZOOLOGY, BIRLA COLLEGE OF ARTS, |
| (31) Priority Document No | :NA | SCIENCE AND COMMERCE, BIRLA COLLEGE ROAD, |
| (32) Priority Date | :NA | KALYAN (W)-421304, DISTRICT THANE, MAHARASHTRA, |
| (33) Name of priority country | :NA | INDIA. Maharashtra India |
| (86) International Application No | :NA | 2)MR. RINKESH VISHNU KURKURE |
| Filing Date | :NA | 3)DR. KANTILAL HIRALAL NAGARE |
| (87) International Publication No | : NA | 4)MR. NITIN PRAKASH KOCHE |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)DR. DINESH DAUJIRAO WANULE |
| (62) Divisional to Application Number | :NA | 2)MR. RINKESH VISHNU KURKURE |
| Filing Date | :NA | 3)DR. KANTILAL HIRALAL NAGARE |
| | | 4)MR. NITIN PRAKASH KOCHE |
| | | 5)BK. ALKA BALU PATIL |

(57) Abstract :

In the present invention a novel method of Bulk Synthesis of CuO nanoparticle is invented using extract of lac (an animal Secretary Product). Method is one easy, less ingredient involving, cheap, ecofriendly, less energy consuming and help in production of CuO nanoparticle on large scale. This is the first successful method of preparation of CuO nano particles from the byproduct of lac industry which is generally discarded during the shellac and other products of lac preparation.

No. of Pages : 9 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :09/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : OIL-LESS ROASTED & PUFFED CEREAL PRODUCT AND PROCESS OF PRODUCING THE SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | 11/08 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Shiv Shankar Baddiya Address of Applicant :Lotan Poha Wala, Goverdhan Nagar, Station Road, Tumsar Maharashtra India (72)Name of Inventor : 1)Shiv Shankar Baddiya |
|--|--|--|
| (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 | |

Т

(57) Abstract :

An oil-less, roasted and puffed cereal product, the cereal being wheat, barley, maize oats or maida, or a combination thereof, having the ingredients as a flour of the cereal, a spiced solution, a binder, an optional flavoring additive, the cereal product produced without use of any oil in dry heat, in any shape and size, is of consistent texture and uniformly roasted with homogeneous taste.

No. of Pages : 14 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :28/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : END SUCTION MULTI-STAGE PUMP ASSEMBLY :B07B (71)Name of Applicant : (51) International classification 1)Shakti Pumps (I) Ltd 1/00(31) Priority Document No Address of Applicant : Shakti Pumps (I) Ltd. Plot No. 401, :NA (32) Priority Date Sector - 3, Pithampur - 454774, Dist. - Dhar (M.P) - India :NA (33) Name of priority country Madhya Pradesh India :NA (86) International Application No (72)Name of Inventor: :NA Filing Date :NA 1)Dinesh Patidar (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 the development of multi stage centrifugal pump set, having motor unit, pump unit & discharge chamber. The said discharge chamber placed between motor unit & pump unit, comprises of bearing carrier for motor shaft, mechanical seal carrier at pump side, hollow chamber-06 which receive firm connection of motor shaft & pump shaft, discharge port for water delivery & legs for mounting arrangement. Said discharge chamber fastened with motor body & design to receive bowel at pump side. Number of impellers, Spacing pipes & Bowl to be mounted as per required stage. Impeller of the suction stage covered by the suction chamber instead of bowl & said suction chamber clamped either to the motor body or discharge chamber by number of studs. Whole assembly of motor & pump mounted on base plate which is clamped on legs of the discharge chamber.

No. of Pages : 11 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :30/11/2015

(43) Publication Date : 13/05/2016

| (51) Intermetional allocation | :B07B | (71)Name of Applicant : |
|---|-------|---|
| (51) International classification | 1/22 | 1)Shakti Pumps (I) Ltd. |
| (31) Priority Document No | :NA | Address of Applicant :Shakti Pumps (I) Ltd. Plot No. 401, |
| (32) Priority Date | :NA | Sector - 3, Pithampur - 454774, Dist Dhar (M.P) - India |
| (33) Name of priority country | :NA | Madhya Pradesh India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Dinesh Patidar |
| (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 | |
| | | |

(54) Title of the invention : MONOBLOCK MULTI-STAGE PUMP ASSEMBLY

(57) Abstract :

The invention generally relates to the development of multi stage centrifugal pump set having motor & pump casing arrangement, in more particular it relates to the development of end suction pump having casted pump casing with combination of sheet metal bowl arrangement to form multi stage pump. The present invention has designed with aim to improve efficiency of the multistage end suction pump & provide flexibility to convert it from multistage to single stage. According to an embodiment of the invention suction & discharge flanges designed to compatible with DIN and ANSI standards of flanges. A monoblock multistage pump assembly comprises of motor unit, Pump casing of cast material, Number of Bowl formed of sheet metal retained between Suction End & pump casing by stud. Motor shaft & pump shaft welded together to form a rigid joint, wherein Number of impeller mounted on pump shaft & sleeve placed between two consecutive impellers to maintain the required gap between the impellers. Pump shaft designed with threaded end & tightening of the nut at threaded end to form pressure connection between impeller hub, sleeve & mechanical seal. Compressive force on $\hat{a} \in \infty$ Mechanical Seal $\hat{a} \in \bullet$ seals the joint & restricts the leakage of water. Whole assembly clamped on base plate by bolts & channel sections fasten to the base plate.

No. of Pages : 11 No. of Claims : 6

(22) Date of filing of Application :04/05/2016

(54) Title of the invention : MEASUREMENT OF POTENTIAL AND CHEMICAL KINETICS OF LANTADENE BY USING IMMOBILIZED ENZYME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | 39/395 :NA :NA :NA :NA :NA : NA | Address of Applicant :Department of Chemistry, B. N. Bandodkar College of Science Thane (W)-400 601, Maharashtra, India. Maharashtra India 2)GOSWAMI-GIRI, Anita Sachinkumar (72)Name of Inventor : 1)GOSWAMI-GIRI, Anita Sachinkumar |
|--|---|--|
| (87) International Publication No | | |
| (61) Patent of Addition to Application Number | :NA | 2)INGAWALE, Geetali Shekhar |
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

In some embodiments of the present disclosure, method for isolation of Lantadene from Lantana Camara, are provided. Lantadene isolated according to these embodiments is checked for purity by melting point, UV spectroscopy, IR spectroscopy and HPLC. In different embodiments of the present disclosure, methods of detection of phenol in Lantadene by using electrode having immobilized enzyme, methods of detection of change in potential of Lantadene by using electrode having immobilized enzyme are provided. To fabricate electrodes used in the embodiments of the present disclosure, enzymes Monophenol monooxygenase and o-diphenol oxidase are entrapped in Abelmoschus escucentus: agar. Substrates used for Monophenol monooxygenase and o-diphenol oxidase are having phenolic groups. In some embodiments, these substances can be tyrosine or 1-dopa.

No. of Pages : 35 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :21/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : NOVEL METHOD AND EXTRACTION OF GLOCHIDION ELLIPTICUM

| (51) International classification(31) Priority Document No(32) Priority Date | 36/898 :NA :NA | Address of Applicant :SIDDHIVINAYAK SHANTI APT. FLAT NO.4, NEAR KALANAGAR, MADHAV NAGAR |
|--|----------------------|--|
| (33) Name of priority country | :NA | ROAD, SANGLI 416416 Maharashtra India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)SOMKANT V. JAWARKAR |
| (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 the isolate bioactive constituents from various extracts by chromatographic techniques. And Investigation of active constituents by anticancer activity glochidion elipticum.

No. of Pages : 13 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :29/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITE CONDUCTIVE MATERIAL BODY ELECTRICITY STORAGE DEVICE ELECTRICALLY CONDUCTIVE DISPERSION LIQUID ELECTRICALLY CONDUCTIVE DEVICE ELECTRICALLY CONDUCTIVE COMPOSITE AND THERMALLY CONDUCTIVE COMPOSITE

| (51) International classification | :C01B31/02,C01B31/04 | (71)Name of Applicant : |
|---|----------------------|--|
| (31) Priority Document No | :PCT/JP2014/073838 | 1) GRAPHENE PLATFORM CORPORATION |
| (32) Priority Date | :09/09/2014 | Address of Applicant :1 15 1 Ebisu Minami Shibuya ku Tokyo |
| (33) Name of priority country | :Japan | 1500022 Japan |
| (86) International Application No | :PCT/JP2015/057593 | (72)Name of Inventor : |
| Filing Date | :13/03/2015 | 1)HASEGAWA Shoji |
| (87) International Publication No | :WO 2016/002261 | 2)KAMIYA Nagisa |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Provided is a composite conductive material excellent in conductivity. The composite conductive material comprises at least graphene-like exfoliated from a graphite-based carbon material and a conductive material dispersed in a base material. The graphite-based carbon material is characterized by having a rhombohedral graphite layer (3R) and a hexagonal graphite layer (2H), wherein a Rate (3R) of the rhombohedral graphite layer (3R) and the hexagonal graphite layer (2H), based on an X-ray diffraction method, which is defined by following Equation 1 is 31% or more: Rate (3R) = P3/(P3+P4) \tilde{A} —100 … (Equation 1) wherein P3 is a peak intensity of a (101) plane of the rhombohedral graphite layer (3R) based on the X-ray diffraction method, and P4 is a peak intensity of a (101) plane of the hexagonal graphite layer (2H) based on the X-ray diffraction method.

No. of Pages : 108 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :26/03/2016

(43) Publication Date : 13/05/2016

:H05K 1/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :201510289541.5 1)Shanghai Tianma Micro-Electronics Co., Ltd. (32) Priority Date Address of Applicant :889 Huiqing Rd., Pudong New District, :29/05/2015 (33) Name of priority country Shanghai 201201, China China :China (86) International Application No 2) Tianma Micro-Electronics Co., Ltd. :NA Filing Date :NA (72)Name of Inventor : : NA (87) International Publication No 1)LI, Xiaoye (61) Patent of Addition to Application Number :NA 2)LU, Feng Filing Date :NA 3)LAN, Shaofa (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : TOUCH SCREEN, TOUCH DISPLAY PANEL AND TOUCH DEVICE

(57) Abstract :

The present invention discloses a touch screen, a touch display panel and a touch device. The touch screen or the touch display panel includes: a plurality of touch sensing electrodes arranged in an array and insulated from each other; a plurality of touch sensing leads, each of which is electrically connected with one of the touch sensing electrodes. The touch screen or the touch display panel includes a rectangle active touch region, wherein a total number of the touch sensing electrodes within the rectangle active touch region is larger than or equal to 3.175p and is smaller than or equal to 126p2, wherein p represents a size of the rectangle active touch region, is in a unit of inch and is a positive integer. The touch screen, the touch display panel or the touch device can improve touch accuracy.

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

(19) INDIA

(22) Date of filing of Application :31/03/2016

(54) Title of the invention : A SYSTEM FOR TRANSPORTATION AND STORAGE OF TURBINE BLADES

| ·F03D | (71)Name of Applicant : |
|-------|---|
| 1/00 | 1)SUZLON ENERGY LIMITED |
| :NA | Address of Applicant :Block No. 93, Village: Vadasala - |
| :NA | Varnama, N.H. 8, Vadodara 391242, Gujarat India |
| :NA | (72)Name of Inventor : |
| :NA | 1)Atin Shah |
| :NA | 2)T Vamsi Kumar |
| : NA | 3)Sundar M |
| :NA | |
| :NA | |
| :NA | |
| :NA | |
| | 1/00 :NA :NA :NA :NA :NA :NA :NA |

(57) Abstract :

The present invention discloses a turbine blade storage and transportation system that includes a tip side modular frame and a root side modular frame that support tip and root portions of the blade during transportation. The root side modular frame includes a root frame weldmet and a plurality of replaceable stud holders. The tip side modular frame includes a plurality of sub assemblies such as a nose down support assembly, a girder support assembly and a clamping support assembly. The tip side and root side modular frames are capable of accommodating blades having different dimensions such as length, height, width PCDs. The system also facilitates stacking of a plurality of blades in vertical and horizontal manner. Figure of Abstract : Figure 1

No. of Pages : 29 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :27/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : LEAD PENCIL WITH AN EXTRA LEAD STORAGE SYSTEM AND THAT INDICATES THE LEAD IS FINISHING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :H01B13/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)MR. JAYESH SANJAY PATIL Address of Applicant :PLOT NO.12A, SR NO.37, KRUSHNAI HOUSING SOCIETY, SANJAN, AKURDI CHIKHALI ROAD, NEAR PADWAL HOSPITAL, SANE |
|--|--|---|
| Filing Date | :NA | CHOWK, CHIKHALI, PUNE-412114, MAHARASHTRA, |
| (87) International Publication No | : NA | INDIA. Maharashtra India |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)MR. JAYESH SANJAY PATIL |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This invention deals with providing convenience to students and writers or especially to all those who make use of the lead pencils more often (especially this invention will benefit more to the students) by providing an extra compartment in the upper unused part of the lead pencil along with the leads giving the indication that they are getting finished or is on the verge of finishing while in use. In conventional lead pencil, the user has to open or close the upper cap of the lead pencil to manually feed the lead inside the chamber for further use whenever the lead which in use gets finished and this may sometime prove very irritating while we are in the middle of something important. Particularly this invention provides a inbuilt mechanism in the upper compartment of the lead pencil to store the leads inside the lead pencil itself rather than carrying a separate lead box along with the pencil and the mechanism helps to drop down the lead from the storage in the downward compartment for further use whenever the current lead which we are currently using is on the verge of finishing and since the leads used in this lead pencil are color coded at the back thus when the colored part of the lead come out during the use we get notified quickly and thus according to requirement the user can use the given mechanism for further loading the lead in the downward compartment for further use of the lead pencil. More particularly this invention will provide use of upwards and downwards pulling of the lever arm mechanism provided in the upper compartment of the lead pencil .Many times we forget to carry the extra lead box along with the pencil or we eventually run out of the leads in the lead box and thus because of this when we are in hurry or in middle of something important work we unable to use the lead pencil due to lack of leads and thus we run here and there asking for the leads, hence this invention mainly focuses in solving this problem.

No. of Pages : 13 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :28/04/2016

(54) Title of the invention : POLYMER PARTICLES AND CALCIUM PHOSPHATE SEPARATION FROM SLUDGE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :C02F 11/0 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)GONGE PANKAJ BHIMRAO Address of Applicant :8-6-50, JUNA PATHARI NAKA, MANWATH PIN-431505, MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor : 1)GONGE PANKAJ BHIMRAO |
|--|--|--|
| (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 :

Calcium phosphate sludge generated from suspension polymerization contains polymer particles. Due to this disposal of such sludge is environmental hazard. Generally this sludge is incinerated. A new approach is defined which describes the process to recover polymer and calcium phosphate from sludge. Systematic processes are described for the polymer particles and calcium phosphate separation from sludge.

No. of Pages : 5 No. of Claims : 6

(22) Date of filing of Application :29/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR GENERATION OF AN ELECTRONIC PRESCRIPTION FOR HOME **DELIVERY OF MEDICINES**

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | 19/00 :NA :NA | (71)Name of Applicant : 1)MEDLIFE INTERNATIONAL PVT. LTD Address of Applicant :703, 6th Floor, Brindavan, Upper Govind Nagar, Malad (East), Mumbai. Maharashtra India (72)Name of Inventor : 1)Tushar Kumar 2)Saurabh Mittal |
|--|---------------------|---|
| (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 comprises of systems and methods to capture the hand written prescription by doctor in its originality with digital signature and convert this prescription written by a doctor to an e-prescription and home deliver medicines and maintain all patient records for future reference.

No. of Pages : 19 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :29/03/2016

(54) Title of the invention : DUAL SCREEN MOBILE DEVICE WITH SOLAR CHARGING.

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :H04M 1/00 :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)PINALKUMAR J. ENGINEER Address of Applicant :A-1/401, STUTI RESIDENCY, NEAR GREEN AVENUE, PAL ROAD, SURAT-395 009, GUJARAT, INDIA. Gujarat India 2)LOKESH SHARMA (72)Name of Inventor : 1)PINALKUMAR J. ENGINEER 2)LOKESH SHARMA |
|--|---|--|
| | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Power consumption of smart phone touch screen is very high compared to underlying hardware. If we use 2nd mobile device where LCD screen connected with smart phone only for calling purpose. In 2nd mobile device will consume very less power compared to the smart phone. It can be used as a secondary device when smart phone will get discharged (its battery will get fully discharged). After switching of the smart phone, calling service will be available in our device through 2nd mobile device for longer time. For charging of battery, solar cell is also connected at the backside of the mobile including the charging. When solar panel is able to give sufficient power to device, it will take complete power from it directly (only for 2nd mobile device). In the emergency, Smartphone can be charged by through solar panel.

No. of Pages : 14 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :29/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A NOVEL NANOEMULSION CONTAINING LORNOXICAM FOR TOPICAL ADMINISTRATION AND METHOD OF PREPARING THE SAME.

| | | (71)Name of Applicant : 1)PROF. MRS PHADTARE DIPTI GANESH |
|--|------------|--|
| (51) International classification | | Address of Applicant :KCT'S R. G. SAPKAL COLLEGE OF PHARMACY, SAPKAL KNOWLEDGE HUB, ANJANERI, |
| (31) Priority Document No(32) Priority Date | :NA :NA | VADHOLI, NASHIK-422 213, MAHARASHTRA, INDIA. Maharashtra India |
| (32) Filonty Date (33) Name of priority country | :NA | 2)MISS KULKARNI RAJASHRI RAMAKANT |
| (86) International Application No | :NA | 3)MR BARHATE NILESH SHARAD |
| Filing Date | :NA | 4)PROF DR SAUDAGAR RAVINDRANATH BHANUDAS |
| (87) International Publication No | : NA | 5)MR. PHADTARE GANESH NARAYAN |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)PROF. MRS PHADTARE DIPTI GANESH |
| (62) Divisional to Application Number | :NA | 2)MISS KULKARNI RAJASHRI RAMAKANT |
| Filing Date | :NA | 3)MR BARHATE NILESH SHARAD |
| | | 4)PROF DR SAUDAGAR RAVINDRANATH BHANUDAS |
| | | 5)MR. PHADTARE GANESH NARAYAN |

(57) Abstract :

The present application provides nanoemulsion for topical administration containing Lornoxicam and method of preparing the same. (1) in the form of an oil-in-water nanoemulsion, (2) stable under appropriate storage conditions, (3) containing therapeutically effective amount of Lornoxicam or its pharmaceutically acceptable salt, (4) containing Clove oil as a oil component with antiinflammatory activity (5) containing components acceptable by regulatory agencies (6) improved patient compliance The present invention relates to pharmaceutical compositions of Lornoxicam for treatment of inflammatory conditions exhibiting greater permeability, and enhanced therapeutic efficacy. The invention also relates to process of preparing such compositions. Fig. i

No. of Pages : 28 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :21/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : THE CONCEPT OF NEW CAM PIN'S PATHWAY SLOT AND THE BOLT CONFIGURATION FOR THE SAME FOR THE BOLT CARRIERS OF AN AUTOLOADING FIREARM.

| (51) International classification | :F41C 23/00 | (71)Name of Applicant : 1)MANJARE GIRISH PURUSHOTTAM |
|---|----------------|---|
| (31) Priority Document No | :NA | Address of Applicant :ROOM NO.1, BHAT CHAWL NO:4, |
| (32) Priority Date | :NA | BHAT COMPOUND, BHATWADI, GHATKOPAR (WEST), |
| (33) Name of priority country | :NA | MUMBAI, STATE: MAHARASHTRA, PIN CODE:400084, |
| (86) International Application No | :NA | COUNTRY: INDIA. Maharashtra India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)MANJARE GIRISH PURUSHOTTAM |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This concept relates with an open pathway slot in the bolt tunnel of the bolt carrier for the purpose of bolt rotation and easy installation and removal of bolt with help of permanently attached cam pin. Also the bolt has special configuration in which the back side of bolt stem has a circular mounting. There is a solid cylindrical metallic pin which is situated in the hole at the back side of the cam pin's pathway slot. This pin is known as bolt holding pin as it engages with the circular mounting of bolt stem and stops the forward movement of bolt at the time of recoil travel of bolt and bolt carrier. Due to this, the bolt maintains its position in the bolt tunnel of the bolt carrier. All developments should be manufactured with high quality tool steel which is used for gunsmithing. This concept is also developed in different kinds of bolt carriers which I have mention further

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

(19) INDIA

(22) Date of filing of Application :21/04/2016

(54) Title of the invention : GEAR PEDAL OPERATED SIDE STAND RETRIEVING MECHANISM

| (51) International classification:A63B 57/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No:NA | (71)Name of Applicant : 1)MR. SANJAY M. NARAYANKAR Address of Applicant :PIMPRI CHINCHWAD COLLEGE OF ENGINEERING, PRADHIKARAN NIGDI, PUNE-411044, MAHARASHTRA STATE. Maharashtra India 2)MR. ROHAN PRAMOD BHAVSAR 3)MR. NAYAN HARIDAS BAYASKAR 4)MR. ROHAN VIJAY MAHAJAN 5)MR. VIKRAM SAKHARAM CHAUDHARI (72)Name of Inventor : 1)MR. SANJAY M. NARAYANKAR 2)MR. ROHAN PRAMOD BHAVSAR 3)MR. NAYAN HARIDAS BAYASKAR 4)MR. SANJAY M. NARAYANKAR 2)MR. ROHAN PRAMOD BHAVSAR 3)MR. NAYAN HARIDAS BAYASKAR 4)MR. ROHAN VIJAY MAHAJAN 5)MR. VIKRAM SAKHARAM CHAUDHARI 5)MR. VIKRAM SAKHARAM CHAUDHARI 5)MR. NAYAN HARIDAS BAYASKAR 4)MR. ROHAN VIJAY MAHAJAN 5)MR. VIKRAM SAKHARAM CHAUDHARI |
|--|--|
|--|--|

(57) Abstract :

I his invention relates to Side stand retrieving mechanism tor motorcycles . An auto retractable type side stand in two wheeler comprises of two holding member depending upon the gear shifting pattern, characterizing TOE side and HEEL side, of the gear shifting pattern of the vehicle and where the input come from the rider who takes the vehicle by engaging the first or any other gear with the help of HEEL or TOE rest through which the force is applied on gear pedal, then due to the mechanism between gear pedal and pivoted holding member, the member get disengaged through the attachment between fixed holding member and pivoted holding member. Thus due to the torque produced by torsion spring which is attach to side stand, side stand get lifted up from its service position (parking position) to retrieved position

No. of Pages : 14 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :30/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : MODIFIED COIL SPRING WITH TUNED SPRING RATE AND STIFFNESS

| (51) International classification(31) Priority Document No | :B25J19/06 :NA | (71)Name of Applicant : 1)MR. PAWAR KIRAN MANIKRAO |
|---|-------------------|---|
| (32) Priority Date | :NA | Address of Applicant :C/O. RAMKRISHNA SILK MILLS, |
| (33) Name of priority country | :NA | KALPANA TALKIES PREMISES, BUNGALOW ROAD, |
| (86) International Application No | :NA | ICHALKARANJI-416115 Maharashtra India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)MR. PAWAR KIRAN MANIKRAO |
| (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 generally to improving physical, chemical, mechanical and environmental properties and strength characteristics of helical compression and tension metal or complex metal coil spring (hereinafter mentioned as "coil spring" for convenience) by mounting a unidirectional continuous or discontinuous reinforcement like Glass, Carbon, Kevlar, Basalt, Jute, Aramid, Polyester, Ceramic, Metal-matrix, ceramic-matrix, Natural, etc. fibre braid or fibre ribbons or pre-peg of reinforcing fibre or strands or tows or sleeve (hereinafter mentioned as "reinforcing fibres" for convenience) over a coil spring by applying thermoset resins such as Epoxy, Polyester, Vinyl ester, etc. (hereinafter mentioned as "resin" for convenience) and subsequently heated to temperature at which the resin cures or kept open to atmosphere until the resin is cured.

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

(19) INDIA

(22) Date of filing of Application :30/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : ADVANCED INDICATOR SYSTEM FOR CALLING AND EMERGENCY CONDITIONS FOR TWO WHEELER.

| (31) Priority Document No2(32) Priority Date2 | 21/231 NA NA | (71)Name of Applicant : 1)ROHIT DAJI KAMBLE Address of Applicant :SR.NO.8/4 SHIVTIRTH NAGAR, NEAR MAHENDRA MARKET, THERGAON, PUNE-411033, MAHADASUTDA DIDIA Mehamehtra India |
|---|--------------------|--|
| () · · · · · · · · · · · · · · · · · · | NA NA | MAHARASHTRA, INDIA. Maharashtra India 2)NARSINHA RAMESHRAO THAKUR |
| Filing Date : | NA NA | (72)Name of Inventor : 1)ROHIT DAJI KAMBLE |
| (61) Patent of Addition to Application Number : | NA NA | 2)NARSINHA RAMESHRAO THAKUR |
| (62) Divisional to Application Number | NA NA | |

(57) Abstract :

The invention provides emergency indicator for various condition of bike riders. The invention provides the emergency indicator to indicate other vehicles that bike rider is in emergency condition or is on call that reduce the accidental cases through the manually operated button.it uses four indicators and one LED display, LED display will indicate others that the bike rider is on call or in emergency through the symbolic representation which is placed on LED display. When bike rider is on call or in emergency he manually operated symbolic button which is placed on handle which gives the correct response to other vehicles.

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

(22) Date of filing of Application :30/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : THEORITICAL CONCEPT OF "BUSINESS PROCESS FRAMEWORK IN AN ENTERPRISE ARCHITECTURE AS PER THE ARCHITECTURAL LEVEL"

| (51) Intermetional allocation | :G06Q | (71)Name of Applicant : |
|---|-------|---|
| (51) International classification | 10/06 | 1)GHARPURE, PRACHI |
| (31) Priority Document No | :NA | Address of Applicant :SARDAR PATEL INSTITUTE OF |
| (32) Priority Date | :NA | TECHNOLOGY, MUNSHI NAGAR, BHAVAN'S CAMPUS, |
| (33) Name of priority country | :NA | ANDHERI (W), MUMBAI-400058, MAHARASHTRA, INDIA. |
| (86) International Application No | :NA | Maharashtra India |
| Filing Date | :NA | 2)KALBANDE, DHANANJAY |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)GHARPURE, PRACHI |
| Filing Date | :NA | 2)KALBANDE, DHANANJAY |
| (62) Divisional to Application Number | :NA | 3)KARANDE, AARTI |
| Filing Date | :NA | |

(57) Abstract :

Enterprise Architecture is designed to ensure alignment between the business, Information Technology, operating model, and guiding principles. Enterprise Architecture categorized as business architecture, information architecture, data architecture, application architecture, and technology infrastructure architecture. An enterprise comprises of different set of activities based on business processes. These business processes can be categorized on the basis of their functionalities and performance. They can be classified as management, core, enhancing, and enabling. These method shows business processes and affecting parameter at respective level of architecture. This framework helps designer to find granular parameter for the designing of the process at specific architectural level.

No. of Pages : 20 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :06/01/2016

(54) Title of the invention : ENERGY EFFICIENT HEAVY DUTY CLAY TURNING MACHINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :H02K 1/24 :NA :NA :NA :NA :NA : NA | (71)Name of Applicant : 1)MAHATMA GANDHI INSTITUTE FOR RURAL INDUSTRIALISATION, Address of Applicant :MAHATMA GANDHI INSTITUTE FOR RURAL INDUSTRIALISATION, MAGANWADI, WARDHA-442001 (MAHARASHTRA). Maharashtra India (72)Name of Inventor : 1)MR SHASHI PRAKASH MISHRA |
|---|--|--|
| (61) Patent of Addition to Application Number | :NA :NA | 2)MR AMAN ALI |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In most of Indian villages there is lack of continuous power supply. They receive only 6 to 8 hours of electric Supply and that to at odd times. It makes not only the village industry but village life much backward from present civilization. Assured production, lightening of house as well as village industry and effective communication for sale and marketing of products will revive this industry very soon. For village pottery production introduction of portable, energy efficient, soundless potter's machine Fig-1 run by AC / battery / other alternative power sources, through multifunction composite power supply system Fig-1 (1.1) & Fig-7 (7.1) fitted in heavy duty angle MS frame Fig-2 (2.3), run by cost effective appropriate motor for generation of suitable torque Fig-2 (2.5), vibration free energy efficient speed reduction system, which is made by eco-drive belt & light weighted cast iron pulleys Fig-2 (2.7), Fig-5 (5.1) light weighted chain-sprocket Fig-2 (2.6), Fig-4 light weighted compact 25 mm diameter shafts Fig-2 (2.4) Fig-3 & 3a and specially designed light weighted cast aluminum face plate Fig-2 (2.1) with mud protection plate Fig-2 (2.2), and jerk free change of speed through electronic speed regulation system Fig-6 can makes assured and timely production. It also makes illuminate the house during evening hours and it supports other communication gadgets like mobile, radio, low voltage LCD television, laptop, etc for sale and marketing of products.

No. of Pages : 16 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :04/04/2016

(54) Title of the invention : A SYSTEM AND METHOD FOR DETERMINING MEDICAL CONDITION OF AN INDIVIDUAL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :A61B 6/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)DR. ANURADHA D. THAKARE Address of Applicant :303, CAMELLIA BUILDING, GREENS SOCIETY, IN FRONT OF PADAMJEE PAPER MILL, THERGAON, PUNE-411033, MAHARASHTRA, INDIA Maharashtra India |
|--|---|---|
| (80) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :NA :NA :NA :NA | (72)Name of Inventor : 1)DR. ANURADHA D. THAKARE 2)DHEERAJ R. THAKARE |
| (61) Fatch of Addition to Application Number(62) Divisional to Application NumberFiling Date | :NA :NA :NA :NA | 3)SANTAWANA GUDADHE |

(57) Abstract :

Disclosed is a method and system for determining medical condition of an individual. The system may scan images of at least one of palms and nails of an individual. Successively, the system may determine feature vectors using the images. The system may correlate the feature vectors with pre-identified feature vectors, stored in a knowledge database. Thus, the system may determine a medical condition based on the correlation.

No. of Pages : 15 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :05/04/2016

(54) Title of the invention : 'ENGINE RPM CONTROLLED HANDBRAKE SYSTEM' :F02D (71)Name of Applicant : (51) International classification 1)MS. DIVYATA SUNIL KHACHANE 17/02 (31) Priority Document No Address of Applicant :'ASTITVA', PLOT NO.-204, SECTOR :NA (32) Priority Date NO.-21. YAMUNANAGAR, NIGDI, PUNE-411044. :NA (33) Name of priority country MAHARASHTRA, INDIA. Maharashtra India :NA (86) International Application No :NA 2)MR. TANMAY SUNIL KHACHANE Filing Date :NA (72)Name of Inventor : (87) International Publication No : NA 1)MS. DIVYATA SUNIL KHACHANE (61) Patent of Addition to Application Number :NA 2)MR. TANMAY SUNIL KHACHANE Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Manual handbrake system in automobiles (like cars, LCV, SUV"s, Tempo Travelers, as well as heavy vehicles like trucks and buses) comprise of handbrake lever, brake cable and drum brake which is mounted on the rear wheels, and this system is totally mechanically operated; the said existing system is entirely manual, requires more human effort, and has chances of failure when applied during emergency to stop the automobile; the said handbrake lever need to be pulled every time to stop the vehicle and this becomes very much tedious and time consuming in case of climbing the hills and at traffic signals; an integrated system which works electromechanically has been developed and it depends on the engine Rotations Per Minute (RPM); the said new system comprises of Electronic Speed Sensor, Handbrake Control Unit, Hydraulic Braking Unit; said Electronic speed sensor senses the engine speed and gives signal to the Handbrake Control Unit; said Handbrake Control Unit performs the entire control signals, hydraulic control unit applies brake and the automobile is stopped instantly; the said system comes into operation when the engine RPM reaches its low idle RPM; hence every time the RPM reaches below the limit, the hand brake gets applied automatically and the automobile comes to the a halt without any human intervention; the said system comes into operation mainly while climbing the hill as it prevents the sliding of vehicle down the hill and also at the traffic signals when the engine RPM is low; the said system is economical and increases just a marginal cost of the existing vehicle.

No. of Pages : 16 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :02/05/2016

(54) Title of the invention : PAPER AND MONEY FREE TICKETING SYSTEM FOR PUBLIC TRANSPORT

| | | (71)Name of Applicant : |
|---|-----------|--|
| | | 1)MR. SHUBHAM LAHIRI |
| (51) International classification | :H04J1/00 | Address of Applicant :QTR. NO. 3/3, TYPE-4, ORDNANCE |
| (31) Priority Document No | :NA | FACTORY, DEHUROAD, PUNE-412101, MAHARASHTRA, |
| (32) Priority Date | :NA | INDIA. Maharashtra India |
| (33) Name of priority country | :NA | 2)MR. NIKHIL JYOTI |
| (86) International Application No | :NA | 3)MR. SOHIL PYATI |
| Filing Date | :NA | 4)MS. ANAGHA CHAUDHARI |
| (87) International Publication No | : NA | 5)MRS. DEEPA ABIN |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)MR. SHUBHAM LAHIRI |
| (62) Divisional to Application Number | :NA | 2)MR. NIKHIL JYOTI |
| Filing Date | :NA | 3)MR. SOHIL PYATI |
| - | | 4)MS. ANAGHA CHAUDHARI |
| | | 5)MRS. DEEPA ABIN |

(57) Abstract :

According to this invention, there is provision of a system which facilitates the whole process paper free. The idea is to use the finger print of a person for to pay for his ongoing journey enabling the citizen to tiavel without cash with him. This process will work like a credit card for public transport where the credit card will be just the person"s finger print. A new process is introduced which will digitalize the public transport for example Bus services and also make the whole process paper free. The idea is to use the finger print of a person for to pay for his ongoing journey enabling the citizen to travel without cash with him. This process will work like a credit card for public transport where the credit card will be just the person"s finger print. Hence, this system provides a secure eco-friendly and credit based public transport system.

No. of Pages : 9 No. of Claims : 2

(22) Date of filing of Application :02/05/2016

(43) Publication Date : 13/05/2016

| (54) Title of the invention : DISTRIBUTED QUEUING SYSTEM | | | |
|--|------------------|--|--|
| (51) International classification (31) Priority Document No | :H04W4/00 :NA | (71)Name of Applicant : 1)MS. BHAKTI RATNAPARKHI | |
| (32) Priority Date(33) Name of priority country | :NA :NA | Address of Applicant :"HARI OM", PLOT NO.4A, SECTOR NO.26, NIGADI PRADHIKARAN, PUNE-411044, | |
| (86) International Application No Filing Date | :NA :NA | MAHARASHTRA, INDIA. Maharashtra India 2)MS. ANAGHA CHAUDHARI | |
| (87) International Publication No | : NA | (72)Name of Inventor : | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 1)MS. BHAKTI RATNAPARKHI 2)MS. ANAGHA CHAUDHARI | |
| (62) Divisional to Application Number Filing Date | :NA :NA | | |

(57) Abstract :

A system "Distributed Queuing System" is for buying, retrieving or purchasing goods in less time. The system uses a multi-purpose device, an individual customer to have Customer Card of mall given at entrance. The said multi-purpose device consists of scanner, keypad & card reader writer. The Customer Card holds data related to purchased items by respective customer. The system contains multiple sections same as mall's sections, the said section have number of multi-purpose devices dedicated to respective section. Multi-purpose devices will refer to respective section view of database from main server, said system calculates amount which is payable for customer in distributed form. Thus, our system makes the purchasing task enjoyable, comfortable, easy and less time consuming.

No. of Pages : 10 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :02/05/2016

(54) Title of the invention : A QUICK REMOTE FILE ACCESS GADGET

| (51) International classification(31) Priority Document No | 3/038 :NA | (71)Name of Applicant : 1)MRS. DEEPA ABIN Address of Applicant :H-1103, AISHWARYAM, NEAR |
|---|--------------|--|
| (32) Priority Date | :NA | ADOR WELDING COMPANY, KHANDOBA MANDIR |
| (33) Name of priority country | :NA | CHOWK, AKURDI, PUNE, MAHARASHTRA, INDIA. |
| (86) International Application No | :NA | Maharashtra India |
| Filing Date | :NA | 2)MS. ANAGHA CHAUDHARI |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)MRS. DEEPA ABIN |
| Filing Date | :NA | 2)MS. ANAGHA CHAUDHARI |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This invention relates to the interdisciplinary field of electronics, computer and networking. This invention is associated with fast retrieval of file form the huge collection of files in government organizations or educational institutes. The time consumption in accessing a file is generally high and this is the focus area of our innovation. An electronic gadget with embedded mobile app system helps in remote file access. The alarm system inclusive of the audio message stating the location area of the file and the LEDs flickering light will help in easy tracing of the file. Our system aims to reduce the human efforts in searching the file amongst a heap ef files available and attempts to breakthrough the conventional system of remote file access.

No. of Pages : 10 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :21/12/2015

(54) Title of the invention : MAINTENANCEFREE PNEUMATIC MULTIPORT VALVE FOR USE IN POWER STATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :F16K 11/20 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)RAJNIKANT SHRIRAM NAIDU Address of Applicant :200, VYANKATESHNAGAR, NANDANVAN NAGPUR, PIN-440009, MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor : 1)RAJNIKANT SHRIRAM NAIDU |
|--|---|--|
| (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 Maintenancefree pneumatic multiport valve for use in power station, the pneumatic multiport valve comprising a taper spool having one or more bores and a valve body consisting of a taper sleeve to accommodate the taper spool in an airtight manner, the taper sleeve having one or more bores. The valve body further comprises at least five ports to facilitate flow of high pressure and exhausted air, the five ports namely first port, second port, third port, fourth port and fifth port, wherein the first port being configured for air supply, the second and third ports being configured as output ports and fourth & fifth ports being configured as exhaust ports. An operating component is provided which is operatively connected to the taper spool to enable rotory movement of the taper spool inside the taper sleeve. Airtight fitment of taper spool inside the taper sleeve enable the bores of taper spool perfectly match with the bores of taper sleeve. The pneumatic multiport valve is operated in normal mode and operating mode. In the normal mode operating air flows from first port to second port and return air flows from power cylinder through third port to fourth port. In the operating mode operating air flows from first port to third port and return air flows from power cylinder through second port to fifth port.

No. of Pages : 14 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :03/05/2016

(43) Publication Date : 13/05/2016

| (51) International classification | :H03F 3/62 | (71)Name of Applicant : |
|---|-----------------|--|
| (31) Priority Document No | :201510645862.4 | 1)SHANGHAI TIANMA MICRO-ELECTRONICS CO., |
| (32) Priority Date | :30/09/2015 | LTD. |
| (33) Name of priority country | :China | Address of Applicant :889, Huiqing Rd., Pudong New District, |
| (86) International Application No | :NA | Shanghai 201201, P.R. China China |
| Filing Date | :NA | 2)TIANMA MICRO-ELECTRONICS CO., LTD. |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)DU, Lingxiao |
| Filing Date | :NA | 2)YAO, Qijun |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : TOUCH PANEL AND TOUCH ELECTRONIC DEVICE

(57) Abstract :

A touch panel includes multiple common electrode blocks arranged in an array and multiple touch wires. One of the touch wires is electrically connected to one of the common electrode blocks correspondingly and is insulated from the other of the common electrode blocks; and the other of the common electrode blocks insulated from the one of the touch wire are in the same layer with the one of the touch wire. A gap is disposed in the common electrode block located at a path of the touch wire and insulated from the touch wire, to get the touch wire through. The common electrode block includes a first common electrode sub-block and a second common electrode sub-block, both of which are adjacent to the gap of the common electrode block, and the first common electrode sub-block is connected to the second common electrode sub-block through at least one bridge electrode.

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

(19) INDIA

(22) Date of filing of Application :04/05/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : GATE SCAN CIRCUIT, DRIVING METHOD THEREOF AND GATE SCAN CASCADE CIRCUIT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :201510608268.8 (CN) :22/09/2015 :China | (71)Name of Applicant : 1)Shanghai Tianma AM-OLED Co., Ltd. Address of Applicant :Room 509, Building 1, No. 6111 Longdong Rd., Pudong Dist., Shanghai, 201201 China China 2)Tianma Micro-Electronics Co., Ltd. (72)Name of Inventor : |
|--|--|---|
| (80) International Application 100 Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA : NA :NA :NA :NA | 1)Kuo SUN 2)Wenhui ZOU |
| Filing Date | :NA | |

(57) Abstract :

A gate scan circuit is provided, including: a first control unit controlling a voltage at a first node based on first to third clock signals and a first input signal; a second control unit controlling a voltage at a second node based on the third clock signal and a first power source signal; a first output unit outputting the first clock signal or a second power source signal based on the voltage provided to the first or second node; a second node; and a first capacitor including a first terminal receiving the second power source signal and a second node; and a first capacitor including a first terminal receiving the second power source signal and a second terminal connected with the second node. The gate scan circuit provided by the present disclosure may output two scan signals within one circuit, thereby narrowing the frame. Fig. 2

No. of Pages : 33 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :23/03/2016

(54) Title of the invention : RECYCLABLE CATALYSTS FOR CHLORINATION OF ORGANIC ACIDS AND ALCOHOLS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07C 31/04 :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Galaxy Surfactants Ltd. Address of Applicant :C-49/2, TTC Industrial Area, Pawne, Navi Mumbai-400 703 Maharashtra, India Maharashtra India (72)Name of Inventor : 1)Koshti, Nirmal 2)Sawant, Bhagyesh Jagannath 3)Wankhade, Arpit 4)Mhatre, Pritesh |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention relates to recyclable polymeric catalyst of Formula I, for chlorination of organic acids and alcohols using chlorinating agents such as carbonyl chloride, oxalyl chloride or thionyl chloride, wherein, $\hat{a} \in \tilde{m} \hat{a} \in \mathbb{T}^{M}$ on the pendent groups on polystyrene backbone can have values from 1 to 5 and R is the alkyl group ranging from C1 to C5.

No. of Pages : 37 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :23/03/2016

(54) Title of the invention : IRON AND MULTIVITAMIN CHEWABLE CHOCOLATE

| (51) International classification (31) Priority Document No (32) Priority Date (22) Name of priority accurates | 33/26 :NA :NA | (71)Name of Applicant : 1)NAB Healthcare Address of Applicant :44, Shyam Sunder Row House, B/H Manav Mandir Drive in Road Memnagar Ahmedabad -380052, Chienet India |
|---|---------------------|---|
| (33) Name of priority country(86) International Application No | :NA :NA | Gujarat, India Gujarat India (72) Name of Inventor : |
| Filing Date | :NA | 1)DR. AMIT N. BHATT |
| (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 iron and multivitamin chewable chocolate compositions for oral consumption comprising one or more active agents. More particularly, the invention relates to the chewable chocolate formulation comprising a dietary supplements or pharmaceutical compounds, and a method for manufacturing the same, for delivering active agents.

No. of Pages : 21 No. of Claims : 11

| (12) PATENT APPLICATION PUBLICATION (19) INDIA | | (21) Application No.201641013794 A |
|---|--|--|
| (22) Date of filing of Application :20/04/2016 | | (43) Publication Date : 13/05/2016 |
| (54) Title of the invention : DUAL MODE CHAPPA | TI MAKER | |
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A21C11/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)V.S.DEVARAJAN Address of Applicant :SINDU NAGAR, NARASIMMAPURAM, KUNIYAMUTHUR, COIMBATORE 641008, TAMILNADU STATE Tamil Nadu India (72)Name of Inventor : 1)V.S.DEVARAJAN |

(57) Abstract :

ABSTRACT Dual Mode Chappati Maker A novel device to produce chappati is disclosed. The device consists of two sets of presses. One press is used to flatten the dough. The other press contains a heating element inside the base plate which heats it. The flattened dough is placed on the based plate of the second press and pressed using the top plate. The top plate consists of a net like structure which ensures even and uniform heating of all the parts of the dough, thereby producing a uniformly cooked and tasty chappati.

No. of Pages : 17 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :09/03/2016

(54) Title of the invention : MODULAR ELECTRONIC CIRCUITS MAKING KIT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | 33/00 :NA :NA :NA | (71)Name of Applicant : 1)DIRISALA, SriCharan Address of Applicant :6-11-24/2, Srungarapuram, Bapatla, Guntur (DT) 522101, Andhra Pradesh, India. Andhra Pradesh India |
|---|----------------------------|---|
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date (87) International Publication No | :NA : NA | 1)BHOWMIK, Sabyasachi 2)DIRISALA, SriCharan |
| (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 generally relates to electronics and particularly to electronic circuits making kits that can be used by users for making different circuits. The kit disclosed comprises various circuits configured in form of different blocks that have magnets. The blocks are operatively connected to form new circuits when appropriate alignment exists among the magnets in them. The blocks are so configured with magnets in them that they can be connected only in right fashion otherwise magnets in them repel each other making a wrong connection not possible.

No. of Pages : 21 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/03/2016

(54) Title of the invention : SAFETY SUPPORT FIXTURE FOR TWO WHEELED VEHICLES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :B62H 1/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)HAMEED ABDUL ZUBAR Address of Applicant :5/28, SECOND CROSS, SHANTHI NAGAR, (NEAR JAIRAM COLLEGE), CHINNATHIRUPATHI, SALEM(DT) - 636 008, Tamil Nadu India |
|--|---|---|
| Filing Date (87) International Publication No | :NA :NA : NA | (72)Name of Inventor : 1)HAMEED ABDUL ZUBAR |
| (61) Patent of Addition to Application Number Filing Date(62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 2)VARATHARAJ, DEVARAJ 3)VENKATACHALAM, LOGESH 4)THANGARAJ, MOHANRAJ 5)VENKATESAN, ARUNKUMAR |

(57) Abstract :

The present invention relates to side stand of two wheeled vehicles. Particularly, the present invention relates to an auxiliary attachment useful for automatically retracting the side stand of a two wheeler to ensure greater safety of the two wheeler riders. When the clutch lever provided in the handle bar of motorcycle is operated, the fixture wire pulls the fulcrum lever provided in the safety arrangement, and as a result, the spring retracts the side stand to deflect automatically to the retracted from parking position to rest position. FIG 2

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :22/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A COMPOSITION FOR REMOVING ATHEROSCLEROTIC CARDIOVASCULAR DISEASE(HEART BLOCK)

| (31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No | 31/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)DR. FAIZAL.N Address of Applicant :NAMBIATTIL HOUSE, MELADY (PO), PAYYOLI, CALICUT, PIN - 673 522, Kerala India 2)DR.SHERIN SHAZIA (72)Name of Inventor : |
|---|-----------------------------------|---|
| 8 | :NA : NA | 1)DR. FAIZAL.N 2)DR.SHERIN SHAZIAI |
| Filing Date : (62) Divisional to Application Number : | :NA :NA :NA :NA | |

(57) Abstract :

The invention relates to the preparation of composition including ACV, B1 B2, B6, B12, folic acid and niacin. There are different concentrations of ACV available, but most effective concentration for this purpose is 5% . when you add niacin 60mg ;vitamin Bl 4mg, B2 4mg, B6 2mg, B12 4.0 meg, folic acid 6000mcg in 100ml of ACV. and mix well, keep it for one hour and then the solution is ready for use .We know that atherosclerotic CVD is leading cause of death in world wide .Its treatment, morbidity and mortality is one of the main financial burden for all countries. The new above mentioned ACV based composition for atherosclerotic CVD is very efficient and cost effective with minimal avoidable side effects. Even though ACV is used safely since antiquity as medicine for many years while adding above mentioned molecules active against atherogenesis .

No. of Pages : 7 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :22/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : NON-COMBUSTIBLE AND FIRE RESISTANT MULTI LAYERED COMPOSITE BRICK

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :C04B 28/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)MR.DILEEP KUMAR.P.K Address of Applicant :KALLINGAL HOUSE, B.T.S BYE LANE - 14, EDAPPALLY, COCHIN - 682 024, Kerala India (72)Name of Inventor : 1)MR.DILEEP KUMAR.P.K |
|--|--|---|
| 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 is towards a composite brick providing eco-friendly solid multiple layer sandwiched insulated panels made of solid masonary mortar mix with rock sand, cement, thermocol beads, natural coir fiber and cement admixtures. The composite brick comprises of at least three layers of multiple compositions bonded together for providing the requisite strength. The non-combustible and fife resistant multi layered composite brick with environment friendly composition comprises an outer top front primary layer of thickness t1 of a first composite material d comprising reclaimed plaster of pahs (PoP) in a proportion of about 25% to about 50% by volume, cement constituent in a proportion of about 25% to about 50% by volume, coconut fiber material in a proportion of about 2% to about 5% by volume and a secondary intermediate layer of thickness t2 of a second composite material in a proportion of about 1% to about 20% by volume and finally an outer bottom tertiary layer of thickness t1 and of a first composite material d sandwiching the said secondary intermediate layer further comprising the reclaimed plaster of paris (PoP) in a proportion of about 25% to about 5% by volume, and an aggregate material in a proportion of about 1% to about 20% by volume and finally an outer bottom tertiary layer of thickness t1 and of a first composite material d sandwiching the said secondary intermediate layer further comprising the reclaimed plaster of paris (PoP) in a proportion of about 25% to about 50% by volume, cement . constituent in a proportion of about 25% to about 50% by volume, coconut fiber material in a proportion of about 25% to about 50% by volume, cement . constituent in a proportion of about 25% to about 50% by volume, coconut fiber material in a proportion of about 25% to about 50% by volume, cement . constituent in a proportion of about 25% to about 50% by volume, coconut fiber material in a proportion of about 25% to about 25% to about 50% by volume, coconut fiber material in a proportion of about 25% t

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

(19) INDIA

(22) Date of filing of Application :29/01/2016

(43) Publication Date : 13/05/2016

| (51) International classification | :A44C5/00,G04B1/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :1314525.5 | 1)PARTHEBAN Vallipuram Balendran |
| (32) Priority Date | :14/08/2013 | Address of Applicant :53 Manorwood Road Purley Surrey |
| (33) Name of priority country | :U.K. | CR8 4LJ U.K. |
| (86) International Application No | :PCT/GB2014/000314 | 2)PARTHEBAN Siveda |
| Filing Date | :14/08/2014 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2015/022479 | 1)PARTHEBAN Vallipuram Balendran |
| (61) Patent of Addition to Application | :NA | 2)PARTHEBAN Siveda |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : ERGONOMIC WRISTBAND WITH DEVICE SUPPORT MEANS

(57) Abstract :

A wristband assembly for supporting a device on a wrist the wristband assembly comprising: a wristband; fastening means to releasably secure the device to the wristband; and at least one distal forearm engaging portion to mount the fastening means over an inner wrist bone of the wrist whereby the fastening means is configured to mount the device to the wristband and onto the side of the wrist.

No. of Pages : 22 No. of Claims : 16

(22) Date of filing of Application :24/06/2013

(21) Application No.2734/CHE/2013 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : ECONOMICAL MULTIPOWER SAVER

| (51) International classification | :B25H1/10,B27C9/04 | (71)Name of Applicant : |
|---|--------------------|---|
| (31) Priority Document No | :NA | 1)CHARANTIMATHA CHANNABASAYYA |
| (32) Priority Date | :NA | Address of Applicant :S/O H.G. CHARANTIMATHA |
| (33) Name of priority country | :NA | H.B.C.S. COLONY, NEAR KPTCL HUVINAHADAGALI TQ |
| (86) International Application No | :NA | HUVINAHADAGALI DIST BELLARY 583 219 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)CHARANTIMATHA CHANNABASAYYA |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(57) Abstract :

NA

No. of Pages : 18 No. of Claims : 5

(22) Date of filing of Application :14/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD OF MAKING ALLOYS OF PRECISE COMPOSITION USING INTER-CLUSTER **REACTIONS IN SOLUTION**

| (51) International classificationID621 30/001(31) Priority Document No:NA:NA(32) Priority Date:NAINI (33) Name of priority country:NA(33) Name of priority country:NAINI (72)(86) International Application No:NA(72) (74)(87) International Publication No:NA1(61) Patent of Addition to Application Number:NA2Filing Date:NA3(62) Divisional to Application Number:NA3Filing Date:NA3(62) Divisional to Application Number:NA5Filing Date:NA5 | ⁽¹⁾Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS Address of Applicant :THE DEAN, INDUSTRIAL ONSULTANCY & SPONSORED RESEARCH [ICSR] VDIAN INSTITUTE OF TECHNOLOGY MADRAS IIT P.O., HENNAI - 600 036, Tamil Nadu India ⁽²⁾Name of Inventor : 1)THALAPPIL PRADEEP 2)K.R.KRISHNADAS 3)ATANU GHOSH 4)ANANYA BAKSI 5)INDRANTH CHAKRABORTY 6)GANAPATI NATARAJAN |
|---|--|
|---|--|

(57) Abstract :

The present invention relates to inter-cluster chemistry for creating new alloys by solution state reactions of nanoclusters. The invention performs inter-cluster reactions between atomically precise, monolayer protected noble metal clusters using Au2s(SR)i8 and Ag44(SR)30 (RS- = alkyl/aryl thiolate) as model compounds. Mass spectrometric measurements both by electrospray ionization and matrix assisted laser desorption ionization show that the reaction occurs through the exchange of metal atoms and protecting ligands of the clusters. Inter-cluster alloving is a facile method for heteroatom doping into AU25 (SR)i8, as observed by doping up to twenty Ag atoms. Metal core-thiolate interfaces in these clusters play a crucial role in inducing these reactions and also affect rates of these reactions. Such reactions provide a unique way of tuning properties of nano scale particles of precise composition.

No. of Pages : 67 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :29/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A NOVEL CHEMICAL CONJUGATION METHOD TO INCREASE BIOAVAILABILITY OF VITAMIN A

| (51) International classification | | (71)Name of Applicant : |
|---|------------|---|
| (31) Priority Document No | :NA :NA | 1)RENTALA, Satyanarayana Address of Amiliant (Department of Distachuslasy, Institute |
| (32) Priority Date | | Address of Applicant :Department of Biotechnology, Institute |
| (33) Name of priority country | :NA | of Technology, GITAM University, Visakhapatnam 530 045, |
| (86) International Application No | :NA | Andhra Pradesh, India. Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)RENTALA, Satyanarayana |
| (61) Patent of Addition to Application Number | :NA | 2)KOMARRAJU, Aruna Lakshmi |
| Filing Date | :NA | 3)MOKKAPATI, Animisha |
| (62) Divisional to Application Number | :NA | 4)NAGUMANTRI, Radha Krishna |
| Filing Date | :NA | 5)JOGA, Venkata Neeha |

(57) Abstract :

This invention discloses a conjugate of vitamin A and piperine or its derivatives and process for preparation thereof. The invention further discloses pharmaceutical composition comprising conjugate of vitamin A and piperine or its derivatives optionally in association with at least one pharmaceutical excipient, to increase the bioavailability of vitamin A.

No. of Pages : 25 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :29/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : 3-D SCAFFOLD MATRIX FOR MEAT PRODUCTION

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :NA :NA | (71)Name of Applicant : 1)RENTALA, Satyanarayana Address of Applicant :Department of Biotechnology, Institute of Technology, GITAM University, Visakhapatnam 530 045, Andhra Pradesh, India. Andhra Pradesh India (72)Name of Inventor : 1)RENTALA, Satyanarayana 2)KOMARRAJU, Aruna Lakshmi 3)CHINTALA, Ramakrishna |
|--|-------------------|---|
| (62) Divisional to Application Number | :NA :NA :NA | 3)CHINTALA, Ramakrishna |

(57) Abstract :

The present invention provides at three dimensional (3D) scaffold comprising matrix consisting of branching network of polyethylene terephthalate (PET) fibres, for in-vitro culture of chicken satellite cells and its differentiation to provide structured meat. Further, a process for the in-vitro culture of meat employing the 3D scaffold culture matrix of polyethylene terephthalate (PET) fibres is disclosed herein.

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

(19) INDIA

(22) Date of filing of Application :04/03/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM FOR MEASURING OPTICAL PARAMETERS OF MATERIALS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :G01N 21/00 :NA :NA :NA :NA : NA : NA :NA :NA | (71)Name of Applicant : 1)KUMAR, Dasari Hanumesh Address of Applicant :D.No:4-244, Near A.P.S.E.B Substation, Bellary Road, Anantapur-515004, Andhra Pradesh, India. Andhra Pradesh India 2)NAGARAJA, Chiyedu (72)Name of Inventor : 1)KUMAR, Dasari Hanumesh 2)NAGARAJA, Chiyedu |
|--|--|---|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :NA : NA :NA | (72)Name of Inventor :1)KUMAR, Dasari Hanumesh |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Aspects of the present disclosure relate to computer based compact optical measuring system for obtaining various optical properties including optical rotation, magnitude of optical rotation, optical absorption and transmittance of optically active organic and inorganic substances at several wavelengths, in which the need for electro optic modulation or magneto optic modulation is obviated. The disclosed system can be configured to accomplish non-destructive method of measuring both rotatory polarization and optical absorption (or transmittance) of chemical substances at several wavelengths. The disclosed system can be used as a spectropolarimeter as well as spectrophotometer by providing simple modifications to the components thereof.

No. of Pages : 29 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :12/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A SITTING TOILET ASSEMBLY TO ASSIST USER TO ACHIEVE NATURAL SQUATTING POSITION WITHOUT FLEXING THE KNEES

| (51) International classification | :A47K17/00 | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :NA | 1)MURALIDHARAREDDY, Kalimi |
| (32) Priority Date | :NA | Address of Applicant :H.No:50/760/A-113-3, Opposite to |
| (33) Name of priority country | :NA | Gayatri Towers, Gayatri Estate, Kurnool-518001, Andhra Pradesh, |
| (86) International Application No | :PCT// | India. Andhra Pradesh India |
| Filing Date | :01/01/1900 | 2)NAGARAJA, Chiyedu |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)MURALIDHARAREDDY, Kalimi |
| Filing Date | :NA | 2)NAGARAJA, Chiyedu |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An aspect of the present disclosure provides a toilet assembly including: a toilet bowl means having an upper opening and defining a longitudinal axis and a horizontal plane; at least one hip flexing means; at least one foot supporting means operatively coupled to said at least one hip flexing means; and an actuation means to lay said at least one hip flexing means at a predetermined angular relationship with respect to said horizontal plane defined by said toilet bowl upon actuation; wherein, a user on taking a sitting position on said toilet assembly with thighs of said user rested on said at least one hip flexing means and feet of said user rested on said at least one foot supporting means, and upon actuation of said actuation means, allows said user to achieve a squatting position without flexing knees.

No. of Pages : 21 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :15/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : MEDICINE FOR BIRTH CONTROL ANTIFERTILITY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :A01C 1/00 :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)DR.K.SHANMUKHAPPA Address of Applicant :NEAR T.M.C OFFICE, KOTTUR - 583 134, BELLARY (DT), Karnataka India (72)Name of Inventor : 1)DR.K.SHANMUKHAPPA |
|--|---|---|
| | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This composition is an antifertility, Pennanent Birth Control Single dose Madicine. Without any surgery, is prepared by the Most important part of the old Aged Plant, Fully matured seeds [with radicles] "Hopbush DoDonaea Viscosa. In the process of preparing the single Dose Medicine, the fully Matured seeds (with radices) of 2-3 years of old, of the Aged plant" Hopbush DoDonaea Viscosa" are used. As this single Dosage Medicime is a Composition, The "soft Powder" is to be prepared of the fully matured seeds (With radicles) of the said plant, and must be mixed with the "Boiled Hot Rice" Prepared by the 2-3 years of old Foxtail millet (without radicles) this composition of the above said " Soft Powder" and the boild Hot rice becomes the medicine for permanent birth control. The details of the medicine and the preparation is explained in the next para.

No. of Pages : 5 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :09/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHYSICAL DESIGN APPROACH OF A NOVEL ARCHITECTURE OF A JUNCTION-LESS TRANSISTOR HAVING HIGH K-SPACERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)University of Engineering & Management Address of Applicant :University of Engineering & Management Saltlake Electronics Complex, Sector V, Saltlake Kolkata - 700091 West Bengal India (72)Name of Inventor : 1)Dr. Rajiv Ganguly 2)Arindam Chakraborty 3)Debanjan Goswami |
|--|---|--|
| (61) Patent of Addition to Application Number | :NA | 2)Arindam Chakraborty |
| Filing Date | :NA | |

(57) Abstract :

Junction-less transistor(JLT) is basically a no junction accumulation mode device where the channel doping concentration is equal to both source and drain. Silicon-on-insulator(SOI) enabled JLT device requires an ultrathin channel to conduct. JLT simplifies the current-flow due to the elimination of Semiconductor/Insulator interface. Implementing a novel device architecture high-k-spacers on either side of the gate of JLT, the effect of scaling of gate length, buried-oxide thickness and doping concentrations have been studied, with different gate lengths and varying doping concentration to show the well improved electrostatic integrity of the device, potentially making the device scalable to extremely short channel-lengths.

No. of Pages : 13 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :15/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : 'METHOD OF THE PREPARTION OF FRESH COCONUT INFLORESCENCE SAP (KALPARASA) BASED SWEETS.'

| | | (71)Name of Applicant : |
|---|-----------|---|
| | | 1)GHOSH DIPAK KUMAR (SR.) |
| | | Address of Applicant :ASSOCIATE PROFESSOR, |
| (51) International classification | :A23L1/00 | DEPARTMENT OF SPICES & PLANTATION CROPS. BCKV - |
| (31) Priority Document No | :NA | KALYANI,741235,NADIA. W.B. INDIA |
| (32) Priority Date | :NA | 2)BANDYOPADHYAY APURBA |
| (33) Name of priority country | :NA | 3)DEY BAIDYANATH |
| (86) International Application No | :NA | 4)GHOSH KAUSHIK |
| Filing Date | :NA | 5)HEBBAR, K. B. |
| (87) International Publication No | : NA | 6)CHOWDAPPA, P. |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)DEY BAIDYANATH |
| (62) Divisional to Application Number | :NA | 2)GHOSH (SR.) DIPAK KUMAR |
| Filing Date | :NA | 3)BANDYOPADHYAY APURBA |
| | | 4)GHOSH KAUSHIK |
| | | 5)HEBBAR, K. B. |
| | | 6)CHOWDAPPA, P. |

(57) Abstract :

The present invention relates to a process for the preparation of fresh coconut inflorescence sap (Kalparasa) based milk sweets. The process in particular describes the method of preparation of different types of fresh coconut inflorescence sap (Kalparasa) based milk sweets in steam Ketly. Keeping the potential to revitalize the prospects of coconut crop for its commercial utilization with respect to better economic return through production of fresh coconut inflorescence sap (Kalparasa) and its value added products like fresh coconut inflorescence sap (Kalparasa) based milk Sweets has been invented. This will impart minerals, vitamins, valuable fiber which is not available in the normal cane sugar. Different type of recipes of fresh coconut inflorescence sap (Kalparasa) based milk Sweets have been prepared.

No. of Pages : 7 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :18/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : A PHOTONIC INTER-PROCESSOR COMMUNICATION BUS FOR DATA TRANSFER IN HOMOGENEOUS MULTICORE HIGH PERFORMANCE COMPUTING SYSTEMS.

| (51) International classification | :G02B1/02 | (71)Name of Applicant : |
|---|-----------|--|
| (31) Priority Document No | :NA | 1)SOUMYAJIT PODDAR |
| (32) Priority Date | :NA | Address of Applicant :64/11/F SUREN SARKAR ROAD, |
| (33) Name of priority country | :NA | KOLKATA-700010 WEST BENGAL,INDIA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)SOUMYAJIT PODDAR |
| (87) International Publication No | : NA | 2)PROF.HAFIZUR RAHAMAN |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This invention relates to a photonic inter-processor communication bus for data transfer in homogeneous multicore high performance computing systems and in particular, this invention relates to the photonic inter-processor communication bus using dynamic time division multiple access to reduce both delay and energy of data transfer. More particularly, this present invention also relates to a photonic inter-processor communication bus wherein data transferred typically consists of cache lines that are read remotely by a core from another core"s cache memory.

No. of Pages : 40 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :22/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : RFID BASED CENTRALIZED TRAIN COLLISION AVOIDANCE SYSTEM

| (51) International classification | :B61L23/16 | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :NA | 1)Chowdhury, Brij Bhushan |
| (32) Priority Date | :NA | Address of Applicant :M.Tech Student, Department of |
| (33) Name of priority country | :NA | Electronics and Communication Engineering, NIT Agartala, P.O |
| (86) International Application No | :PCT// / | Jirania, West Tripura, India, PIN -799055. |
| Filing Date | :01/01/1900 | 2)Bhowmik, Manik |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)Chowdhury, Brij Bhushan |
| Filing Date | :NA | 2)Bhowmik, Manik |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention deals with a RFID based Centralized Train Collision Avoidance System which is an automated train collision avoidance system operating from a central remote point in a particular zone of the railways network. The invention presented shows a train collision avoidance system which makes use of RFID based track identification system for proper detection of trains on the tracks. The structural placement of the RFID readers in the present invention is such that it detects the approaching trains only on its own track and not of the trains that maybe running on the nearby parallel tracks. Each tracks are segmented at fixed regular intervals and given a unique track number for proper identification of the trains running on a particular track number. The data about the trains running on a particular unique track number is processed by the central remote processing and control center and if it finds that two or more trains are on collision path, it send a distress signal back to the trains. The received distress signal when received by the trains on collision path; applies the brakes immediately stopping the trains within the safe distance and thus train collision is avoided. In the present invention, a hot standby central processing and control center is also present which replicates all the data as that of the main processing and control center and it takes over the processing and control operations in case of failure of the main central processing and control center. The present invention also uses RFID based automatic gate control of the level crossing at both manned and unmanned level crossings to prevent any collisions between vehicles and trains and thus saving precious human lives.

No. of Pages : 17 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :29/02/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : "A PROCESS FOR MANUFACTURING SILICA REFRACTORY BRICKS FOR TALL COKE OVENS."

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :C04B35/14 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)OCL INDIA LIMITED Address of Applicant :RAJGANGPUR - 770 017, DIST. SUNDERGARH, ODISHA, INDIA. (72)Name of Inventor : |
|--|---|--|
| Filing Date | :NA | 1)TIWARI, DR. JAI NARAYAN |
| (87) International Publication No | : NA | 2)PANDA, DR. BHARATI KRUSHNA |
| (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 aims at a process for manufacturing silica refractory bricks characterized in that the said process comprises adding 0.5 to 5 parts by wt. of mixture of SiO2-yielding compounds as herein described to 100 parts by wt. of particles of quartzite, sandstone, silica grog and like siliceous materials with the addition of organic and/or inorganic binders, in an amount not exceeding 7 parts by wt. of the reaction mass, and with an optional addition of an additive, intimately mixing the ingredients with water to a mouldable consistency, moulding the wet mix into shape of bricks, drying and firing the said brick at a temperature between 1350°C and 1500°C.

No. of Pages : 17 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :07/04/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : PERSONAL AUTHENTICATION BIOMETRIC SYSTEM BASED ON FINGERS STRUCTURE

| (51) International classification | :G06F21/32 | (71)Name of Applicant : |
|---|------------|---|
| (31) Priority Document No | :NA | 1)VERMA SATYA BHUSHAN |
| (32) Priority Date | :NA | Address of Applicant : COMPUTER CENTER NATIONAL |
| (33) Name of priority country | :NA | INSTITUTE OF TECHNOLOGY, DURGAPUR, WEST |
| (86) International Application No | :NA | BENGAL INDIA,713209 |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)VERMA SATYA BHUSHAN |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

[00062] Touchless finger structure based biometric system is an innovative technology gaining importance. The main challenges in touchless palm recognition are due to intra-class variations which is caused by the hand deformation when an image is captured without any peg. In this proposed technique, colour IITD touchless palmprint images are used for performance evaluation. The source colour image is converted into grey scale image and extracts the palm by Otsu's segmentation method. Moreover, each finger is segmented and the vertical gradient pixels between two bending points in each finger is calculated. In the proposed biometric technique, achieves a rate of ERR 4.0%, TSR 96.0% and it takes 1.280 seconds for matching two palm images. [00063] REFERENCES [00064] R. Sanchez-Reillo, C. Sanchez-Avila, A. Gonzalez-Marcos, Biometric identification through hand geometry measurements, IEEE Transactions on Pattern Analysis and Machine Intelligence 22 (10) pp.1168-1171, 2000. [00065] R. Sanchez-Reillo, Hand geometry pattern recognition through Gaussian mixture modelling, Proceedings of the 15th International Conference on Pattern Recognition (ICPR00), vol. 2, pp. 937-940, 2000. [00066] Wai Kin Kong, David Zhang, and Wenxin Li, Palmprint. feature extraction using 2-D Gabor Filters, Pattern Recognition, Volume 36, Issue 10, Pages 2339-2347, October 2003.. [00067] AgusZainalArifin and Akira Asano, Image Thresholding by Histogram Segmentation Using Discriminant Analysis, Indonesia-Japan Joint Scientific Symposium 2004 (IJJSS"04), 169-174(2004). [00068] Jin Soo Noh; Kang Hyeon Rhee, "Palmprint identification algorithm using Hu invariant moments and Otsu binarization," in Computer and Information Science, 2005. Fourth Annual ACIS International Conference on Computer and Information Science, IEEE, pp. 94-99, 2005. [00069] Jiansheng Chen and Yiu-Sang Moon, Using SIFT Features in Palmprint Authentication, IEEE, 978-1 -4244-2175-6/08/2008. [00070] Ming Chen, Yi-min Chen, Shi-hua Huang, and Zheng-wei Yao, A Palmprint Recognition Algorithm based on Harris Synthetically Method, Second International Symposium on Intelligent Information Technology Application, IEEE, 2008. [00071] My-Ha Le, Byung-Seok Woo, and Kang-Hyun Jo. A Comparison of SIFT and Harris Conner Features for correspondence Points Matching, Frontiers of Computer Vision (FCV), pp.1-4, Feb. 2011. [00072] DewiYantiLiliana and Eries Tri Utaminingsih, The combination of palm print and hand geometry for biometrics palm recognition, International Journal of Video & Image Processing and Network Security, IJVIPNS-IJENS V. 12, February 2012. [00073] Anne Wincy and George ChellinChandran, Palmprint Recognition using PCF and SURF, International Journal of Advanced Research in Computer Science and Software Engineering, V 3,1 10, p996-1001, October 2013. [00074] M. I. Ahmad, M. Z. Ilyas, R. Ngadiran, MohdNazrin, and S. N. Yaakob, Palmprint Recognition Using Local and Global Features, IWSSIP 2014, ICSSIP, may 2014. [00075] Ruifang Wang, Daniel Ramos, Raymond Veldhuis, Julian Fierrez, LuukSpreeuwers, and HaiyunXu, Regional fusion for high-resolution palmprint recognition using spectral minutiae representation, IET Biometrics, Vol. 3, Issue. 2, pp. 94-100, 2014.

No. of Pages : 18 No. of Claims : 5

(22) Date of filing of Application :22/04/2016

(21) Application No.201638014147 A

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PITCH FILTI | ER FOR AUDIO SIGNAL | LS |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on | :G10L 19/26 :61/361,237 :02/07/2010 :U.S.A. :PCT/EP2011/060555 :23/06/2011 :WO/2012/000882 :NA :NA :3748/KOLNP/2012 :30/11/2012 | (71)Name of Applicant : 1)DOLBY INTERNATIONAL AB Address of Applicant :APOLLO BUILDING, 3E, HERIKERBERGWEG 1-35, NL-1101 CN AMSTERDAM ZUIDOOST THE NETHERLANDS (72)Name of Inventor : 1)RESCH, BARBARA 2)KJÖRLING, KRISTOFER 3)VILLEMOES, LARS |

(57) Abstract :

A pitch filter for filtering a preliminary audio signal generated from an audio bitstream, the pitch filter having an operating mode selected from one of either: an active mode where the preliminary audio signal is filtered using filtering information to obtain a filtered audio signal, and an inactive mode where the pitch filter is disabled; wherein the preliminary audio signal is generated in an audio decoder operating in a coding mode selected from at least two distinct coding modes, and the pitch filter is capable of being selectively operated in either the active mode or the inactive mode based on control information while the audio decoder is operating in the coding mode, wherein the audio bitstream is segmented into frames of audio content and the control information includes a frame type parameter with one or more first values of the frame type parameter indicating that the pitch filter should be operated in the inactive mode.

No. of Pages : 48 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :18/01/2016

(43) Publication Date : 13/05/2016

(54) Title of the invention : Y-JUNCTION FLOW CONTROLLING SYSTEM HAVING A VALVE FOR TWIN PIT POUR FLASH LATRINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :E03D1/32 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : Rajib Kr. Bania Address of Applicant :Village: Nizdahi Arjuntal Po: Dighirpar Dist: Darrang State:Assam,India Pin:784144 (72)Name of Inventor : Rajib Kr. Bania |
|---|--|--|
|---|--|--|

(57) Abstract :

This invention relates to a Y-Junction flow controlling system and in particular, this invention relates to a Y-Junction flow controlling system which is used for Twin Pit Pour Flash Latrine and particularly to Y-Junction flow controlling system which comprises a socket, valve and lever. Furthermore, this invention also relates to a Y-Junction flow controlling system which has the advantages of being simple in structure and convenient to use and install, improving the filling efficiency, reducing manual costs, reducing area and the like.

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

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.10092/DELNP/2013 A |
|---|--|
| (19) INDIA | |
| (22) Date of filing of Application :25/11/2013 | (43) Publication Date : 13/05/2016 |
| (54) Title of the invention : ULTRA HIGH STRENGTH UHMW P | E FIBERS AND PRODUCTS |
| (51) International classification :D01F6/04 D01D1/02 D01D5/12 | (71)Name of Applicant : |

| (51) International classification | :D01F6/04,D01D1/02,D01D5/12 | (71)Name of Applicant : |
|------------------------------------|-----------------------------|--|
| (31) Priority Document No | :13/173919 | 1)HONEYWELL INTERNATIONAL INC. |
| (32) Priority Date | :30/06/2011 | Address of Applicant :Patent Services M/S AB/2B 101 |
| (33) Name of priority country | :U.S.A. | Columbia Road P. O. Box 2245 Morristown New Jersey 07962 |
| (86) International Application N | o:PCT/US2012/043952 | 2245 U.S.A. |
| Filing Date | :25/06/2012 | (72)Name of Inventor : |
| (87) International Publication No. | D:WO 2013/003259 | 1)TAM Thomas Y. |
| (61) Patent of Addition to | :NA | 2)YOUNG John A. |
| Application Number | :NA | 3)AMINUDDIN Norman |
| Filing Date | INA | 4)HERMES John E. |
| (62) Divisional to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| | | · |

(57) Abstract :

Multi filament UHMW PE fibers can be produced according to processes that result in improved properties. The UHMW PE can have an intrinsic viscosity in decalin at 135 C of at least about 30 dl/g and can be processed under optimal conditions to achieve a gel spun fiber having a tenacity of greater than about 45 g/denier (40.5 g/dtex).

No. of Pages : 58 No. of Claims : 10

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : HYDROXYMETHYLARYL SUBSTITUTED PYRROLOTRIAZINES AS ALK1 INHIBITORS

| (51) Internationalclassification(31) Priority Document No(32) Priority Date | :C07D487/04,A61K31/53,A61P27/00 :61/503840 :01/07/2011 | (71)Name of Applicant : 1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Str. 10 40789 Monheim Germany 2)Bayer Pharma Aktiengesellschaft |
|--|--|---|
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : 1)KLAR Jürgen |
| (86) International Application No Filing Date | :PCT/EP2012/062366 :26/06/2012 | 2)VOEHRINGER Verena 3)TELSER Joachim 4)LOBELL Mario |
| (87) International Publication No | :WO 2013/004551 | 5)SÜßMEIER Frank 6)LI Volkhart Min Jian |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 7)BÖTTGER Michael 8)GOLZ Stefan 9)LANG Dieter |
| (62) Divisional to Application Number Filing Date | :NA :NA | 10)SCHLEMMER Karl Heinz 11)SCHLANGE Thomas 12)SCHALL Andreas 13)FU Wenlang |

(57) Abstract :

This invention relates to novel 5- [(hydroxymethyl)aryl] -substituted pyrrolo[2, 1-] [1, 2, 4] triazin-4-amines of formula (I), to processes for the preparation of such compounds, to pharmaceutical compositions containing such compounds, and to the use of such compounds or compositions for treating angiogenesis-related disorders, in particular angiogenesis-related ocular disorders.

No. of Pages : 144 No. of Claims : 10

(21) Application No.10095/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : RENEWABLE ENERGY PRODUCTION PROCESS WITH A DEVICE FEATURING RESONANT NANO DUST PLASMA A CAVITY RESONATOR AND AN ACOUSTIC RESONATOR

| (51) International classification | | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :P1100247 | 1)EGELY György |
| (32) Priority Date | :11/05/2011 | Address of Applicant :Makkosi ðt 28. H 2092 Budakeszi |
| (33) Name of priority country | :Hungary | Hungary |
| (86) International Application No | :PCT/HU2012/000034 | (72)Name of Inventor : |
| Filing Date | :07/05/2012 | 1)EGELY György |
| (87) International Publication No | :WO 2012/153156 | |
| (61) Patent of Addition to Application | .NI A | |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention is a renewable energy production process with resonant nano dust plasma with the application of a cavity resonator and an acoustic resonator. During the process the acoustic resonator is placed inside the cavity resonator and create a series of acoustic resonances with a complex plasma made of sub micron sized carbon dust hydrogen isotopes and other gases between 10 Pa and 500 kPa at about 2.000 ŰC thus creating oscillations and thus plasmon polaritons on the surface of carbon dust particles oscillating between 10 kHz - 5 GHz and in the terahertz range which in turn produces heat or electric energy or creates a series of nuclear transmutations. The invention is an embodiment producing renewable heat formed by a cavity resonator (30) excited by electromagnetic fields and an acoustic resonator (10). In the acoustic resonator (10) operated with a number of acoustic resonances there are nano sized dust particles (1). The electromagnetic cavity resonator (30) is cylindrical spherical or rectangular with mirror like internal walls (31) inside of which the cylindrical or spherical acoustic resonator (10) suitably made of heat resistant and electrically insulating material is mounted.

No. of Pages : 33 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : AUSTENITIC IRON BASED ALLOY TURBOCHARGER AND COMPONENT MADE THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :C22C38/00,C22C38/58 :102011102003.2 :19/05/2011 :Germany :PCT/US2012/035759 :30/04/2012 :WO 2012/158332 :NA | (71)Name of Applicant : 1)BORGWARNER INC. Address of Applicant :Patent Department 3850 Hamlin Road Auburn Hills Michigan 48326 U.S.A. (72)Name of Inventor : 1)CLAUDE Antoine |
|---|---|--|
| Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

What is described is an austenitic iron based alloy containing manganese and at most 10% by weight and in particular at most 5% by weight nickel based in each case on the overall weight of the iron based alloy.

No. of Pages : 18 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TURBOCHARGER WITH VARIABLE TURBINE GEOMETRY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | | (71)Name of Applicant : 1)BORGWARNER INC. Address of Applicant :Patent Department 3850 Hamlin Road Auburn Hills Michigan 48326 U.S.A. (72)Name of Inventor : 1)HEIDINGSFELDER Leif |
|---|------------|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a turbocharger (15) with variable turbine geometry having a blade bearing ring arrangement (1) which has a blade bearing ring (2) and a disk (3) which is fixed to the blade bearing ring (2) so as to create a flow duct (4) having guide blades (5) mounted in the blade bearing ring (2) and having a spacer device (5) which is arranged between the blade bearing ring (2) and the disk (3) so as to set a defined width (B) of the flow duct (4) wherein the spacer device (5) is formed as an inlet guide grate (6) which has movable inlet guide blades (8) which are arranged in each case on a spacer pin (7) which is fixed with its first end (7A) to the blade bearing ring (2). The invention also relates to a method for producing a blade bearing ring arrangement (1).

No. of Pages : 15 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ORAL CARE COMPOSITION FOR TREATING DRY MOUTH

(57) Abstract :

Described herein are oral compositions comprising an extract obtained from

Arialaceae Zingiberaceae Lamiaceae Fabaceae Solanaceae Punicaceae. Asteraceae or mixtures thereof; Their uses for alleviating dry mouth is also described.

No. of Pages : 35 No. of Claims : 34

(19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FLUORINE CONTAINING COPOLYMER COMPOSITION AND METHOD FOR PRODUCING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :C08L27/12,C08F2/44,C08F214/18 :2011120523 :30/05/2011 :Japan :PCT/JP2012/063811 :29/05/2012 | (71)Name of Applicant : 1)Asahi Glass Company Limited Address of Applicant :5 1 Marunouchi 1 chome Chiyoda ku Tokyo 1008405 Japan (72)Name of Inventor : 1)KASAHARA Kiyoshi 2)HARA Yuji |
|---|---|---|
| (87) International Publication No | :WO 2012/165443 | |
| (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 relates to a fluorine-containing copolymer composition which contains: a fluorine-containing copolymer (A) that has a repeating unit derived from a fluoroolefin and a repeating unit derived from a monomer having no fluorine atom; potassium carbonate; and an organic solvent. In the fluorine-containing copolymer composition, the potassium carbonate content relative to the fluorine-containing copolymer (A) is 5-80 ppm in terms of K2O.

No. of Pages : 44 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING INPUT VOLTAGE IN ELECTRIC CHARGES (51) International classification :H02M1/10 (71)Name of Applicant : (31) Priority Document No 1)WHIRLPOOL S.A. :PI11024666 Address of Applicant : Av. das Nações Unidas 12.995 (32) Priority Date :26/05/2011 (33) Name of priority country 32° andar Brooklin Novo 04578 000 São Paulo SP Brazil :Brazil (86) International Application No :PCT/BR2012/000153 (72)Name of Inventor: **1)ZANELATO Marcelo** Filing Date :24/05/2012 (87) International Publication No :WO 2012/159183 2) DE SOUZA Marcos Roberto (61) Patent of Addition to Application 3)PINI Silvia Helena :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention relates to a method and a system for con trolling input voltage (1) for electric charges (5) that have a selective organization of electric components for more than one input voltage (1) preferably for induction motors used on cooling compressors by means of a set of output switches (4). The detection may be made either directly by means of a processing unit (3) or indirectly by means of a network sensor (6) capable of supplying information to the processing unit (3). In another embodiment of this invention there is addition of a protection sensor (7) as well as control reference values (8) capable of supplying information to the processing unit (3) for better protection of the electric charges (5).

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

(22) Date of filing of Application :14/11/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : FLUSH TANK WITH DISCHARGE VALVE AND TRIGGERING MECHANISM THEREFORE (51) International classification :E03D5/02,E03D1/14 (71)Name of Applicant :

| (91) International elassification | | (/ 1) tune of rippicule : |
|---|--------------------|---|
| (31) Priority Document No | :P201300120 | 1)RAJÅ TER AleÅ; |
| (32) Priority Date | :16/05/2013 | Address of Applicant :JeÅ ³ / ₄ a 112 1231 Ljubljana Ã [^] rnuÃ [¨] e |
| (33) Name of priority country | :Slovenia | Slovenia |
| (86) International Application No | :PCT/IB2014/061481 | (72)Name of Inventor : |
| Filing Date | :16/05/2014 | 1)RAJÅ TER AleÅ; |
| (87) International Publication No | :WO 2014/184776 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

The present invention refers to a flush tank providing a receptacle with a discharge valve and a triggering mechanism therefore. A first end of an adapter (5) is inserted with a press fit into a discharge projection (3) of the receptacle (2) for the flush water. A discharge tube (7) to discharge the flush water from said receptacle (2) is attached to a second end of said adapter (5) wherein a triggering mechanism (8) is arranged within said tube (7) said mechanism releasing flow of the water out of said receptacle (2). The triggering mechanism comprises a body (16) in which a first hollow piston (22) is slidably arranged whereby lifting the first piston initiates a small flush. A second piston (25) is in turn slidably arranged in the first piston whereby lifting the second piston initiates a large flush. The pistons are both actuated pneumatically.

No. of Pages : 9 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NOVEL OXYNTOMODULIN DERIVATIVES AND PHARMACEUTICAL COMPOSITION FOR TREATING OBESITY COMPRISING THE SAME

(57) Abstract :

The present invention relates to a novel peptide showing more excellent activities on a glucagon like peptide 1 receptor and a glucagon receptor than native oxyntomodulin and a composition for the prevention or treatment of obesity comprising the peptide as an active ingredient. Unlike native oxyntomodulin the novel peptide of the present invention reduces food intake suppresses gastric emptying and facilitates lipolysis with reduced side effects and also shows excellent receptor activating effects. Thus it can be widely used in the treatment of obesity with safety and efficacy.

No. of Pages : 49 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SEQUENCE SPECIFIC ENGINEERED RIBONUCLEASE H AND THE METHOD FOR DETERMINING THE SEQUENCE PREFERENCE OF DNA RNA HYBRID BINDING PROTEINS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C12N9/22 :P.395179 :08/06/2011 :Poland :PCT/PL2012/050019 :07/06/2012 :WO 2012/169916 :NA :NA | (71)Name of Applicant : 1)MIEDZYNARODOWY INSTYTUT BIOLOGII MOLEKULARNEJ I KOMÓRKOWEJ Address of Applicant :ul. Ks. Trojdena 4 PL 02 109 Warszawa Poland (72)Name of Inventor : 1)BUJNICKI Janusz Marek 2)SULEJ Agata Agnieszka 3)SKOWRONEK Krzysztof Jerzy 4)NOWOTNY Marcin |
|---|--|---|
| Number | | 3)SKOWRONEK Krzysztof Jerzy |

(57) Abstract :

The subject of the invention is the ribonuclease which cleaves RNA strand in DNA RNA hybrids wherein ribonuclease comprises fusion protein comprising catalytic domain of RNase HI (RNase HI) or derivative thereof with a zinc finger DNA RNA hybrid binding domain and wherein the zinc finger binding domain has the ability to bind to specific sequences in the DNA RNA hybrid. The invention also relates to new method for determination of the sequence preference of DNA RNA hybrid binding protein(s) or its domain(s) and allows determining the sequence recognized by sequence specific binding protein in the DNA RNA hybrid.

No. of Pages : 51 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :03/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ACTIVE COMPOUND COMBINATIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/EP2012/060508 :04/06/2012 :WO 2012/168188 :NA :NA | (71)Name of Applicant : 1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Str. 10 40789 Monheim Germany (72)Name of Inventor : 1)HOFFMANN Sebastian 2)WASNAIRE Pierre 3)WACHENDORFF NEUMANN Ulrike |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention relates to active compound combinations in particular within a fungicide composition which comprises (A) a thiazolylisoxazoline of formula (I) and a further fungicidally active compound (B). Moreover the invention relates to a method for curatively or preventively controlling the phytopathogenic fungi of plants or crops to the use of a combination according to the invention for the treatment of seed to a method for protecting a seed and not at least to the treated seed.

No. of Pages : 88 No. of Claims : 12

(22) Date of filing of Application :10/12/2013

(43) Publication Date : 13/05/2016

(51) International classification :C07D 473/04 (71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL (31) Priority Document No :10 2004 054054.3 (32) Priority Date :05/11/2004 GMBH (33) Name of priority country Address of Applicant :BINGER STRASSE 173, 55216 :Germany (86) International Application No INGELHEIM, GERMANY. Germany :PCT/EP05/055711 Filing Date (72)Name of Inventor: :02/11/2005 (87) International Publication No :WO 2006/048427 **1)WALDEMAR PFRENGLE** (61) Patent of Addition to Application **2)THORSTEN PACHUR** :NA Number **3)THOMAS NICOLA** :NA Filing Date **4)ADIL DURAN** (62) Divisional to Application Number :3176/DELNP/2007 Filed on :27/04/2007

(54) Title of the invention : A COMPOUND OF THE GENERAL FORMULA (II)

(57) Abstract :

The invention relates to an improved process for preparing enantiomerically pure 8-(3-aminopiperidin-1-yl)-xanthines.

No. of Pages : 22 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :10/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR PRODUCING A MEDICAMENT BY USING A COMPOUND OF THE GENERAL FORMULA (I)

Т

(57) Abstract :

The invention relates to an improved process for preparing enantiomerically pure 8-(3-aminopiperidin-1-yl)-xanthines.

No. of Pages : 21 No. of Claims : 16

(22) Date of filing of Application :10/12/2013

(21) Application No.10616/DELNP/2013 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : (R)-3(PHTHALIMIDO)PIPERIDINE

(57) Abstract :

The invention relates to an improved process for preparing enantiomerically pure 8-(3-aminopiperidin-1-yl)-xanthines.

No. of Pages : 18 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :10/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : REDUCED CONTEXT OR CONTEXT LESS SHORT MESSAGE TRANSMISSION FOR MACHINE TYPE COMMUNICATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :26/07/2012 | (71)Name of Applicant : 1)SCA IPLA Holdings Inc Address of Applicant :550 Madison Avenue New York 10022 U.S.A. (72)Name of Inventor : 1)BARRETT Stephen John |
|---|---------------------------------------|--|
| | :26/07/2012 :WO 2013/017849 :NA | |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

A mobile communications network for communicating data to/from communications devices the network comprising one or more base stations operable to provide a wireless access interface to communications devices; one or more communications devices operable to communicate packets with the one or more base stations via the wireless access interface; one or more packet gateways operable to transmit user data packets received via the one or more base stations from and/or to the one or more communications devices; and one or more mobility managers operable to send and receive signalling packets for controlling user data communications between communications devices and packet gateways. The one or more mobility managers are operable upon reception of a signalling packet from a communications device and comprising user data intended for a destination to detect that the packet is not associated with any established signalling connection between the one or more mobility managers and this communication device. The one or more mobility managers are operable responsive to said detection to transmit the user data comprised in the signalling packet to the destination. Accordingly a short message may be sent in a reduced context or context less manner in a mobile communications network.

No. of Pages : 71 No. of Claims : 70

(19) INDIA

(22) Date of filing of Application :12/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR MOUNTING A SUSPENDED CEILING AND SUCH A SUSPENDED CEILING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :23/08/2012 | (71)Name of Applicant : 1)SAINT-GOBAIN ECOPHON AB Address of Applicant :Box 500 S 260 61 Hyllinge Sweden (72)Name of Inventor : 1)NILSSON Erling |
|---|-------------|---|
| | | |

(57) Abstract :

The present invention relates to a method for mounting a suspended ceiling (1). The method comprises providing a supporting structure (10 11) and ceiling tiles (2) installing said ceiling tiles (2) in the supporting structure (10 11) and arranging a waste portion (2b) removed from a ceiling tile (2a) on top of the ceiling tiles (2) of said suspended ceiling (1). The present invention further relates to a suspended ceiling (1).

No. of Pages : 27 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :12/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DOWNLINK RESOURCE ALLOCATION FOR FLEXIBLE BANDWIDTH OPERATION IN WIRELESS SYSTEM

| (51) International classification | :H04L5/00,H04W72/12,H04W72/04 | 1)INTERDIGITAL PATENT HOLDINGS INC. |
|--------------------------------------|-------------------------------|--|
| (31) Priority Document No | :61/522883 | Address of Applicant :200 Bellevue Parkway Suite 300 |
| (32) Priority Date | :12/08/2011 | Wilmington DE 19809 U.S.A. |
| (33) Name of priority country | y:U.S.A. | (72)Name of Inventor : |
| (86) International | :PCT/US2012/050438 | 1)SHIN Sung Hyuk |
| Application No | :10/08/2012 | 2)KOO Changsoo |
| Filing Date | | 3)PELLETIER Ghyslain |
| (87) International Publication | ¹ WO 2012/025547 | 4)STERN BERKOWITZ Janet A. |
| No | :w0 2015/025547 | 5)RUDOLF Marian |
| (61) Patent of Addition to | NT A | 6)TAMAKI Nobuyuki |
| Application Number | :NA | 7)TSAI Allan Y. |
| Filing Date | :NA | 8)SADEGHI Pouriya |
| (62) Divisional to | N. 4 | |
| Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Systems methods and instrumentalities are disclosed for downlink resource allocation associated with a shared frequency band. A WTRU may receive resource allocation information associated with a component carrier and at least one carrier segment. The component carrier and the least one carrier segment may each comprise a plurality of resource block groups (RBG). At least two bitmaps may be associated with the resource allocation information. A size of a RBG of the component carrier and a RBG of the at least one carrier segment is determined by a function of bandwidth of the component carrier. The WTRU may determine at least one RBG allocated to the WTRU using the re \hat{A}_{\neg} source allocation information and may receive and decode the at least one RBG allocated to the WTRU.

No. of Pages : 112 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :09/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : HYALURONIC ACID BINDING SYNTHETIC PEPTIDOGLYCANS PREPARATION AND METHODS OF USE

| (51) International classification(31) Priority Document No(32) Priority Date | :C07K7/06,C07K7/08,C07K14/78 :61/489602 :24/05/2011 | (71)Name of Applicant : 1)PURDUE RESEARCH FOUNDATION Address of Applicant :1281 Win Hentschel Blvd. West |
|---|---|---|
| (32) Name of priority country | :U.S.A. | Lafayette Indiana 47906 4182 U.S.A. |
| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :PCT/US2012/039404 :24/05/2012 :WO 2012/162534 :NA | (72)Name of Inventor : 1)PANITCH Alyssa 2)BERNHARD Jonathan C. 3)PADERI John E. 4)SHARMA Shaili |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This invention pertains to the field of hyaluronic acid binding synthetic peptidoglycans and methods of forming and using the same.

No. of Pages : 98 No. of Claims : 24

(22) Date of filing of Application :09/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : RECURRENT GENE FUSIONS IN PROSTATE CANCER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :12/09/2006 :WO 2007/033187 | (71)Name of Applicant : 1)THE REGENTS OF THE UNIVERSITY OF MICHIGAN Address of Applicant :3003 S.STATE STREET, ANN ARBOR, MICHIGAN 48109, UNITED STATES OF AMERICA, U.S.A. 2)THE BRIGHAM AND WOMEN'S HOSPITAL, INC. (72)Name of Inventor : 1)CHINNAIYAN, ARUL 2)TOMLINS, SCOTT 3)RHODES, DANIEL |
|--|---------------------------------|--|
| (87) International Publication No(61) Patent of Addition to ApplicationNumber | | 2)TOMLINS, SCOTT 3)RHODES, DANIEL 4)MEHRA, ROHIT |
| Filing Date (62) Divisional to Application Number Filed on | :3038/DELNP/2008 :11/04/2008 | 5)RUBIN, MARK A. 6)SUN, XIAO-WEI 7)DEMICHELIS, FRANCESCA 8)PERNER, SVEN 9)LEE, CHARLES |

(57) Abstract :

Recurrent gene fusions of androgen regulated genes and ETS family member genes in prostate cancer are described. Compositions and methods having utility in prostate cancer diagnosis, research, and therapy are also provided.

No. of Pages : 216 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :13/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : "METHOD FOR THE PREPARATION OF LINEAR ALPHA-OLEFINS AND REACTOR SYSTEM THEREFOR WITH DISPOSAL OF HIGH MOLECULAR WEIGHT OLIGOMERS†•

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on | :C07C :05016524.0 :29/07/2005 :EPO :PCT/EP2006/005641 :13/06/2006 :WO/2007/016992 :NA :NA :NA :10226/DELNP/2007 :31/12/2007 | (71)Name of Applicant : LINDE AG Address of Applicant :Leopoldstr. 252, 80807 Munich, Germany; Germany SAUDI BASIC INDUSTRIES (72)Name of Inventor : Peter FRITZ Heinz BÃ-LT Stefan GLANZ Richard SCHNEIDER Talal ALI Sultan AL-OTAIBI Fuad MOSA |
|--|--|--|
|--|--|--|

(57) Abstract :

The present invention relates to a method for the preparation of linear alpha-olefins by oligomerization of ethylene in a reactor in the presence of a solvent and a catalyst, characterized in that from a discharge stream of the reactor comprising the solvent, catalyst, linear alphaolefins and substantially high molecular weight oligomers, the high molecular weight oligomers are separated, then diluted with a dilution medium and heated to about $130\text{Å}^\circ\text{C}$ to about $200\text{Å}^\circ\text{C}$, the diluted high molecular weight oligomers being then transferred to a disposal device, wherein recycles for loop operation are established, and flow rates of the loop streams are from about 1 to about $50 \text{ m}^3/\text{h}$; and a reactor system therefore.

No. of Pages : 9 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :16/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : HETEROCYCLYL PYRIMIDINE ANALOGUES AS JAK INHIBITORS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition Application Number Filing Date (62) Divisional to Application Number Filing Date | :11175807.4 :28/07/2011 :EPO :PCT/EP2012/064515 :24/07/2012 :WO 2013/014162 | (71)Name of Applicant : 1)CELLZOME LIMITED Address of Applicant :980 Great West Road Brentford Middlesex TW8 9GS U.K. (72)Name of Inventor : 1)FREEMAN Jay 2)READER Valerie 3)ADDISON Glynn 4)RAMSDEN Nigel 5)SCANLON Jane Elizabeth 6)HARRISON Richard John |
|--|--|--|
|--|--|--|

(57) Abstract :

The present invention relates to compounds of formula (I), wherein X1 to X5, Z1 to Z3, Y0, RY1, RY2 and R have the meaning as cited in the description and the claims. Said compounds are useful as JAK inhibitors for the treatment or prophylaxis of immunological, inflammatory, autoimmune, allergic disorders, and immunologically- mediated diseases. The invention also relates to pharmaceutical compositions including said compounds, the preparation of such compounds as well as the use as medicaments.

No. of Pages : 145 No. of Claims : 40

(19) INDIA

(22) Date of filing of Application :13/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DUAL-VALVE CONTRAST FLUID DELIVERY SYSTEM

| (35) Name of phonty (35) Name of phonty (35) Name of phonty (35) Name of inventor : (36) International PCT/EP2011/062179 (37) International Publication No (37) International Publication No (37) International (38) International (39) International (30) 2013/010572 (31) PETERS Jean Pierre (1) PETERS Jean Pierre (2) PETERS Jean Pierre (2) PETERS Jean Pierre (2) PETERS Jean Pierre (2) PETERS Jean Pierre (3) PETERS Jean Pierre (3) PETERS Jean Pierre (3) PETERS Jean Pierre (4) PETERS Jean Pierre (4) PETERS Jean Pierre (4) PETERS Jean Pierre (4) PETERS Jean Pierre (5) PETERS Jean Pierre (6) PETERS Jean Pierre </th <th> (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number </th> <th>:NA :NA :PCT/EP2011/062179 :15/07/2011 :WO 2013/010572 :NA :NA</th> <th> (71)Name of Applicant : PETERS Jean Pierre Address of Applicant :Kiezelstraat 144 B 3500 Hasselt Belgium (72)Name of Inventor : PETERS Jean Pierre </th> | (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :PCT/EP2011/062179 :15/07/2011 :WO 2013/010572 :NA :NA | (71)Name of Applicant : PETERS Jean Pierre Address of Applicant :Kiezelstraat 144 B 3500 Hasselt Belgium (72)Name of Inventor : PETERS Jean Pierre |
|---|--|--|--|
|---|--|--|--|

(57) Abstract :

A disposable set (5) for establishing a fluid connection between a fluid dispensing unit (17) and a dosing device adapted to dispense the fluid into a patients vein the disposable set comprising a length of a tubing (15) for establishing a fluid connection from the fluid dispensing unit towards and into the dosing device wherein the tubing (15) comprises a first 10 (1) and a second (10) tubing part and a releasable connection (11 12) wherein the first tubing part (1) comprises two or more one way valves (3 24) which are provided to prevent a backflow from the patient in the direction of the fluid dispensing unit (17) in the closed position of the releasable connection.

No. of Pages : 27 No. of Claims : 17

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SLICEABLE DAIRY PRODUCT WITH EXTENDED SHELF LIFE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :13174847.7 :03/07/2013 :EPO | (71)Name of Applicant : 1)ARLA FOODS AMBA Address of Applicant :SÃ,nderhÃ, j 14 DK 8260 Viby J Denmark (72)Name of Inventor : |
|--|------------------------------------|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)Ã~STERGAARD CLAUSEN Mads Friis |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to methods of making sliceable dairy product, and the products obtainable by said methods.

No. of Pages : 52 No. of Claims : 18

(54) Title of the invention : SYSTEMS AND METHODS FOR ARC FAULT DETECTION

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(51) International classification (71)Name of Applicant : :H02H1/00, (31) Priority Document No 1)SIEMENS INDUSTRY, INC. :US 60/855,424 (32) Priority Date Address of Applicant :3333 OLD MILTON PARKWAY, :31/10/2006 (33) Name of priority country ALPHARETTA, GA 30005-4437, U.S.A, U.S.A. :U.S.A. (86) International Application No :PCT/US2007/023077 (72)Name of Inventor: Filing Date :31/10/2007 1)RESTREPO. Carlos (87) International Publication No :WO/2008/054806 2)STALEY, Peter, S (61) Patent of Addition to Application 3)NAYAK, Amit :NA Number 4)MIKANI, Vaske :NA Filing Date 5)KINSEL, Hugh, T (62) Divisional to Application Number :2392/DELNP/2009 6)ENDOZO, Joselito Filed on :13/04/2009

(57) Abstract :

In accordance with one aspect the present disclosure is directed toward a method for detecting arc faults on a power line. The method may include monitoring power signals associated with a power line and filtering the power signals to produce a high frequency signal and a low frequency signal. A mask signal may generated based on the low frequency signal, and the high frequency signal may be analyzed to extract a broadband portion of the high frequency signal. A fault counter may be incremented if the magnitude of the broadband portion is approximately greater than a first threshold level. A fault counter may be decremented if the magnitude of the broadband portion is approximately less than the first threshold level. A trip signal is provided to a switching device associated with the power line if the fault counter exceeds a predetermined fault limit. Figure: 2

No. of Pages : 67 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :22/12/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CLOSED FEEDBACK CONTROL FOR ELECTROSURGICAL DEVICE

| (51) International classification | :A61B17/32,A61B18/14,A61B19/00 | (71)Name of Applicant : 1)ETHICON ENDO SURGERY INC. |
|--|---|---|
| (31) Priority Document No | :13/539117 | Address of Applicant :4545 Creek Road #97 Cincinnati Ohio |
| (32) Priority Date | :29/06/2012 | 45242 U.S.A. |
| (33) Name of priority country | y:U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :PCT/US2013/045820 :14/06/2013 ¹ :WO 2014/004116 | 1)STULEN Foster B. 2)STEWART Randolph 3)BOUDREAUX Chad P. |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

Various example embodiments are directed towards a system and method for closed feedback control of a robotically controlled electrosurgical instrument. In one embodiment the method comprises applying at least one electrosurgical signal to an electrosurgical end effector a robotically controlled surgical instrument. A feedback signal may be generated by the electrosurgical end effector and provided to a control logic. The control logic may be configured to determine a rate of change of the impedance of a target tissue based on the feedback signal received from the electrosurgical end effector. The control logic may be configured to control or modify the at least one electrosurgical signal such that the rate of change of impedance determined from the feedback signal is maintained at a predetermined rate or within a predetermined range.

No. of Pages : 121 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : HEAT EXCHANGE UNIT AND METHOD FOR MANUFACTURING A HEAT EXCHANGE UNIT :F28F1/22,F25D23/06 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)FAGOR S.COOP. :13382221.3 (32) Priority Date :10/06/2013 Address of Applicant :Barrio San Andres s/n ; Apdo. 213 E (33) Name of priority country 20500 Arrasate Mondragon Spain :EPO (86) International Application No :PCT/EP2014/061067 (72)Name of Inventor : Filing Date :28/05/2014 1)GARCIA MARTIN Mikel (87) International Publication No :WO 2014/198542 2)ARMENDARIZ HUICI Alain (61) Patent of Addition to Application **3)GARITANO ALUSTIZA Julen** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

In accordance with one aspect the present disclosure is directed toward a method for detecting arc faults on a power line. The method may include monitoring power signals associated with a power line and filtering the power signals to produce a high frequency signal and a low frequency signal. A mask signal may generated based on the low frequency signal, and the high frequency signal may be analyzed to extract a broadband portion of the high frequency signal. A fault counter may be incremented if the magnitude of the broadband portion is approximately greater than a first threshold level. A fault counter may be decremented if the magnitude of the broadband portion is approximately less than the first threshold level. A trip signal is provided to a switching device associated with the power line if the fault counter exceeds a predetermined fault limit.

No. of Pages : 14 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : RAMAN QUANTIFICATION METHOD OF CANCER RELATED SUBSTANCE

| (51) Internationalclassification(31) Priority Document No | :2013098608 | (71)Name of Applicant : 1)MYTECH CO. LTD. Address of Applicant :4652 4 Funatsu cho Himeji shi Hyogo |
|---|-----------------------------------|---|
| (32) Priority Date(33) Name of prioritycountry | | 6792101 Japan (72)Name of Inventor : 1)ITO Hiroaki |
| (86) International Application No Filing Date | :PCT/JP2014/062318 :08/05/2014 | 2)HASEGAWA, Yuki 3)HASEGAWA, Katsuyuki |
| (87) International Publication No | :WO 2014/181816 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This Raman quantification method is characterized by involving a step for preparing a biochip having a mesocrystal region of a silver oxide containing peroxide silver, adding blood serum or biological sample solution dropwise onto the mesocrystal region of said biochip, selectively adsorbing the cancer-related substance having a positive charge in the sample irradiating the adsorbed cancer-related substance with a laser and detecting Raman scattering therefrom wherein the cancer illness is determined on the basis of the intensity of the surface-enhanced Raman spectroscopy (SERS). In the carbon specific D band and G band in the Raman scattering spectrum a characteristic peak spectrum of the cancer-related substance can be detected in the proximity of the methyl group-characteristic 2900cm.

No. of Pages : 44 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : RESIN COMPOSITION OPTICAL COMPENSATION FILM EMPLOYING SAME AND PRODUCTION METHOD FOR SAME

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :C08L1/26,C08J5/18,C08L31/06 :2013121273 :07/06/2013 :Japan | (71)Name of Applicant : 1)TOSOH CORPORATION Address of Applicant :4560 Kaisei cho Shunan shi Yamaguchi 7468501 Japan |
|--|--|---|
| (86) International Application N | | (72)Name of Inventor : |
| Filing Date | :04/06/2014 | 1)ITO Masayasu |
| (87) International Publication No. | :WO 2014/196552 | 2)TOYOMASU Shinsuke |
| (61) Patent of Addition to Application Number | :NA :NA | 3)KITAGAWA Takahiro |
| Filing Date | .NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided are a resin composition characterized by containing 30-99 mass% of a cellulose resin represented by general formula (1) below and 70 1 mass% of a fumaric acid ester polymer containing 30 mol% or more of fumaric acid residue units represented by general formula (2) below; an optical compensation film employing the same; and a production method for an optical compensation film. (1) (2) (In the formulas Ri-R 3 represent C1-12 substituent groups, and R4 and R5 represent C1-12 alkyl groups.)

No. of Pages : 84 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :A01D45/10 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/820538 | 1)CNH INDUSTRIAL AMERICA LLC |
| (32) Priority Date | :07/05/2013 | Address of Applicant :500 Diller Ave. P.O. Box 1895 New |
| (33) Name of priority country | :U.S.A. | Holland PA 17557 U.S.A. |
| (86) International Application No | :PCT/US2014/037120 | (72)Name of Inventor : |
| Filing Date | :07/05/2014 | 1)VEIGA LEAL Jose |
| (87) International Publication No | :WO 2014/182796 | 2)PERES Andre |
| (61) Patent of Addition to Application | :NA | 3)BARRETTO Mauro |
| Number | | 4)KAMPHORST Jair |
| Filing Date | :NA | 5)BUTKEVICIUS Algirdas |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : SELF ADJUSTABLE ROTOR FOR SUGAR CANE HARVESTER

(57) Abstract :

A sugar cane harvester including a chassis for power directional movement across a field with a row dividing assembly feeding a base cutter that severs sugar cane stalks for delivery to a feed system. A rotor assembly is provided between the base cutter and the feed assembly with the rotor assembly being powered for rotation about an axis at right angles to the flow of sugar cane stalks through the harvester. The rotor assembly includes a pair of cylinders powered by a hydraulic motor with the cylinders having axially extending ribs and radially extending fingers for moving sugar cane in a downstream direction. The rotor assembly is connected to the harvester chassis by a linkage and supported by an actuator which is controlled by a hydraulic system to maintain a uniform and preselected downward pressure on sugar cane stalks as they move in a downstream direction through the harvester.

No. of Pages : 16 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : RECOMBINANT MICROORGANISMS EXHIBITING INCREASED FLUX THROUGH A FERMENTATION PATHWAY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/US2014/041188 :05/06/2014 | (71)Name of Applicant : 1)LANZATECH NEW ZEALAND LIMITED Address of Applicant :24 Balfour Road Parnell Auckland 1052 New Zealand (72)Name of Inventor : 1)KOPKE Michael 2)MUELLER Alexander Paul |
|---|-----------------------------------|---|
| 11 | | |

(57) Abstract :

The invention provides methods of increasing the production of fermentation products by increasing flux through a fermentation pathway by optimising enzymatic reactions. In particular the invention relates to identifying enzymes and/or co-factors involved in metabolic bottlenecks in fermentation pathways, and fermenting a CO-comprising substrate with a recombinant carboxydotrophic Clostridia microorganism adapted to exhibit increased activity of the one or more of said enzymes or increased availability of the one or more of said co-factors when compared to a parental microorganism.

No. of Pages : 88 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PURINE DIONES AS WNT PATHWAY MODULATORS

| (51) International classification (31) Priority Document No | :C07D473/08,C07D473/06,A61K31/52 o:1309333.1 | (71)Name of Applicant : 1)AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH |
|---|---|---|
| (32) Priority Date | :23/05/2013 | Address of Applicant :1 Fusionopolis Way #20 10 Connexis |
| (33) Name of priority country | :U.K. | Singapore 138632 Singapore (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/SG2014/000217 :19/05/2014 | 1)HO Soo Yei 2)BLANCHARD Stephanie Eliane 3)DURAISWAMY Athisayamani Jeyaraj |
| (87) International Publication No | :WO 2014/189466 | 4)ALAM Jenefer 5)ADSOOL Vikrant Arun |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to the use of compounds of general structure (I) in modulation of the Wnt pathway [Formula should be inserted here] wherein R1, R2, R3, R4 and R5 are each, independently, H or an alkyl group; D is selected from the group consisting of H halogen, alkyl, cycloalkyl, aryl, and dialkylamino each (other than H and halogen) being optionally substituted; Ar is an aryl or heteroaryl group, optionally substituted; Cy is an aryl, heteroaryl or a saturated ring containing at least one heteroatom, each being optionally substituted; and n is an integer from 1 to 3.

No. of Pages : 124 No. of Claims : 65

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR ADHESIVE BONDING BY MEANS OF HEAT ACTIVATABLE ADHESIVE COMPOUNDS

(57) Abstract :

The invention relates to a method for adhesively bonding two Substrates by means of an adhesive film that can be made to bond adhesively by being activated with heat, wherein - the adhesive film is not adhesive at room temperature, - in a first step the adhesive film is laminated in a heated State onto the first of the Substrates to be adhesively bonded, - after the lamination, the side of the adhesive film that is not in contact with the first Substrate to be adhesively bonded is initially exposed, in order to be able to be brought into contact with the second Substrate to be adhesively bonded, characterized in that - the adhesive film is activated by irradiating with electromagnetic radiation in the near infrared ränge (NIR), by heating to a temperature T above the lowest activation temperature TA, , and the adhesive bonding with the second Substrate to be adhesively bonded is brought about by means of the activation by the NIR radiation.

No. of Pages : 27 No. of Claims : 18

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DISK BRAKE FOR VEHICLE

| (51) International classification | :F16D65/097 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :2013121595 | 1)NISSIN KOGYO CO. LTD. |
| (32) Priority Date | :10/06/2013 | Address of Applicant :840 Kokubu Ueda shi Nagano 3868505 |
| (33) Name of priority country | :Japan | Japan |
| (86) International Application No | :PCT/JP2014/064841 | (72)Name of Inventor : |
| Filing Date | :04/06/2014 | 1)ASAHI Kenji |
| (87) International Publication No | :WO 2014/199881 | 2)NAOI Takashi |
| (61) Patent of Addition to Application | :NA | 3)YANAGISAWA Yoshihiro |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A disk brake for a vehicle such that the dragging of a friction pad is prevented while also suppressing the rattling of the friction pad and preventing the occurrence of a clunking noise wherein a retainer part (10a) of a pad retainer (10) is provided with an outside section (10g), a back section (10h), and an inside section (10f). A pad rebounding section (10c) is formed by inclining the leading end of a strip which extends in the disk rotor direction from the end of the inside section (10f) away from the disk rotor with an elastic loop section (10b) therebetween toward the outside in the radial direction of the disk. During travel, a gap (E1) is formed between the inside section (10f) and the strip of the pad rebounding section (10c) and when a lug piece (6b) moves inward in the radial direction of the disk, the pad rebounding section (10f) is pressed against an inside surface (3f) in the radial direction of the disk, the back section (10h) is elastically deformed so as to warp toward the lug piece and the elastically deformed back section (10h) presses the lug piece (6b) toward the center side of a caliper body (5).

No. of Pages : 30 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CATIONIC POLYMERIZATION PROCESS FOR THE SYNTHESIS OF NANO STRUCTURED POLYMERS CONTAINING GRAPHENE

(57) Abstract :

A cationic polymerization process for the synthesis of nano-structured polymers containing graphene which comprises reacting graphite oxide dispersed in a solvent by means of ultrasounds, with at least one vinyl monomer and at least one vinyl aromatic monomer, in the presence of at least one strong inorganic acid and suitable for activating a cationic polymerization, wherein:- said graphite oxide contains from 5% to 60% by weight of bound oxygen, -said vinyl monomer contains at least one carboxylic group wherein the ratio between oxygen bound to the oxide and carboxylic groups ranges from 1:10 to 10:1 in moles per mole and- the ratio between said vinyl aromatic monomer and the sum of the quantity of graphite oxide and vinyl monomer containing carboxylic groups ranges from 50% to 99% by weight.

No. of Pages : 37 No. of Claims : 18

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEMS AND METHODS FOR A MODULAR COOLER ASSEMBLY (51) International classification :F25D23/06 (71)Name of Applicant : (31) Priority Document No **1)THE COCA COLA COMPANY** :61/826243 (32) Priority Date Address of Applicant : Patents One Coca Cola Plaza NW :22/05/2013 (33) Name of priority country Atlanta Georgia 30313 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/035239 (72)Name of Inventor : 1)GODBOLE Vinayak S. Filing Date :24/04/2014 (87) International Publication No :WO 2014/189645 2)MEHTA Anish (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A modular cooler assembly (124) is disclosed herein. The modular cooler assembly is configured to house one or more beverage containers therein. The modular cooler assembly includes a number of panels (104,106,108). The panels are interconnected by way of a number of joints. At least one of the panels may be configured to be opened and closed.

No. of Pages : 52 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MISFIRE DETECTION SYSTEM FOR INTERNAL COMBUSTION ENGINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :F02D35/02,F02D41/14,G01M15/11 :2013119121 :05/06/2013 y:Japan :PCT/IB2014/000971 :05/06/2014 | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyota cho Toyota shi Aichi ken 471 8571 Japan (72)Name of Inventor : 1)AOYAMA Yukitoshi 2)HASEGAWA Ryo 2)WAMADA Tamograi |
|--|--|---|
| Filing Date (87) International Publicatior No | | 3)YAMADA Tomomi 4)MURASE Junichi 5)MIYOSHI Yuji |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A misfire detection system for an engine includes a crank angle sensor a misfire detection unit an acquisition unit and a correction unit. The misfire detection unit detects a misfire condition in the engine based on a misfire index. The misfire index is derived using a rotation speed of the crankshaft as a reference corresponded to a predetermined order of engine speed and has a correlation with an amount of variation in an angular velocity of the crankshaft such that a value of the misfire index varies in accordance with the amount of variation in the angular velocity. The acquisition unit obtains a parameter relating to a compression end pressure in a cylinder of the engine. The correction unit corrects the misfire index or a predetermined misfire detection parameter used together with the misfire index during misfire detection based on the parameter.

No. of Pages : 34 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MAGNET ASSEMBLIES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H01F7/02,G01R33/28,G01R33/3875 :61/830467 :03/06/2013 :U.S.A. :PCT/CA2014/000485 :02/06/2014 :WO 2014/194408 :NA :NA :NA | (71)Name of Applicant : 1)NANALYSIS CORP. Address of Applicant :Bay 4 4500 5 Street NE Calgary Alberta T2E 7C3 Canada (72)Name of Inventor : 1)LESKOWITZ Garett M. |
|---|--|---|
|---|--|---|

(57) Abstract :

There are disclosed magnet arrays and methods for generating magnetic fields. In embodiments magnet arrays comprise a plurality of polyhedral magnets arranged in a lattice configuration and at least partly enclosing a testing volume the magnet array having an associated magnetic field with a designated field direction formula (I) wherein the magnetization direction formule (II) of an individual polyhedral magnet located at a displacement vector formule(III) from an origin point in the testing volume is determined by the formula (IV). In embodiments the arrays are comprised in magnetic resonance machines. In embodiments the polyhedral magnets are truncated cubes or are rhombic dodecahedra.

No. of Pages : 66 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : USE OF NANOCRYSTALINE CELLULOSE AND POLYMER GRAFTED NANOCRYSTALINE CELLULOSE FOR INCREASING RETENTION IN PAPERMAKING PROCESS

| (51) International classification | :D21H21/20,D21H21/10 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :13/962556 | 1)ECOLAB USA INC. |
| (32) Priority Date | :08/08/2013 | Address of Applicant :370 N. Wabasha Street St. Paul MN |
| (33) Name of priority country | :U.S.A. | 55102 U.S.A. |
| (86) International Application No | :PCT/US2014/049614 | (72)Name of Inventor : |
| Filing Date | :04/08/2014 | 1)CASTRO David J. |
| (87) International Publication No | :WO 2015/020962 | 2)KARNATI Rangarani |
| (61) Patent of Addition to Application | :NA | 3)WILSON Shawnee M. |
| Number | :NA | 4)CHENG Weiguo |
| Filing Date | .114 | 5)LIU Mei |
| (62) Divisional to Application Number | :NA | 6)ZHANG Zhiyi |
| Filing Date | :NA | |

(57) Abstract :

The invention provides methods and compositions for improving the characteristics of paper substrates. The method involves adding to a paper substrate an NCC polymer. NCC polymers have unique chemical properties which result in improvements in wet strength dry strength and drainage retention properties of the paper substrates.

No. of Pages : 35 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :C08G75/23 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/820861 | 1)SOLVAY SPECIALTY POLYMERS USA LLC |
| (32) Priority Date | :08/05/2013 | Address of Applicant :4500 McGinnis Ferry Road Alpharetta |
| (33) Name of priority country | :U.S.A. | Georgia 30005 3914 U.S.A. |
| (86) International Application No | :PCT/EP2014/058805 | (72)Name of Inventor : |
| Filing Date | :30/04/2014 | 1)LOUIS Chantal |
| (87) International Publication No | :WO 2014/180726 | 2)EL HIBRI Mohammad Jamal |
| (61) Patent of Addition to Application | :NA | 3)THOMAS David B. |
| Number | :NA :NA | 4)PATEL Hemantkumar |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(54) Title of the invention : POLYARYLENE ETHER SULFONE (PAES) COMPOSITIONS

(57) Abstract :

A poly(arylether sulfone) polymeric material comprising polymer molecules wherein more than 50 % moles of the recurring units of said polymer molecules are recurring units (Rt) equal to or different from each other complying with formula (S) : E Ar S0 [Ar (T Ar) S0] Ar (formula S) wherein : n and m equal to or different from each other are independently zero or an integer of 1 to 5 each of Ar Ar and Ar equal to or different from each other and at each occurrence is an aromatic moiety T is a bond or a divalent group optionally comprising one or more than one heteroatom E is of formula (E) : wherein each of R equal to or different from each other is selected from the group consisting of halogen alkyl alkenyl alkynyl aryl ether thioether carboxylic

acid ester amide imide alkali or alkaline earth metal sulfonate alkyl sulfonate alkali or alkaline earth metal phosphonate alkyl phosphonate amine and quaternary ammonium; j is zero or is an integer from 1 to 4; and wherein the fraction of polymer molecules having a molecular weight of below 5 000 [% fraction M hereinafter] with respect to all the polymer molecules in said polymeric material is of at most 10 % weight and wherein said % fraction M is of at least [3.02 PDI] % when the polymeric material possesses a polydispersity index (PDI) of below 3.02.

No. of Pages : 56 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SANDAL SET OF A SANDAL AND STRIPS AND METHOD FOR FORMING A SANDAL :A43B3/10,A43B3/24 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)FLIPLOCKER B.V. :2006833 (32) Priority Date :23/05/2011 Address of Applicant :Karel Doormanlaan 1 NL 2111 XC (33) Name of priority country :Netherlands Aerdenhout Netherlands (86) International Application No :PCT/NL2012/050358 (72)Name of Inventor : Filing Date :23/05/2012 1)VEHMEIJER Stephan Bernard Willem (87) International Publication No :WO 2012/161576 2)VAN DER VECHT Arnaud Carel Hendrik (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Sandal comprising a sole and at least one strip comprising at least two ends for fitting over a part of a wearers foot. At least one end has an end portion fitting through an opening in the sole the strip extending substantially above the sole. A coupling element is provided fitted around and/or into at least part of said end portion which coupling element prevents the end portion from being pulled through the opening in the direction of the top side and can be removed and/or collapsed for passing the end portion through the opening and/or wherein the end portion is dimensioned such that in a first position the end portion can pass through the opening from the top side and in a second position cannot pass through said opening.

No. of Pages : 29 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND APPARATUS FOR INSTALLATION AND REPAIR OF PIPE SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | | (71)Name of Applicant : 1)TSC INNOVATION AB Address of Applicant :Industrivägen 22 S 901 33 Umeå Sweden (72)Name of Inventor : 1)GUNNARSSON Lars |
|--|-----------------|---|
| Filing Date (87) International Publication No | :WO 2014/182207 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This invention concerns a method for joining or repairing a pipe system (1) that comprises a least two pipes (2) made of weldable plastic material comprising fitting a sleeve (5) made of weldable plastic material the distance between the two pipes (2) the sleeve (5) having a length A that exceeds the distance B between the mutually opposing pipes (2) such as to overlap each pipe end (2a 2b) to a given extent C. The method has the working steps; placing an electrically conductive band (6) around one of the pipes (2) the band (6) having two ends (6a 6b); connecting the band ends (6a 6b)) to each other by placing the band ends (6a 6b) overlapping each other; fitting the sleeve (5) over and against the pipe (2) and the band (6) and applying an electric current to the band (6) over a given period of time thereby heating the band (6) to a determined temperature for a determined time and fusing the band (6) with the plastic surfaces of the pipe (2) and the sleeve (5) lying in abutment therewith to form a welding joint being fully executed around the pipe (2) and inside the sleeve (5). The invention also concerns an apparatus (12) to be used when working according to the method.

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

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :B65G1/04 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :TO2013A000452 | 1)ICAM S.R.L. |
| (32) Priority Date | :03/06/2013 | Address of Applicant :S.P. 237 delle Grotte Km. 17800 |
| (33) Name of priority country | :Italy | Putignano Italy |
| (86) International Application No | :PCT/IB2014/061918 | (72)Name of Inventor : |
| Filing Date | :03/06/2014 | 1)Roberto Bianco |
| (87) International Publication No | :WO 2014/195867 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1111 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : AUTOMATED WAREHOUSE SHUTTLE

(57) Abstract :

An automated warehouse shuttle (6) has a frame (25) and an upper surface (26) which is adapted to support a loading unit (3) and is actuated by an actuating device to be lifted/lowered with respect to the frame (25); the frame (25) supports a first set of wheels (31) consisting of wheels defining resting points at a first level and are configured so as to roll along a first and a second directions (5a 5b) which are horizontal and orthogonal to each other; furthermore the frame (25) supports a second set of wheels (41) constituted by wheels which define resting points at a second level higher than the first and are configured so as to roll along the first direction (5a).

No. of Pages : 20 No. of Claims : 4

(21) Application No.11026/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :23/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LOCKING FRONT SIGHT FOR A FIREARM AND FIREARM WITH LOCKING FRONT SIGHT

| (32) Priority Date:17/06/2011(33) Name of priority country:U.S.A.(86) International Application:PCT/US2012/042709No:15/06/2012 | (71)Name of Applicant : 1)COLT DEFENSE LLC Address of Applicant :547 New Park Avenue West Hartford Connecticut 06110 1336 U.S.A. (72)Name of Inventor : 1)LANGEVIN Kevin 2)JOSEY Michael A. |
|--|---|
|--|---|

(57) Abstract :

A front sight for a weapon the front sight having: a mounting block; a tower pivotally mounted to the mounting block for movement between a first position and a second position; a first locking mechanism comprising a plurality of spring biased members for retaining the tower in the first position and the second position the plurality of spring biased members being configured to allow movement of the tower between the first position and the second position in response to a force applied to the tower; and a second locking mechanism configured to lock the tower in the second position wherein the second locking mechanism must be manually released before the tower can be moved from the second position to the first position.

No. of Pages : 34 No. of Claims : 16

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PUNCHING APPARATUS

| (51) International classification | :B21D28/12,B21D28/24 | (71)Name of Applicant : |
|---|----------------------|---|
| (31) Priority Document No | :MO2013A000148 | 1)SALVAGNINI ITALIA S.P.A. |
| (32) Priority Date | :27/05/2013 | Address of Applicant : Via Ing. Guido Salvagnini 51 I 36040 |
| (33) Name of priority country | :Italy | Sarego (VI) Italy |
| (86) International Application No | :PCT/IB2014/061630 | (72)Name of Inventor : |
| Filing Date | :22/05/2014 | 1)MENEGHETTI Nicola |
| (87) International Publication No | :WO 2014/191877 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A punching apparatus comprises a beating element (2) that is arranged for interacting with at least one punching tool (30) and is movable inside containing means (3) along and around a work axis (A) a first rotating actuator (4) coupled by transmission means (10) to the beating element (2) for moving the latter linearly along the work axis (A) between an internal operating position (R) and an external operative position (T) and driving the punching tool (30) a second rotating actuator (5) connected to the beating element (2) and arranged for rotating the latter around the work axis (A) in particular for angularly orienting the punching tool (30); the second rotating actuator comprises a second electric motor (5) provided with a stator (51) fixed to the containing means (3) and a rotor (52) that is internal and coaxial with the stator (51) and connected to the beating element (2) in such a way as to rotate with the latter the rotor (52) extending along the work axis (A) in such a way as to face and be engaged with said stator (51) between the operating positions (R T) to rotate around the work axis (A) when the second electric motor (5) is operated.

No. of Pages : 19 No. of Claims : 30

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR RECOVERING AND IMPROVING PRODUCTION OF MESO LACTIDE FROM A CRUDE LACTIDE CONTAINING STREAM

| (51) International classification | :C07D319/12 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13166707.3 | 1)FUTERRO S.A. |
| (32) Priority Date | :06/05/2013 | Address of Applicant :Place dEscanaffles 23 B 7760 |
| (33) Name of priority country | :EPO | Escanaffles Belgium |
| (86) International Application No | :PCT/EP2014/059220 | (72)Name of Inventor : |
| Filing Date | :06/05/2014 | 1)COSZACH Philippe |
| (87) International Publication No | :WO 2014/180836 | 2)MIGNON Denis |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

The invention relates to a process for the recovery and production of meso lactide from a crude lactide containing stream which comprises the steps of: a. Subjecting a starting crude lactide stream to a first distillation step to obtain: a top stream mainly containing meso lactide a bottom stream and a side streammainly containing L lactide and meso lactide; b. Recovering the side stream and subjecting said stream to a melt crystallization step to obtain: a first purified stream mainly containing L lactide and a drain stream mainly containing meso lactide and L lactide; c.Recovering top stream issued from step (a) and drain stream issued from step (b); d. Subjecting top stream and drain stream to a second distillation step to obtain a second purified stream containing L lactide and meso lactide.

No. of Pages : 24 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SOLAR PANEL AND METHOD FOR MANUFACTURING SUCH A SOLAR PANEL

| (51) Internationalclassification(31) Priority Document No | :H01L31/0224,H01L31/05,H01L31/18 :2010766 | (71)Name of Applicant : 1)STICHTING ENERGIEONDERZOEK CENTRUM NEDERLAND |
|---|--|--|
| (32) Priority Date | :07/05/2013 | Address of Applicant :Westerduinweg 3 NL 1755 LE Petten |
| (33) Name of priority country | :Netherlands | Netherlands (72) Name of Inventor : |
| (86) International Application No Filing Date | :PCT/NL2014/050286 :05/05/2014 | 1)GORIS Maurice Joseph Anna Augustinus 2)EERENSTEIN Willemina 3)BENNETT Ian John |
| (87) International Publication No | :WO 2014/182165 | 4)van ROOSMALEN Johannes Adrianus Maria |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A solar panel is provided with a stack including at least one back contacted solar cell and a back sheet layer. The back sheet layer has a patterned conductive layer of a first material. The conductive layer is arranged with contacting areas each located at a location corresponding to a location of an electrical contact on the solar cell. The solar cell is arranged on top of the conductive layer with the rear surface of the solar cell facing the patterned conductive surface. Each electrical contact of the solar cell is in contact with a corresponding contacting area on the conductor circuit by a body of conductive connecting material. The conductive layer includes at the location of the contacting area a patch of a second material. Each patch is arranged in between the body of conductive connecting material on one electrical contact and the layer of the first material.

No. of Pages : 31 No. of Claims : 22

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : VEHICLE L | AMP | |
|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F21S8/12,F21Y101/02 :2013110915 :27/05/2013 :Japan :PCT/JP2014/063902 :27/05/2014 :WO 2014/192711 :NA :NA :NA :NA | (71)Name of Applicant : 1)KOITO MANUFACTURING CO. LTD. Address of Applicant :8 3 Takanawa 4 chome Minato ku Tokyo 1088711 Japan (72)Name of Inventor : 1)YAMAMOTO Ippei |

(57) Abstract :

In order to increase the center light intensity of a light distribution pattern while ensuring a sufficient irradiation light amount in a vehicle lamp in which a plurality of lamp units are disposed side by side in a direction crossing the longitudinal direction of the lamp a first additional reflector (34A) which reflects light from a second light emitting element (22B) forward is disposed near the front end edge (24A1) of a first reflector (24A).

No. of Pages : 47 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : OLIGOMERISATION OF ETHYLENE TO MIXTURES OF 1 HEXENE AND 1 OCTENE

(57) Abstract :

A process for the otigomerisation of ethylene to predominantly 1 hexene or 1 octene or mixtures of 1 hexene and 1 octene includes contacting ethylene with a catalyst under ethylene oligomerisation conditions. The catalyst comprises a source of chromium a diphosphine ligating compound and optionally an activator. The diphosphine ligating compound includes at least one optionally substituted fused cyclic structure including at least two rings the optionally substituted fused cyclic structure including a 5 to 7 membered aromatic first ring bonded to a phosphorus atom the aromatic first ring being fused to a 4 to 8 membered heterocyclic second ring including a heteroatom which is separated by two ring atoms along the shortest connecting path from the phosphorous atom that is bonded to the first aromatic ring.

No. of Pages : 60 No. of Claims : 15

(21) Application No.11061/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DIRECT METHOD OF PRODUCING FATTY ACID ESTERS FROM MICROBIAL BIOMASS

| (51) International classification(31) Priority Document No(32) Priority Date | :C11B1/10,C11C3/10,A23D9/02 :61/838944 :25/06/2013 | (71)Name of Applicant : 1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPLJ B.V. |
|---|--|---|
| (33) Name of priority country(86) International Application No. | :U.S.A. p:PCT/US2014/043561 | Address of Applicant :Carel van Bylandtlaan 30 NL 2596 The Hague Netherlands |
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :23/06/2014) :WO 2014/209830 :NA :NA | (72)Name of Inventor : 1)WANG Pen Chung 2)WEIDER Paul Richard 3)BLACKBOURN Robert Lawrence 4)ALISHUSKY Joseph James |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method of producing fatty acid esters in situ from microbial biomass such as algae is provided by treating microbial biomass with a solution containing an alcohol and at least one a hydroxysulfonic acid. Fatty acid ester can be directly recovered from the treated microbial biomass. The a hydroxysulfonic acid can be easily removed from the treated microbial biomass and recycled.

No. of Pages : 16 No. of Claims : 10

(21) Application No.11063/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SELF AUTHENTICATION DEVICE AND METHOD

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :PCT/SG2014/000215 :16/05/2014 | (71)Name of Applicant : 1)FAST AND SAFE TECHNOLOGY PRIVATE LIMITED Address of Applicant :9 Temasek Boulevard #09 01 Suntec Tower Two Singapore 038989 Singapore (72)Name of Inventor : 1)HSU Hsiang Ke Desmond |
|---|-----------------------------------|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A self authentication device and method. The self authentication device being for the user or owner of an electronic security device wherein the self authentication recovery device is separate from the security device and is configured for connecting to a computing device via a first communication link for authentication processing preferably for authentication and recovery processing.

No. of Pages : 23 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (87) International Publication No (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number (62) Divisional to Application Number (72) Name of I (71) Name of I (72) Name of I (71) Name of I (72) Name of I (71) Name of I <li< th=""><th>Inventor : Satoshi O Futoshi A Nobuyuki ORI Hironobu A Taro</th></li<> | Inventor : Satoshi O Futoshi A Nobuyuki ORI Hironobu A Taro |
|---|--|
| Filing Date :NA | |

(54) Title of the invention : PORTAL SITE COST DISTRIBUTION/RECOVERY SYSTEM

(57) Abstract :

Provided is a cost distribution/recovery system which is capable of aggregating usage fees (incentive) as distribution costs and performance based payments (affiliate) as distribution costs according to usage records. In a portal system (1) a plurality of vendor servers (2A 2B 2C) is connected to a user client terminal (3) via a network (4). A record collection system (41) converts usage records into numerical points designates an interval and aggregates a collection of records with an action plan unit (88) and extracts usage records with a usage record extraction unit (89). A recovery/distribution information analysis unit (90) analyzes the usage record information sorting same into recovery cost information and distribution cost information and stores same in a recovery cost information database (27) and a distribution cost information database (28).

No. of Pages : 54 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PORTAL SITE SYSTEM

| classification:G00Q50/10,G00Q50/04,G00Q50/06(31) Priority Document No:NA(32) Priority Date:NA | (71)Name of Applicant : 1)HITACHI SYSTEMS LTD. Address of Applicant :1 2 1 Osaki Shinagawa ku Tokyo 1418672 Japan (72)Name of Inventor : 1)OKUDA Satoshi 2)NAGANO Futoshi 3)AIHARA Nobuyuki 4)TAKAMORI Hironobu 5)TANAKA Taro 6)KUNIKI Tomoaki |
|---|---|
|---|---|

(57) Abstract :

An objective of the present invention is to allow simplifying a registration process billing processing and other procedures for individual provider vendors of various applications content and services. In a portal site system (1) a plurality of vendor servers (2A 2B 2C) is connected to a user client terminal (3) via a network (4) and a user is guided to applications content and services which each vendor provides. When the user selects an application content or a service the portal site system (1) executes a registration process with the vendor. A record collection system (41) analyzes a usage record at time of use and computes a cost to the vendor on the basis of the collected usage record.

No. of Pages : 52 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G06Q50/10 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :NA | 1)HITACHI SYSTEMS LTD. |
| (32) Priority Date | :NA | Address of Applicant :1 2 1 Osaki Shinagawa ku Tokyo |
| (33) Name of priority country | :NA | 1418672 Japan |
| (86) International Application No | :PCT/JP2013/065577 | (72)Name of Inventor : |
| Filing Date | :05/06/2013 | 1)OKUDA Satoshi |
| (87) International Publication No | :WO 2014/196031 | 2)NAGANO Futoshi |
| (61) Patent of Addition to Application | :NA | 3)AIHARA Nobuyuki |
| Number | | 4)TAKAMORI Hironobu |
| Filing Date | :NA | 5)TANAKA Taro |
| (62) Divisional to Application Number | :NA | 6)KUNIKI Tomoaki |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : PORTAL SITE USAGE RECORD COLLECTION SYSTEM

(57) Abstract :

An objective of the present invention is to allow analyzing history logs of various applications \hat{A} content \hat{A} and services \hat{A} and to allow computing costs for a vendor on the basis of usage records. In a portal system (1) \hat{A} a plurality of vendor servers (2A \hat{A} 2B \hat{A} 2C) is connected to a user client terminal (3) via a network (4). A record collection system (41) comprises a log acceptance unit (80) \hat{A} a log conversion unit (81) \hat{A} a log type analysis unit (82) \hat{A} a weighting unit (83) \hat{A} and a usage record storage unit (84). A usage log which is stored in a storage unit (81) \hat{A} the usage records converted into numerical points by the weighting unit (83) \hat{A} and the result stored in a usage record information database (23).

No. of Pages : 52 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING A CEMENT CLINKER SUBSTITUTE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :C04B7/13,C04B14/10 :10 2013 105 301.7 :23/05/2013 :Germany :PCT/EP2014/001284 | (71)Name of Applicant : 1)THYSSENKRUPP INDUSTRIAL SOLUTIONS AG Address of Applicant :ThyssenKrupp Allee 1 45143 Essen Germany (72)Name of Inventor : |
|--|--|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 3)BERGER Claudia |

(57) Abstract :

The invention relates to the production of a cement clinker substitute in which a) a starting material in the form of natural and/or synthetic zeolite containing puzzolan and/or clay is provided and b) said starting material is thermally treated to produce the cement clinker substitute in a temperature range of between 500 $1200\hat{A}^\circ C$ characterized in that c) prior to and/or during the thermal treatment of the starting material at least one liquid agent which reduces the inner surface of the cement clinker substitute is added.

No. of Pages : 13 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :B22D7/00, B22D9/00 | (71)Name of Applicant : 1)IKOI S.R.L. |
|---|---------------------------------|--|
| (31) Priority Document No | :VI2011A000076 | Address of Applicant : Via Monte Verena, 20, I-36022 San |
| (32) Priority Date | :01/04/2011 | Zeno Cassola (VI) - Italy Italy |
| (33) Name of priority country | :Italy | (72)Name of Inventor : |
| (86) International Application No | :PCT/EP2012/001377 | 1)GIOVANNI FAORO |
| Filing Date | :29/03/2012 | |
| (87) International Publication No | :WO/2012/130451 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filed on | :8119/DELNP/2013 :17/09/2013 | |
| | | |

(54) Title of the invention : MACHINE FOR FORMING METAL BARS

(57) Abstract :

Machine for forming metal bars, in particular for producing ingots made of precious metal such as gold, silver, precious alloys, as well as other pure metals or different alloys, comprising a melting station for melting the metal contained in at least one ingot mould, said machine being characterized in that each ingot mould comprises an accurate amount of metal, in the form of powder, grits or swarf of various sizes and a chemical additive, which creates a chemical reaction with the impurities contained in the metal; said chemical additive comprising any of Boric acid, Borax, Potassium Nitrates, Ammonium, Sodium, Lithium and Potassium and Sodium Chlorides.

No. of Pages : 9 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :03/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :B22D7/00, B22D9/00 :VI2011A000076 :01/04/2011 :Italy :PCT/EP2012/001377 :29/03/2012 :WO/2012/130451 | (71)Name of Applicant : 1)IKOI S.R.L. Address of Applicant :Via Monte Verena, 20, I-36022 San Zeno Cassola (VI) - Italy Italy (72)Name of Inventor : 1)GIOVANNI FAORO |
|---|---|--|
| | | I)GIUVANNI FAUKU |
| ε | | |
| | :WO/2012/130451 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :8119/DELNP/2013 | |
| Filed on | :17/09/2013 | |

(54) Title of the invention : "MACHINE FOR FORMING METAL BARS†•

(57) Abstract :

A machine for forming meta! bars, in particular for producing ingots made of precious metal such as gold, silver, precious alloys, as well as other pure metals or different alloys, having an ingot mould and a cover for closing said ingot mould when filled, the ingot mould has a dimension in height such that said cover passes from a first position to a second position when the volume occupied by the mass of metal that fill said ingot mould reduces gradually up to one third of the initiai solid volume; in said first position said cover rests on the metal that fill said ingot mold and remains raised with respect to the abutment of the edge of said ingot mould, in such a manner that the bottom of the cover compresses and thus uniformly compacts the powders, the grits or the swarf so that, during the melting step, in said second position, said cover lowers progressively as the metal melts, until it rests on said abutment, thus hermetically closing said ingot mould.

No. of Pages : 7 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS OF TREATING OR PREVENTING CHOLESTEROL RELATED DISORDERS

| (51) International classification | :A61K39/395,C07K16/40,A61P3/06 | (71)Name of Applicant : 1)AMGEN INC. |
|---|--------------------------------|---|
| (31) Priority Document No | :61/484610 | Address of Applicant : One Amgen Center Drive Thousand |
| (32) Priority Date | :10/05/2011 | Oaks California 91320 1799 U.S.A. |
| (33) Name of priority country | /:U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date | :10/05/2012 | 1)CHAN Joyce Chi Yee 2)GIBBS John P. 3)DIAS Clapton S. |
| (87) International Publication No | :WO 2012/154999 | 4)WASSERMAN Scott 5)SCOTT Robert Andrew Donald |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 6)CLOGSTON Christi L. 7)OSSLUND Timothy David 8)STEIN Evan A. |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to methods of treating or preventing cholesterol related disorders such as

hypercholesterolemia hyperlipidemia or dyslipidemia using antibodies against proprotein convertase subtilisin/kexin type 9 (PCSK9). Formulations and methods of producing said formulations are also described.

No. of Pages : 529 No. of Claims : 70

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LYSYL OXIDASE LIKE 2 ASSAY AND METHODS OF USE THEREOF

| (51) International classification | :C07K16/40 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/492210 | 1)GILEAD BIOLOGICS INC. |
| (32) Priority Date | :01/06/2011 | Address of Applicant :C/o Gilead Sciences Inc. 333 Lakeside |
| (33) Name of priority country | :U.S.A. | Drive Foster City CA 94404 U.S.A. |
| (86) International Application No | :PCT/US2012/040585 | (72)Name of Inventor : |
| Filing Date | :01/06/2012 | 1)SMITH Victoria |
| (87) International Publication No | :WO 2012/167181 | 2)ADAMKEWICZ Joanne I. |
| (61) Patent of Addition to Application | :NA | 3)LYMAN Susan K. |
| Number | :NA :NA | 4)CHIEN Jason |
| Filing Date | INA | 5)LI Xiaoming |
| (62) Divisional to Application Number | :NA | 6)SHAO Lixin |
| Filing Date | :NA | 7)BORNSTEIN Jeffrey D. |

(57) Abstract :

The present disclosure provides an assay to detect and/or quantify circulating lysyl oxidase like 2 (LOXL2) polypeptides in an individual. The assay is useful in diagnostic and prognostic applications which are also provided.

No. of Pages : 113 No. of Claims : 47

(22) Date of filing of Application :19/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : USE OF SMALL MOLECULES IN METHODS FOR PURIFICATION OF BIOMOLECULES

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | A61K39/395,A61P35/00 61/575376 19/08/2011 U.S.A. PCT/US2012/049501 03/08/2012 WO 2013/028334 NA NA NA | (71)Name of Applicant : EMD MILLIPORE CORPORATION Address of Applicant :290 Concord Road Billerica MA 01821 U.S.A. (72)Name of Inventor : 1)JABER Jad 2)MOYA Wilson 3)POTTY Ajish 4)DUPONT Alison 5)STONE Matthew T. 6)KOZLOV MikhaÃl |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention relates to novel and improved methods for the purification of biomolecules. In particular the present invention relates to methods of protein purification which employ small molecules which include al least one non polar group and at least one cationic group or which include at least one non polar group and at least one anionic group.

No. of Pages : 66 No. of Claims : 51

(21) Application No.11161/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F15/18 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/904963 | 1)PUREPREDICTIVE INC. |
| (32) Priority Date | :29/05/2013 | Address of Applicant :9100 South 500 West Sandy Utah |
| (33) Name of priority country | :U.S.A. | 84070 U.S.A. |
| (86) International Application No | :PCT/US2014/039861 | (72)Name of Inventor : |
| Filing Date | :28/05/2014 | 1)PHILLIPPS Kelly D. |
| (87) International Publication No | :WO 2014/194002 | 2)WELLMAN Richard W. |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .114 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(54) Title of the invention : MACHINE LEARNING GENERATED ACTION PLAN

(57) Abstract :

Apparatuses systems methods and computer program products are disclosed for a machine learning 222 generated action plan. A machine learning module 202 is configured to process different instances 126 of data using machine learning 222 to produce one or more results. The different instances 126 of data may comprise different values for one or more actionable features 128 130 132 134 136 138. A recommended action module 204 is configured to select one or more recommended actions 128 142 for achieving a goal 150 associated with the machine learning 222. The recommended action module 204 may select the one or more recommended actions 128 142 based on the one or more results. An action plan interface module 206 is configured to provide an action plan associated with the one or more recommended actions 128 142.

No. of Pages : 72 No. of Claims : 22

(21) Application No.11162/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F3/048 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/904963 | 1)PUREPREDICTIVE INC. |
| (32) Priority Date | :29/05/2013 | Address of Applicant :9100 South 500 West Sandy Utah |
| (33) Name of priority country | :U.S.A. | 84070 U.S.A. |
| (86) International Application No | :PCT/US2014/039859 | (72)Name of Inventor : |
| Filing Date | :28/05/2014 | 1)PHILLIPPS Kelly D. |
| (87) International Publication No | :WO 2014/194000 | 2)WELLMAN Richard W. |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : USER INTERFACE FOR MACHINE LEARNING

(57) Abstract :

Apparatuses systems methods and computer program products are disclosed for machine learning results. An input module (202) may receive user input identifying a value for a machine learning parameter. A display module (204) may display one or more machine learning results for the identified machine learning parameter in response to the input module (202) receiving the user input. An update module (206) may dynamically update the displayed one or more machine learning results in response to the input module (202) receiving additional user input identifying an additional value for the machine learning parameter. A pre-compute module (208) may predetermine permutations of the machine learning results prior to the input module (202) receiving the user input.

No. of Pages : 67 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITIONS AND METHODS FOR TREATING CONTROLLING REDUCING OR AMELIORATING INFLAMMATORY PAIN

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :PCT/US2012/038368 :17/05/2012 :WO 2012/170175 :NA :NA | (71)Name of Applicant : 1)BAUSCH & LOMB INCORPORATED Address of Applicant :One Bausch & Lomb Place Rochester NY 14604 2701 U.S.A. (72)Name of Inventor : 1)ZHANG Jinzhong 2)WARD Keith Wayne |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A composition for treating controlling reducing or ameliorating inflammatory pain comprises a dissociated glucocorticoid receptor agonist ("DIGRA") a prodrug thereof a pharmaceutically acceptable salt thereof or a pharmaceutically acceptable ester thereof. The composition can comprise an additional anti inflammatory agent and can be formulated for topical application injection or implantation. It may be used in a method of managing post surgical ocular pain such that it has lower risk of eliciting adverse side effects seen with other therapeutic agents.

No. of Pages : 187 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ARRAY OF DISPOSABLE ABSORBENT ARTICLES FOR FITTING BROAD RANGE OF WEARERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :61/837416 :20/06/2013 :U.S.A. :PCT/US2014/043221 :19/06/2014 :WO 2014/205241 :NA :NA :NA | (71)Name of Applicant : 1)THE PROCTER & GAMBLE COMPANY Address of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor : 1)SEITZ Bret Darren 2)LAVON Gary Dean |
|---|---|---|
| Filing Date | :NA | |

(57) Abstract :

An array of packages comprising three or more different sizes of absorbent articles the array comprising first second and third packages comprising first second and third absorbent article having first second and third sizes. The Array Elastic Modulus of the Belt of the first second and third package is from about 6 gf/mm to about 15 gf/mm. And the first second and third packages comprise the same brand name and sub brand name.

No. of Pages : 38 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : VIRTUAL SALESMAN | | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G06Q30/00 :2011/04734 :27/06/2011 :South Africa | (71)Name of Applicant : 1)CORE CULTURE MEDIA CC Address of Applicant :60 Platina Street Jukskei Park Johannesburg 2194 South Africa (72)Name of Inventor : 1)WALTON Richard Graham |

(57) Abstract :

The Virtual Salesman is the combination of avirtual mannequin which is a Plexiglass or any transparent material cut out that has a special projection foil stuck on the back which turns it into hi resolution projection screen. A pre recorded video of an actor/actress or animated character is then projected onto the cut out this creates a lifelike video image. There are speakers for sound either built into the kiosk or in the booth construction. The Virtual Salesman combines this to a touch screen kiosk or touchscreen with an interface having user selectable options each option having a moving image and or verbal command associated with the option selected on the touchscreen or touchscreen kiosk. The Virtual Salesman reacts to the option selected on the touchscreen or touchscreen kiosk through visual and verbal recordings on the cut out virtual mannequin.

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

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYMER COMPOSITIONS AND COATINGS FOR FOOD AND BEVERAGE PACKAGING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :16/05/2013 :U.S.A. :PCT/US2014/037692 :12/05/2014 :WO 2014/186285 :NA :NA | (71)Name of Applicant : 1)THE COCA COLA COMPANY Address of Applicant :Patents One Coca Cola Plaza NW Atlanta Georgia 30313 U.S.A. (72)Name of Inventor : 1)YOU Xiaorong 2)SHI Yu 3)LIU Linda Hsiaohua |
|---|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present disclosure relates to coatings and coating compositions that are substantially free of bisphenol A (BPA) and similar compounds which help reduce or minimize flavor loss associated with foods or beverages stored in contact with the coating compositions. In one aspect the composition can include the reaction products of an intimate mixture of cyclic ether resins and acrylate resins which provides a unique cross linked and interpenetrating network of polmers.

No. of Pages : 82 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ACCESS NETWORK SELECTION AND CONNECTION METHODS DEVICES AND COMPUTER PROGRAMS

| (51) International classification | :H04W48/18 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :NA | 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) |
| (32) Priority Date | :NA | Address of Applicant :S 164 83 Stockholm Sweden |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :PCT/EP2013/065892 | 1)GARCIA MARTIN Miguel Angel |
| Filing Date | :29/07/2013 | 2)MARTINEZ DE LA CRUZ Pablo |
| (87) International Publication No | :WO 2015/014383 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

In a telecommunication network a method is carried out for assisting a user terminal (100) in connecting to an access network. The user terminal (100) obtains (s20) information (50) i.e. "tag information" from an electronic tag or a visual tag. The user terminal (100) transmits (s40) to a network node hosting an access network discovery and selection function (ANDSF) i.e. to an "ANDSF node" (200) the tag information (50). The ANDSF node (200) then transmits (s60) to the user terminal (100) credentials (70) for allowing the user terminal (100) to connect to said access network. The invention also relates to methods carried out by a user terminal (100) to methods carried out by an ANDSF node (200) to user terminals (100) to ANDSF nodes (200) to computer programs and to computer program products for assisting user terminals (100) in connecting to an access network.

No. of Pages : 46 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTIBODY SN 38 IMMUNOCONJUGATES WITH A CL2A LINKER

| classification (31) Priority Document No :13/948732 | (71)Name of Applicant : 1)IMMUNOMEDICS INC. Address of Applicant :300 American Road Morris Plains New Jersey 07950 U.S.A. (72)Name of Inventor : 1)GOVINDAN Serengulam V. 2)GALE Jonathan B. 3)HOLMAN Nicholas J. 4)GOLDENBERG David M. |
|--|---|
|--|---|

(57) Abstract :

The present invention concerns improved methods and compositions for preparing SN 38 conjugates of proteins or peptides preferably immunoconjugates of antibodies or antigen binding antibody fragments. More preferably the SN 38 is attached to the antibody or antibody fragment using a CL2A linker with 1 12 more preferably 6 or less most preferably 1 5 SN 38 moieties per antibody or antibody fragment. Most preferably the immunoconjugate is prepared in large scale batches with various modifications to the reaction scheme to optimize yield and recovery in large scale. Other embodiments concern optimized dosages and/or schedules of administration of immunoconjugate to maximize efficacy for disease treatment and minimize side effects of administration.

No. of Pages : 209 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :05/11/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PLANTS HAVING ONE OR MORE ENHANCED YIELD-RELATED TRAITS AND A METHOD FOR MAKING THE SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :C12N15/29,C12N15/63,C07K14/415 :13167068.9 :08/05/2013 :EPO | (71)Name of Applicant : 1)BASF PLANT SCIENCE COMPANY GMBH Address of Applicant :67056 Ludwigshafen Germany (72)Name of Inventor : 1)VANDENABEELE Steven |
|---|---|--|
| (86) International Application No Filing Date | :PCT/IB2014/061082 :29/04/2014 | |
| (87) International Publication No | :WO 2014/181216 | |
| (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 relates generally to the field of molecular biology and concerns a method for enhancing various economically important yield-related traits in plants. More specifically, the present invention concerns a method for enhancing one or more yieldrelated traits in plants by modulating expression in a plant of a nucleic acid encoding a POI (Protein Of Interest) polypeptide.

No. of Pages : 114 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :06/01/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :H04W12/12 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :201410347054.5 | 1)XIAOMI INC. |
| (32) Priority Date | :21/07/2014 | Address of Applicant :Floor 13 Rainbow City Shopping Mall? |
| (33) Name of priority country | :China | of China Resources No. 68 Qinghe Middle Street Haidian District |
| (86) International Application No | :PCT/CN2014/091543 | Beijing 100085 China |
| Filing Date | :19/11/2014 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2016/011740 | 1)LIU Yuxiang |
| (61) Patent of Addition to Application | . NT A | 2)BAI Zhiyong |
| Number | :NA | 3)QIAO Zhongliang |
| Filing Date | :NA | 4)WANG Botian |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : TELEPHONE CALL IDENTIFICATION METHOD AND APPARATUS

(57) Abstract :

Provided are a telephone call identification method and apparatus which belong to the field of communications. The method comprises: when a telephone calling party calls a telephone number of a first telephone device judging whether a second telephone device of a unit to which a telephone number of the telephone calling party belongs is calling the telephone number of the first telephone device (101) a telephone number of the second telephone device being the telephone number of the telephone calling party; and when the second telephone device does not call the telephone number of the first telephone device outputting prompting information (102) the prompting information being used for indicating that the telephone call of the telephone calling party is a telephone call of a camouflaged number. The apparatus comprises a first judgement module and an output module. The present invention can correctly identify whether a telephone call is a telephone call of a camouflaged number or not and conduct prompting to prevent a telephone called party from being cheated. The identification method is suitable for the recognition of all telephone numbers.

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

(21) Application No.11170/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C09D11/00,B41M3/00 :61/834 201 :12/06/2013 :U.S.A. :PCT/EP2014/060940 :27/05/2014 :WO 2014/198530 :NA :NA :NA :NA | (71)Name of Applicant : 1)SICPA HOLDING SA Address of Applicant :Avenue de Florissant 41 CH 1008 Prilly Switzerland (72)Name of Inventor : 1)GAZAWAY Toni Lee 2)CLASSICK Tom 3)VEREEN John 4)LIEU Hau |
|---|--|---|
| Filing Date | :INA | |

(54) Title of the invention : HEAT SENSITIVE TAMPER INDICATING MARKINGS

(57) Abstract :

The present invention relates to the field of heat sensitive optically variable inks and tamper indicating markings obtained thereof. The present invention relates to the field of irreversible changes in color and/or changes in structure upon a tampering attempt against articles or items comprising said tamper indicating markings through the use of temperature variation. In particular the present invention provides optically variable ink compositions comprising a plurality of optically variable pigment particles and a plurality of thermally expandable spheres; tamper indicating marking comprising the optically variable ink compositions described herein; their uses as a proof of an illegal action as well as methods for detecting a tampering activity of a marking including the optically variable ink composition described herein.

No. of Pages : 27 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ENGINE CONTROL DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date Filing Date | Y :NA PCT/JP2013/065925 :10/06/2013 :WO 2014/199425 :NA :NA | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor : 1)IWATA Kazuyasu 2)YAMASHITA Akira |
|---|--|---|
|---|--|---|

(57) Abstract :

In a control device for an engine provided with a supercharger parameters that are used for controlling the heat release rate barycentric position determined by the heat release rate which is the amount of heat generated by the combustion of fuel per unit crank angle are used depending on the engine and the drive state of a vehicle on which the engine is mounted. Specifically if the heat release rate barycentric position is toward the delay angle side relative to a predetermined crank angle the supercharging pressure of the supercharger is increased when the rotational speed of the engine and the speed of the vehicle on which the engine is mounted are lower than predetermined reference values and the fuel injection pressure is increased and/or the fuel injection timing is advanced when the rotational speed of the vehicle on which the engine is mounted are equal to or greater than the predetermined reference values. As a consequence it is possible to improve fuel efficiency by maintaining the heat release rate barycentric position to a predetermined constant value regardless of the engine load and/or the engine rotational speed while preventing the increase in vibrations and noise which are unpleasant to a user.

No. of Pages : 75 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PREPARATION OF TERT BUTYL 4 ((1R 2S 5R) 6 (BENZYLOXY) 7 0X0 1 6 DIAZABICYCL0[3.2.I]OCTANE 2 CARBOXAMIDO)PIPERIDINE 1 CARBOXYLATE

| (51) International classification | :C07D491/02,C07D211/00 | (71)Name of Applicant : |
|--|------------------------|--|
| (31) Priority Document No | :61/833108 | 1)MERCK SHARP & DOHME CORP. |
| (32) Priority Date | :10/06/2013 | Address of Applicant :126 East Lincoln Avenue Rahway New |
| (33) Name of priority country | :U.S.A. | Jersey 07065 0907 U.S.A. |
| (86) International Application No | :PCT/US2014/040983 | (72)Name of Inventor : |
| Filing Date | :05/06/2014 | 1)MILLER Steven P. |
| (87) International Publication No | :WO 2014/200786 | 2)LIMANTO John |
| (61) Patent of Addition to Application | :NA | 3)ZHONG Yong Li |
| Number | :NA | 4)YASUDA Nobuyoshi |
| Filing Date | | 5)LIU Zhijian |
| (62) Divisional to Application Number | ::NA | |
| Filing Date | :NA | |

(57) Abstract :

A process for the preparation of N-protected 6-(piperidin-4-ylcarbamoyl)piperidin-3-yl sulfonates of Formula (III): which comprises contacting a lactone of Formula (II): with an azacycloalkylamine of formula (II-Am): followed by contact with a sulfonyl halide of formula (II-Su): R4-S02W (II-Su) in the presence of tertiary amine base, wherein PGl and PŰ2 are amine protective groups; k, p and q are 0, 1, or 2, and W, R2, R3, R4, R5, R6, R7, R8, and R9 are defined herein. Additional embodiments add a series of process steps leading to the synthesis of 7-oxo-1,6-diazabicyclo[3.2.1]octanes suitable for use as piactamase inhibitors.

No. of Pages : 40 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : BONE DEFECT FILLING MATERIAL AND PRODUCTION METHOD THEREFOR :A61L27/00 (71)Name of Applicant : (51) International classification 1)NATIONAL UNIVERSITY CORPORATION NAGOYA (31) Priority Document No :61/844305 (32) Priority Date :09/07/2013 INSTITUTE OF TECHNOLOGY (33) Name of priority country :U.S.A. Address of Applicant :29 Aza Kiichi Gokiso cho Showa ku (86) International Application No :PCT/JP2014/067742 Nagoya shi Aichi 4660061 Japan Filing Date :03/07/2014 2)ORTHOREBIRTH CO.LTD. (87) International Publication No :WO 2015/005205 (72)Name of Inventor : (61) Patent of Addition to Application 1)KASUGA Toshihiro :NA Number 2)MAKITA Masashi :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Rebuilding a bone with a defect by activation of the innate self regeneration ability of the bone requires a considerably long period of time. The purpose of the present invention is to provide a bone defect filling material that initiates a bone rebuilding action as quickly as possible following implantation and that afterward remains in the defect and continues acting to promote bone formation activity until sufficient bone formation has been achieved for the rebuilding of the defect. The present invention provides a cotton like bone defect filling material comprising biodegradable fibers produced by electrospinning wherein the biodegradable fibers contain 40 60 wt% of calcium phosphate particles and 10 wt% or more of silicon eluting calcium carbonate particles with the remainder containing 30 wt% or more of poly(L lactic acid) resin and the amount of the poly(L lactic acid) resin that is non crystalline is 75 98%.

No. of Pages : 60 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : BIPYRAZOLE DERIVATIVES AS JAK INHIBITORS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition t Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D403/14,A61K31/4155,A61P37/00 :61/824683 :17/05/2013 :U.S.A. :PCT/US2014/038388 :16/05/2014 :WO 2014/186706 ^o :NA :NA :NA | (71)Name of Applicant : 1)INCYTE CORPORATION Address of Applicant :Experimental Station Route 141 & Henry Clay Road Building E336/207 Wilmington Delaware 19880 U.S.A. (72)Name of Inventor : 1)LI Yun Long 2)ZHUO Jincong 3)QIAN Ding Quan 4)MEI Song 5)CAO Ganfeng 6)PAN Yongchun 7)LI Qun 8)JIA Zhongjiang |
|---|---|--|
|---|---|--|

(57) Abstract :

The present invention provides compounds of Formula I: or pharmaceutically acceptable salts thereof as well as their compositions and methods of use that inhibit the activity of Janus kinase (JAK) and are useful in the treatment of diseases related to the activity of JAK including for example inflammatory disorders autoimmune disorders cancer and other diseases.

No. of Pages : 145 No. of Claims : 60

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE MANUFACTURE OF EPOXY MONOMERS AND EPOXIDES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA | (71)Name of Applicant : 1)SPOLEK PRO CHEMICKOU A HUTNI VYROBU AKCIOVA SPOLECNOST Address of Applicant :Revolucni 86 400 32 Usti nad Labem Czech Republic (72)Name of Inventor : 1)KUBICEK Pavel 2)NEMECEK Bedrich 3)SLADEK Petr |
|---|------------|--|
| Filing Date | :NA | |

(57) Abstract :

A process for manufacturing epoxy monomers and/or epoxides in high yields and useful quality and chemical stability by dehydrochlorination of the corresponding chlorohydrins with an alkaline agent producing the corresponding side product dry salt in a high purity characterized in that the process comprises the following steps: a. Reaction of the chlorohydrins with the alkaline agent to form corresponding epoxides and the corresponding precipitated chloride salt; b. Dehydration and optionally completing the reaction of the reaction mixture of step (a) by use of an azeotropic agent added to step (b) or generated in situ in step (a) resulting in the producing of a dehydrated reaction mixture; c. Separating the resulting chloride salt by filtration from the dehydrated reaction mixture (b) and d. Isolating the epoxide from the filtered liquid fraction.

No. of Pages : 91 No. of Claims : 43

(21) Application No.11176/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :F16H1/14,F16H55/20 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :1020130063222 | 1)SONG Kil Bong |
| (32) Priority Date | :03/06/2013 | Address of Applicant :B1 130 SK Twin Tower 119 Gasan |
| (33) Name of priority country | :Republic of Korea | Digital 1 Ro Guemcheon gu Seoul 153 773 Republic of Korea |
| (86) International Application No | :PCT/KR2014/004562 | (72)Name of Inventor : |
| Filing Date | :22/05/2014 | 1)SONG Kil Bong |
| (87) International Publication No | :WO 2014/196751 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : DOUBLE CROSS CONNECTING GEAR DEVICE

(57) Abstract :

The present invention relates to a method for coupling rotary shafts for power transmission by gear coupling. In the case of conventional gear couplings a rotary shaft transmitting power always receives a biased torque which may cause bearing abrasion and power loss. The purpose of the present invention is to transmit power from one rotary shaft to another rotary shaft with an unbiased torque. A disc type hollow gear has gear teeth on both sides thereof and a pair of insertion gears of a so called bevel gear type are gear coupled into a central hole of the disc type hollow gear in such a manner that the insertion gears are symmetrical with each other with respect to an insertion hole. The disc type hollow gear i.e. a double sided hole gear secures the space of the insertion gears to be inserted into the hole of the double sided hole gear are divided into an inner coupling gear and an outer coupling gear and rotate while being engaged with the double sided hole gear. The present invention enables the torque of one rotary shaft to be transmitted to another rotary shaft without undue friction thereby minimizing abrasion of a machine without power loss.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE EXTRACTION FROM BAUXITE FROM RED MUD RESULTING FROM THE PROCESSING OF BAUXITE AND FROM CHEMICALLY SIMILAR MATERIALS OF PRODUCTS OF INDUSTRIAL INTEREST SEPARATED FROM EACH OTHER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :28/06/2013 :Italy :PCT/IT2014/000170 :25/06/2014 :WO 2014/207778 :NA :NA :NA | (71)Name of Applicant : 1)ECOTEC GESTIONE IMPIANTI S.R.L. Address of Applicant :Via Montegrappa 133 I 96100 Siracusa (SR) Italy 2)ECOTEC RISORSE S.R.L. (72)Name of Inventor : 1)IMERITO Aldo 2)ORRU Ricardo 3)RAGONA Mario 4)PISU Massimo 5)DENOTTI Carla |
|--|--|---|
| Filing Date | :NA | |

(57) Abstract :

The subject of the invention is a process for the extraction from bauxite from red mud resulting from the processing of bauxite and from chemically similar materials of products of industrial interest like sodium iron gallium aluminum titanium and silicon separated from each other in chloride form. The process involves the melting of the to be treated material and the blowing in the melted bath of chlorine or chlorine in situ generating compounds and the controlled cooling of the gaseous flow exiting from the melted bath for the selective condensation of chlorides of the elements of interest. The figure shows a block diagram of a particular embodiment wherein the melting is carried out in a transferred arc plasma reactor.

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

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SELECTIVE LASER SOLIDIFICATION APPARATUS AND METHOD

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B29C67/00,B22F3/105 :1310276.9 :10/06/2013 :U.K. :PCT/GB2014/051775 :10/06/2014 :WO 2014/199134 :NA :NA :NA :NA | (71)Name of Applicant : RENISHAW PLC Address of Applicant :New Mills Wotton under Edge Gloucestershire GL12 8JR U.K. (72)Name of Inventor : FERRAR Ben Ian BROWN Ceri |
|---|--|---|
|---|--|---|

(57) Abstract :

Selective laser solidification apparatus comprising; a powder bed (104 304) onto which powder layers can be deposited at least one laser module (1 2 3 4) for generating a plurality of laser beams for solidifying the powder material deposited onto the powder bed (104 304) a laser scanner (106a 106b 106c 106d 306a 306b 306c 306d 306e) for individually steering each laser beam to solidify separate areas in each powder layer (104 304) and a processing unit (131). A scanning zone

(la 2a 3a 4a 201a 201b 201c 201d 301a 301b 301c 301d 301e) for each laser beam is defined by the locations on the powder bed (104) to which the laser beam can be steered by the laser scanner (106a 106b 106c 106d 306a 306b 306c 306d 306e). The laser scanner (106a 106b 106c 106d 306a 306b 306c 306d 306e) is arranged such that each scanning zone

la 2a 3a 4a 201a 201b 201c 201d 301a 301b 301c 301d 301e) is less than the total area of the powder bed 104 and at least two of the scanning zones la 2a 3a 4a 201a 201b 201c 201d 301a 301b 301c 301d 301e) overlap. The processing unit (131) is arranged for selecting for at least one of the powder layers which laser beam to use to scan an area of the powder layer located within a region in which the scanning zones (la 2a 3a 4a 201a 201b 201c 201d 301a 301b 301c 301d 301e) overlap.

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

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : "SQUEEZING DEVICE FUEL PELLET MANUFACTURING FACILITY AND SQUEEZING METHOD"

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :26/06/2014 :WO 2014/208669 :NA :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMIKIN ENGINEERING CO. LTD. Address of Applicant :5 1 Osaki 1 chome Shinagawa ku Tokyo 1418604 Japan (72)Name of Inventor : 1)IKEZAKI Toru 2)KOGA Ryuuji 3)NISHI Takeshi 4)YOSHIDA Masayoshi 5)TAKEMARU Hiroshi |
|--|--|---|
| 11 | :NA :NA :NA | • |

(57) Abstract :

The present invention is provided with: an inscribed roll (3) which is rotatably disposed; a rotatable ring roll (2) which is disposed such that the inscribed roll (3) is disposed in a space portion formed therein and the roll center to roll center distance from the inscribed roll (3) is variable; an inscribe roll rotation means which rotates the inscribed roll (3); a pressing roll (4) which is disposed outside the ring roll (2) and presses the outer peripheral surface of the ring roll (2); an adjustment means (33A) which relatively moves the inscribed roll (3) and the pressing roll (4) in a direction in which the rolls move toward or away from each other to thereby adjust the center to center distance between the rotation center of the inscribed roll (3) and the rotation center of the pressing roll (4); and a ring roll rotation means which rotates the ring roll (2). An object to be squeezed that has been put in the space portion of the ring roll (2) is directly squeezed by the inner peripheral surface of the ring roll (2) and the outer peripheral surface of the inscribed roll (3) between the inner peripheral surface of the ring roll (2) and the outer peripheral surface of the inscribed roll (3).

No. of Pages : 84 No. of Claims : 15

(21) Application No.11200/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :B21F1/02,D07B1/06 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :CN201310321016.8 | 1)NV BEKAERT SA |
| (32) Priority Date | :29/07/2013 | Address of Applicant :Bekaertstraat 2 B 8550 Zwevegem |
| (33) Name of priority country | :China | Belgium |
| (86) International Application No | :PCT/EP2014/059757 | (72)Name of Inventor : |
| Filing Date | :13/05/2014 | 1)ZHANG Aijun |
| (87) International Publication No | :WO 2015/014510 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .11/1 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(54) Title of the invention : STRAIGHT STEEL MONOFILAMENT FOR A BELT PLY

(57) Abstract :

A straight steel monofilament (10 42) for the reinforcement of belt ply (40) of a pneumatic tyre wherein the straightness is determined by the arc height of the straight steel monofilament (10 42). The steel monofilament (10 42) is plastically deformed by a twisting action along the axis of the steel monofilament (10) on a double twist apparatus (2). The plastic twist deformation eliminates the surface stress difference on the steel monofilament (10 42) and provides a straight steel monofilament (10 42) having an arc height of less than 30 mm.. By these means a simple solution is provided to manufacture a straight steel monofilament (10 42) suitable for tire reinforcement with high speed for mass production by using a known apparatus (2).

No. of Pages : 28 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND MEANS FOR COMPLEX UNIVERSAL EARTH FAULT PROTECTION IN POWER HIGH AND MEDIUM VOLTAGE SYSTEM

| (51) International classification | :H02H3/16,H02H3/33 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13002965.5 | 1)ABB TECHNOLOGY AG |
| (32) Priority Date | :10/06/2013 | Address of Applicant : Affolternstraße 44 8050 Zurich |
| (33) Name of priority country | :EPO | Switzerland |
| (86) International Application No | :PCT/EP2014/001534 | (72)Name of Inventor : |
| Filing Date | :05/06/2014 | 1)KALINA Emil |
| (87) International Publication No | :WO 2014/198396 | 2)PROKOP Vaclav |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(57) Abstract :

The Invention relates to a method and means for earth fault in power high and/or medium voltage system according to the preamble of claim 1 and 8. In order to enhance a protection system for special technical task which is to measure residual current the invention is that for earth fault protection in power system or a part of power system for example but not limited to cable connectors whiches residual current is determined indirectly by the calculation from the phase current values obtained from the output signals of Rogowski coil based current sensors.

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

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :F16D7/02 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/882856 | 1)AEROTORQUE CORPORATION |
| (32) Priority Date | :26/09/2013 | Address of Applicant :1441 Wolf Creek Trail Sharon Center |
| (33) Name of priority country | :U.S.A. | Ohio 44274 U.S.A. |
| (86) International Application No | :PCT/US2014/057590 | (72)Name of Inventor : |
| Filing Date | :26/09/2014 | 1)HEIDENREICH David C. |
| (87) International Publication No | :WO 2015/048372 | 2)COLE JR. Richard E. |
| (61) Patent of Addition to Application | :NA | 3)SADLER Dustin J. |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : WIND TURBINE COUPLING TO MITIGATE TORQUE REVERSALS

(57) Abstract :

A wind turbine power generating system including a wind turbine connected to a speed increasing gearbox having an output shaft. An electrical generator having an input shaft is also provided. A coupling interconnects the input and output shafts. The coupling includes a high torsional wind up and/or displacement ability in parallel with a high frictional slip ability such that during normal operation there is little or no frictional slippage and during a transient torque reversal the loads in the turbine drive system are decreased thus decreasing the impact loads on the gearbox bearings.

No. of Pages : 30 No. of Claims : 40

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : HIGH PURITY STEVIOL GLYCOSIDES (51) International classification :C07H1/06,C12N9/10,C12P19/56 (71)Name of Applicant : (31) Priority Document No **1)PURECIRCLE SDN BHD** :61/827922 (32) Priority Date :28/05/2013 Address of Applicant :PT 23419 Lengkuk Teknologi 71760 (33) Name of priority country Bandar Enstek Negeri Sembilian 578803 K Malaysia :U.S.A. 2)THE COCA COLA COMPANY (86) International Application :PCT/US2014/039666 (72)Name of Inventor : No :28/05/2014 Filing Date 1)MARKOSYAN Avetik (87) International Publication 2)PRAKASH Indra :WO 2014/193888 No **3)BUNDERS Cynthia** (61) Patent of Addition to 4)SONI Pankaj :NA Application Number **5)CYRILLE Jarrin** :NA Filing Date 6)BADIE Aurélien (62) Divisional to Application 7)TER HALLE Robert :NA Number :NA Filing Date

(57) Abstract :

Methods of preparing highly purified steviol glycosides particularly rebaudiosides and are described. The methods include utilizing recombinant microorganisms for converting various staring compositions to target steviol glycosides. In addition novel steviol glycosides reb and reb are disclosed as are methods of preparing the same. The highly purified rebaudiosides are useful as non caloric sweetener in edible and chewable compositions such as any beverages confectioneries bakery products cookies and chewing gums.

No. of Pages : 239 No. of Claims : 43

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SINGLE AXIS SOLAR TRACKING SYSTEM (51) International classification :F24J2/54,A47F5/01,F16L19/02 (71)Name of Applicant : (31) Priority Document No 1)ARRAY TECHNOLOGIES PATENT HOLDING CO. :13/895117 (32) Priority Date :15/05/2013 LLC (33) Name of priority country :U.S.A. Address of Applicant :3901 Midway Place NE Albuquerque (86) International Application No :PCT/US2014/033762 NM 87109 U.S.A. Filing Date (72)Name of Inventor: :11/04/2014 (87) International Publication No :WO 2014/186079 1)CORIO Ronald P. (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A solar tracking system with a plurality of tracking assemblies (12) moved by a single motor (14). A method and system that prevents overloading the motor or tripping a circuit breaker due to an obstructed or impeded tracker includes sensing movement (162) of the tracker assemblies (12) and entering into obstruction clearing modes. Obstruction clearing mode 1 (OCM1) (168) is a high frequency adjustable mode that prompts movement for an adjustable period of time. If movement commences the system returns to a normal mode. If there is no movement the system enters into an obstruction clearing mode 2 (OCM2) (176) with is an adjustable lower frequency series of attempts. If there is no movement no further attempts are made. Each of these steps are monitored and controlled remotely. There are two types of secure connections for drivelines torque tubes (16 110 220) or affixing driveline linkages (130) for high torque conditions.

No. of Pages : 52 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :13/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPOOLING MACHINE (51) International classification :F16B7/14,B65H54/02,D07B7/10 (71)Name of Applicant : 1)MAILLEFER S.A. (31) Priority Document No :20115809 Address of Applicant : Av. du Tir Fédéral 44 CH 1024 (32) Priority Date :19/08/2011 (33) Name of priority country Ecublens Switzerland :Finland (86) International Application (72)Name of Inventor: :PCT/FI2012/050782 No 1)MÃ,,KELÃ,, Kari :13/08/2012 Filing Date (87) International Publication :WO 2013/026955 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The invention relates to Spooling machine comprising two side frames (1) spaced at a horizontal distance by a telescopic spacer beam (2) each frame (1) having a pintle on supports forbearing a drum for cable pipe or hose the telescopic spacer beam (2) comprising at least one outer tube (3) and at least one inner tube (4) which are slidably and telescopically one inside the other and a locking device positioned between the outer tube(3) and the inner tube (4) for locking the outer and inner tube in adjustable position. The locking device comprises a split part (6) of the inner tube (4) extending over a part of the length of the inner tube and dividing the inner tube into sections (7 8) and a force element (9) for creating a swelling force on the split part (6) of the inner tube to press the sections (7 8) against the inner surface of the outer tube (3).

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

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : GROUPED NANOSTRUCTURED UNITS SYSTEM FORMING A METAMATERIAL WITHIN THE SILICON AND THE MANUFACTURING PROCESS TO FORM AND ARRANGE THEM THEREIN

| (51) International classification (31) Priority Documen No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :01/855342 :14/05/2013 :U.S.A. :PCT/IB2014/002019 :13/05/2014 :WO 2014/203081 | (71)Name of Applicant : 1)SEGTON ADVANCED TECHNOLOGY SAS Address of Applicant :31 av. Maréchal Douglas Haig F 78000 Versailles France (72)Name of Inventor : 1)KUZNICKI Zbigniew 2)MEYRUEIS Patrick |
|--|--|---|
|--|--|---|

(57) Abstract :

This invention concerns a grouped nanostmctured unit system forming a metamaterial within the silicon and the manufacturing process to arrange them therein in an optimal manner. The nanostmctured units are grouped and conditioned in an optimal arrangement inside the silicon material. The process comprises the modification of the elementary crystal unit together with the stress field the electric field and a heavy impurity doping in order to form a superlattice of nanostmctured units grouped in an optimal arrangement so as to improve the efficiency of the light to electricity conversion by means of efficient use of the kinetic energy of hot electrons and efficient collection of all electrons generated within the converter.

No. of Pages : 39 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR HIGH TEMPERATURE REMOVAL OF TRACE CHLORIDE CONTAMINANTS IN A CATALYTIC DEHYDROGENATION PROCESS

| (51) International classification | :C07C7/12,C07C7/13,C07C7/20 | (71)Name of Applicant : |
|-----------------------------------|-----------------------------|--|
| (31) Priority Document No | :13/922071 | 1)UOP LLC |
| (32) Priority Date | :19/06/2013 | Address of Applicant :25 East Algonquin Road P. O. Box |
| (33) Name of priority country | :U.S.A. | 5017 Des Plaines Illinois 60017 5017 U.S.A. |
| (86) International Application No | D:PCT/US2014/042043 | (72)Name of Inventor : |
| Filing Date | :12/06/2014 | 1)LUEBKE Charles P. |
| (87) International Publication No | :WO 2014/204767 | 2)GORAWARA Jayant K. |
| (61) Patent of Addition to | :NA | 3)KANAZIREV Vladislav I. |
| Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .NA | |

(57) Abstract :

A process for removal of trace chloride contaminants from a reactor effluent in a catalytic dehydrogenation process is described. The reactor effluent is compressed in a compressor to provide a compressed effluent. The compressed effluent is introduced from the compressor into a chloride treater. In the chloride treater trace chloride contaminants in the compressed effluent are adsorbed to provide a treated effluent. The treated effluent is cooled in a cooler.

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

(21) Application No.11219/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :H04W52/02 | (71)Name of Applicant : |
|---|--------------------|---|
| (31) Priority Document No | :NA | 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) |
| (32) Priority Date | :NA | Address of Applicant :S 164 83 Stockholm Sweden |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :PCT/SE2013/050831 | 1)RUNE Johan |
| Filing Date | :28/06/2013 | 2)ERIKSSON Anders E |
| (87) International Publication No | :WO 2014/209195 | 3)ERIKSSON Erik |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : METHOD FOR MANAGING A USER EQUIPMENT DEVICE

(57) Abstract :

A method in a network node for managing a user equipment device is disclosed. The method comprises the steps of receiving at least one of an apply instruction or a withhold instruction concerning an energy saving process for the user equipment device (step 100) applying the energy saving process for the user equipment device if the instruction is an apply instruction (step 130) and withholding application of the energy saving process for the user equipment device if the instruction is a withhold instruction (step 120). The energy saving process comprises retaining a context for the user equipment device after conducting a network detach procedure with the user equipment device (step 236b). Also disclosed are a method in a user equipment device a computer program product for carrying out such methods a network node and a user equipment device.

No. of Pages : 40 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :14/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : BUBBLE COLUMN REACTOR FOR REACTING A PREDOMINATELY LIQUID-PHASE STREAM

(57) Abstract :

Disclosed is an optimized process and apparatus for more efficiently and economically carrying out the liquid-phase oxidation of an oxidizable compound. Such liquid-phase oxidation is carried out in a bubble column reactor that provides for a highly efficient reaction at relatively low temperatures. When the oxidized compound is para-xylene and the product from the oxidation reaction is crude terephthalic acid (CTA), such CTA product can be purified and separated by more economical techniques than could be employed if the CTA were formed by a conventional high-temperature oxidation process.

No. of Pages : 179 No. of Claims : 11

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ACTUATOR SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :H02M1/44,H02M3/155,H02K11/02 :PA 2013 00408 :04/07/2013 y:Denmark | (71)Name of Applicant : 1)LINAK A/S Address of Applicant :Smedevænget 8 Guderup DK 6430 Nordborg Denmark (72)Name of Inventor : |
|---|---|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/DK2014/000037 :04/07/2014 ¹ :WO 2015/000484 | 1)BASTHOLM Jeppe Christian |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Actuator system comprising at least one electrically driven linear actuator with an electric motor and an electric controller with an operating unit wherein the electric motor is furnished with means for electrical noise dampening of the motor which comprises a first inductance and a second inductance for electrical noise dampening of the motor said first and second inductance are physically wound on the same coil form and thus provides a more compact construction which moreover reduces the costs.

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

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

:C02F1/46 (71)Name of Applicant : (51) International classification 1)MORINAGA MILK INDUSTRY CO. LTD. (31) Priority Document No :2013121626 (32) Priority Date Address of Applicant :33 1 Shiba 5 chome Minato ku Tokyo :10/06/2013 (33) Name of priority country :Japan 1088384 Japan (86) International Application No :PCT/JP2014/065226 (72)Name of Inventor : Filing Date :09/06/2014 1)MATSUYAMA Koki (87) International Publication No :WO 2014/199950 2)KOBAYASHI Shigehiro (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : POWER CONTROL DEVICE AND CONTROL METHOD FOR POWER CONTROL DEVICE

(57) Abstract :

Provided is a power control device that on the basis of input DC power supplies electrolytic voltage and electrolytic current to an electrolysis tank in which current is passed between an anode and a cathode in order to electrolyze water and produce electrolyzed water. The power control device is provided with a voltage/current control circuit that: controls in a fixed current control mode so that the electrolytic current does not surpass the current value of a reference current that is set in advance in accordance with the rated current of a single cell that constitutes the electrolytic voltage does not surpass the voltage value of a reference voltage that is set in advance in accordance with the rated voltage and number of single cells that constitute the electrolysis tank while supplying the electrolysis tank. The voltage/current control circuit switches between the fixed current control model and the fixed voltage control mode in accordance with the density of a liquid to be electrolyzed within the electrolysis tank.

No. of Pages : 38 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI VEGF ANTIBODY AND PHARMACEUTICAL COMPOSITION FOR PREVENTING DIAGNOSING OR TREATING CANCER OR ANGIOGENESIS RELATED DISEASES CONTAINING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C07K16/22,C12N15/13,A61K39/395 :1020130062413 :31/05/2013 :Republic of Korea :PCT/KR2014/004858 :30/05/2014 :WO 2014/193191 :NA :NA | (71)Name of Applicant : 1)DONG A SOCIO HOLDINGS CO. LTD. Address of Applicant :64 Cheonho daero Dongdaemun gu Seoul 130 823 Republic of Korea 2)DONG A ST CO. LTD. (72)Name of Inventor : 1)DOH Hyounmie 2)KIM Byong Moon 3)KIM Chae Young 4)LEE Sung Hee 5)KIM Dong Hyeon 6)KIM Yoo jin 7)LEE Dongsop 8)HAN Kyung Mi 9)SONG Dongsup |
|---|--|---|
| 11 | :NA :NA :NA | |

(57) Abstract :

in vivoThe present invention relates to: a novel anti vascular endothelial growth factor (VEGF) antibody having a strong binding affinity to VEGF and capable of inhibiting tumor growth; and a composition for treating cancer containing the same. The antibody of the present invention shows a remarkable binding property to human and mouse VEGF inhibits the proliferation and permeability of a human umbilical vein endothelial cell (HUVEC) and can suppress tumor growth and thus can be useful as an antibody for treating cancer.

No. of Pages : 125 No. of Claims : 46

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHOSPHOR SHEET

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/JP2014/065976 :17/06/2014 :WO 2014/203874 :NA :NA | (71)Name of Applicant : 1)DEXERIALS CORPORATION Address of Applicant :Gate City Osaki East Tower 8F 1 11 2 Osaki Shinagawa ku Tokyo 1410032 Japan (72)Name of Inventor : 1)HORI Tomomitsu 2)ITO Yasushi |
|---|--|---|
| Number Filing Date | :NA :NA | |

(57) Abstract :

Provided is a phosphor sheet which by a simple configuration is capable of preventing the deterioration of a phosphor. The phosphor sheet comprises water vapour barrier films (12 13) and a phosphor layer (11) which is held between the water vapour barrier films (12 13) and contains a sulphide based phosphor. The end sections of the water vapour barrier films (12 13) are sealed by a cover member (14). Thus ingress of water vapour from the end sections of the water vapour barrier films (12 13) to the phosphor layer (11) can be prevented and deterioration of the phosphor in the phosphor layer (11) can be prevented.

No. of Pages : 40 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ABSORBENT ARTICLE COMPRISING COMPLEXED OR ENCAPSULATED REACTIVE COMPOUNDS

(57) Abstract :

Absorbent articles comprising one or more complexed or encapsulated compounds having a thiol vapor pressure suppression index (TVPS) of more than 20 are particularly effective in reducing malodors coming from degradation of proteinaceous materials such as food menses or feces.

No. of Pages : 31 No. of Claims : 16

(21) Application No.11011/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ABSORBENT ARTICLE AND ABSORBENT CORE FORMING CHANNELS WHEN WET

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | (71)Name of Applicant : 1)THE PROCTER & GAMBLE COMPANY Address of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor : 1)BIANCHI Ernesto Gabriel 2)EHRNSPERGER Bruno Johannes 3)HOLLENBERG Doris 4)RINNERT Thorsten |
|---|------------|--|
|---|------------|--|

(57) Abstract :

An absorbent article (20) for personal hygiene comprising a liquid permeable topsheet (24), a liquid impermeable backsheet (25), an absorbent core (28) and a fibrous layer (54). The absorbent core comprises a core wrap and an absorbent material (60) with superabsorbent polymers (SAP). The core wrap comprises a top side (16) and a bottom side (16") bonded to one other through one or more area(s) (26) substantially free of absorbent material (60). The fibrous layer (54) is at least partially bonded to one of the sides of the core wrap in the area(s) (26) substantially free of absorbent material. When the absorbent material swells the core wrap forms one or more channel(s) (26) along the area(s) (26) substantially free of absorbent material. The formation of the channel(s) (26) in the absorbent core causes the formation of one or more corresponding ditches (29) in the fibrous layer. The core wrap bond (27) may be designed to delaminate in a controllable manner when loaded with fluid. An absorbent core (28) having these delimitation characteristics is also claimed.

No. of Pages : 53 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :14/02/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : COMPOSITIONS AND METHODS FOR MODULATING METABOLIC PATHWAYS | | | |
|---|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K31/195 :61/508139 :15/07/2011 :U.S.A. :PCT/US2012/046814 :13/07/2012 :WO 2013/012760 :NA :NA :NA :NA | (71)Name of Applicant : 1)NUMETA SCIENCES INC. Address of Applicant :1600 Division Street Suite 230 Nashville TN 37203 U.S.A. (72)Name of Inventor : 1)ZEMEL Michael 2)GRINDSTAFF E. Douglas II 3)BRUCKBAUER Antje | |

(57) Abstract :

Compositions and methods useful for inducing an increase in fatty acid oxidation or mitochondrial biogenesis reducing weight gain inducing weight loss or increasing Sirt 1 Sirt3 or AMPK activity are provided herein. Such compositions can contain synergizing amounts of a sirtuin pathway activators including but not limited to resveratrol in combination with beta hydroxymethylbutyrate (HMB) keto isocaproic acid (KIC) leucine or combinations of HMB KIC and leucine.

No. of Pages : 197 No. of Claims : 65

(19) INDIA

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : FORMING A SUBSTRATE WEB TRACK IN AN ATOMIC LAYER DEPOSITION REACTOR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C23C16/455 :na : - :PCT :PCT/FI2013/050713 :27/06/2013 :WO 2014/207289 :NA :NA :NA :NA | (71)Name of Applicant : 1)PICOSUN OY Address of Applicant :Tietotie 3 FI 02150 Espoo Finland (72)Name of Inventor : 1)MALINEN Timo 2)KILPI Väinö |
|---|---|---|
|---|---|---|

(57) Abstract :

An apparatus and method for forming a substrate web (15) track with a repeating pattern into a reaction space of a deposition reactor (10) by moving a first set of support rolls (17 27 37) in relation to a second set of support rolls (18 28). One effect of the invention is automatic track formation. Another effect is the possibility of achieving a top to bottom flow by removing gases from a reaction space via a route travelling through a first set of support rolls for the substrate web.

No. of Pages : 21 No. of Claims : 13

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING 2 (4 N N DIALKYLAMINO 2 HYDROXYBENZOYL) BENZOATES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :C07C219/34 :PCT/CN2013/000772 :27/06/2013 :China :PCT/EP2014/063319 :25/06/2014 :WO 2014/207002 :NA :NA :NA | (71)Name of Applicant : 1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands (72)Name of Inventor : 1)ZHANG Ji Yong 2)XU Xu Feng |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a novel method for producing 2 (4 N N dialkylamino 2 hydroxybenzoyl) benzoates.

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

(19) INDIA

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR PRODUCING 2 PHENYL 1 3 BENZOXAZOLES

| (31) Priority Document No:PCT/(32) Priority Date:27/06(33) Name of priority country:China(86) International Application No:PCT/Filing Date:25/06 | CT/EP2014/063318 (72)Name of Inventor : //06/2014 1)PENG Kun O 2014/207001 2)FENG Zheng Chuan A A A A A A |
|--|---|
|--|---|

(57) Abstract :

The present invention relates to a novel method for producing 2 phenyl 1 3 benzoxazoles of formula (I).

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

(22) Date of filing of Application :17/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SUBSTITUTED QUINOLINES AND THEIR USE AS MEDICAMENTS

| (51) International classification | :C07D215/20,C07D401/12,C07D401/14 | (71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL |
|---|-----------------------------------|--|
| (31) Priority Document No | :11175444.6 | GMBH Address of Applicant :Binger Str. 173 55216 Ingelheim Am |
| (32) Priority Date | :26/07/2011 | Rhein Germany |
| (33) Name of priority country | :EPO | (72)Name of Inventor : 1)HOFFMANN Matthias |
| (86) International Application No Filing Date | :PCT/EP2012/064172 :19/07/2012 | 2)BISCHOFF Daniel 3)DAHMANN Georg 4)KLICIC Jasna |
| (87) International Publication No | :WO 2013/014060 | 5)SCHAENZLE Gerhard 6)WOLLIN Stefan Ludwig Michael |
| (61) Patent of Addition to Application Number Filing Date | ':NA :NA | 7)CONVERS REIGNIER Serge Gaston 8)EAST Stephen Peter 9)MARLIN Frederic Jacques |
| (62) Divisional to Application Number Filing Date | :NA :NA | 10)MCCARTHY Clive 11)SCOTT John |

(57) Abstract :

The invention relates to new substituted quinolines of formula (1) wherein R1 is a linear or branched C1-6-alkyl, wherein R1 may optionally be substituted by R3 which is selected from the group consisting of a three-, four-, five-, six- or seven-membered cycloalkl; a five-, six- or seven-membered, saturated heterocycle comprising one, two or three heteroatoms each independently selected from the group consisting of N, S and O; and a five- or six-membered heteroaryl comprising one, two or three heteroatoms each independently selected from the group consisting of N, S and O; wherein R3 may optionally be substituted further substituted as defined in claim 1 and wherein R2 is selected from the group consisting of halogen, phenyl, a five- or six-membered monocyclic heteroaryl comprising one, two or three heteroatoms each independently selected from the group consisting of N, S and O; wherein R3 may optionally be substituted for the group comprising one, two or three heteroatoms each independently selected from the group consisting of N, S and O; wherein R3 may optionally be substituted further substituted as defined in claim 1 and wherein R2 is selected from the group consisting of halogen, phenyl, a five- or six-membered monocyclic heteroaryl comprising one, two or three heteroatoms each independently selected from the group consisting of N, S and O; a bicyclic, nine-, ten- or eleven-membered, either aromatic or non-aromatic, but not fully saturated heterocycle comprising one, two, three or four heteroatoms each independently selected from the group consisting of N, S and O; wherein R2 may optionally be further substituted as defined in claim 1, and their use in the preparation of medicaments for the treatment of disease such as asthma, COPD, allergic rhinitis, allergic dermatitis and rheumatoid arthritis.

No. of Pages : 186 No. of Claims : 34

(19) INDIA

(22) Date of filing of Application :17/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR ASSESSING CONDITION OF SKIN AND/OR SCALP

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | (71)Name of Applicant : 1)THE PROCTER & GAMBLE COMPANY Address of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor : 1)KOSAGA Masaru 2)HE Shan 3)GONG Tiangui |
|---|-------------------|---|
| Filing Date | :NA | |

(57) Abstract :

Method for assessing condition of skin and/or scalp by resulted color from the interaction of protein detecting composition with skin and/or scalp sample. Also disclosed is a method for comparing condition of different skin and/or scalp using the above method. Such conditions include for example skin healthiness and dandruff condition of scalp.

No. of Pages : 18 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :17/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ESTERS FOR TREATMENT OF OCULAR INFLAMMATORY CONDITIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :A61K9/00,A61K31/16,A61K31/201 :61/503158 :30/06/2011 :U.S.A. :PCT/US2012/043079 :19/06/2012 :WO 2013/003114 :NA :NA | (71)Name of Applicant : 1)JOHNSON & JOHNSON VISION CARE INC. Address of Applicant :7500 Centurion Parkway Jacksonville FL 32256 U.S.A. (72)Name of Inventor : 1)GALLOIS Annabelle |
|--|--|---|
| Application Number Filing Date | :NA | |

(57) Abstract :

The present invention relates to ophthalmic compositions and methods for the treatment of dry eye and other inflammatory ocular conditions. In particular the present invention relates to a composition comprising an esterified anti inflammatory lipid mediator which is an ester of an anti inflammatory lipid mediator that is a reaction product of the anti inflammatory lipid mediator and a polyol wherein the majority of the anti inflammatory lipid mediators. Anti inflammatory lipid mediators can be selected from the group consisting of polyunsaturated fatty acids (e.g. omega three and omega six fatty acids) resolvins or a metabolically stable analog protectins or a metabolically stable analog lipoxins or a metabolically stable analog prostaglandins or a metabolically stable analog retinoic acids endocannabinoids metabolites thereof and mixtures thereof. This composition can be topically delivered to the ocular surface via a preparation solution gel ointment and/or strip and/or a contact lens.

No. of Pages : 35 No. of Claims : 45

(19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : GRAFT COPOLYMER THERMOPLASTIC RESIN COMPOSITION MOLDING AND METHOD FOR PRODUCING GRAFT COPOLYMER

| | | (71)Name of Applicant : |
|-----------------------------------|----------------------------------|---|
| (51) International classification | :C08F285/00,C08F291/00,C08L25/12 | 1)NIPPON A&L INC. Address of Applicant :5 33 Kitahama 4 chome Chuo ku Osaka shi Osaka 5418550 Japan |
| (31) Priority Document No | :2011168747 | (72)Name of Inventor : |
| (32) Priority Date | :12/07/2011 | 1)MIYAHIRO Takumi |
| (33) Name of priority | :Japan | 2)ITO Masanori |
| country | Jupun | 3)TAMAI Seiji |
| (86) International | :PCT/JP2012/067636 | 4)TAKEDA Fumitoshi |
| Application No | :11/07/2012 | 5)TAKAHASHI Kazunori |
| Filing Date | | 6)AKIYAMA Tomoyoshi |
| (87) International | :WO 2013/008829 | 7)TOMITA Hajime |
| Publication No | | 8)OKUNO Haruki |
| (61) Patent of Addition to | :NA | 9)KUBOTA Shunsaku 10)OKADA Marashi |
| Application Number | :NA | 10)OKADA Masaaki |
| Filing Date | | 11)HASHIMOTO Atsushi 12)TAKADA Vashishi |
| (62) Divisional to | :NA | 12)TAKADA Yoshiaki |
| Application Number | :NA | 13)NAKASHIMA Nobuyuki 14)VOSHIDA Jijaking |
| Filing Date | | 14)YOSHIDA Jiichiro 15)FUUWABA Takayashi |
| | | 15)FUJIWARA Takayoshi 10KOSAKA Shawta |
| | | 16)KOSAKA Shouta |

(57) Abstract :

Provided is a thermoplastic resin composition having excellent weather resistance impact resistance and fluidability as well as excellent color developing properties thermal stability in residence and the like. Provided are: a graft copolymer (A) produced by the graft polymerization of a given amount of a composite rubber (a1) comprising a conjugated diene rubbery polymer and a crosslinked acrylic acid ester polymer and a given amount of a specific monomer (a2) the graft copolymer (A) being characterized in that the tetrahydrofuran soluble fraction in the composite rubber (a1) has a weight average molecular weight of 50000 or more in terms of polystyrene content and the degree of swelling of the composite rubber (a1) in toluene is 7.0 or more or that with respect to the composite rubber present in the graft copolymer the number of particles each having an equivalent circle diameter of 150 nm or less of the composite rubber is 50% or less of the total number of particles of the composite rubber; and others.

No. of Pages : 177 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :19/11/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : LIGHT SHIELDING SHEET AND CONTAINER

| classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/JP2014/063297 :20/05/2014 :WO 2014/189030 :NA :NA | (71)Name of Applicant : 1)FUJIMORI KOGYO CO. LTD. Address of Applicant :1 23 7 Nishi Shinjuku Shinjuku ku Tokyo 1600023 Japan (72)Name of Inventor : 1)SUZUKI Toyoaki 2)MIURA Koichi 3)NOMURA Junpei |
|---|--|---|
| Filing Date | .11/1 | |

(57) Abstract :

The present invention provides: a light shielding sheet that has a function of shielding light of a specific wavelength and that is capable of preventing a light shielding substance from migrating into the contents and seeping out of a container; and a container manufactured using the light shielding sheet. This light shielding sheet comprises a multilayer structure of three or more layers having at least one light shielding layer (1) for shielding a specific wavelength and/or eluate blocking layer (2) for blocking substances eluted from the light shielding layer (1). When manufacturing a container from the light shielding sheet an eluate blocking layer (A) (2) is provided at least between the light shielding layer (1) and an innermost layer (3) or on the innermost layer (3) and an eluate blocking layer (B) (5) is provided at least between the light shielding layer (1) and an outermost layer (4) or on the outermost layer (4). The light shielding layer (1) may further double as an eluate blocking layer.

No. of Pages : 61 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : INTEGRAL THERMOELECTRIC GENERATOR FOR WIRELESS DEVICES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Eiling Date | :13/135229 :29/06/2011 :U.S.A. :PCT/US2012/042003 :12/06/2012 :WO 2013/003020 :NA :NA :NA | (71)Name of Applicant : 1)ROSEMOUNT INC. Address of Applicant :8200 Market Blvd Chanhassen MN 55317 U.S.A. (72)Name of Inventor : 1)STREI David 2)ORTH Kelly Michael |
|---|---|---|
| Filing Date | :NA | |

(57) Abstract :

Electrical power is produced by a first process component a first heat pipe formed in part by a first cavity within the first process component and a thermoelectric generator assembly. The thermoelectric generator assembly is thermally coupled on one side to a heat sink and on the other side to the first heat pipe. The first process component is in direct contact with a first process fluid and the first cavity is proximate the first process fluid. The thermoelectric generator assembly produces electrical power.

No. of Pages : 74 No. of Claims : 46

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : CROWN CAL | p | |
|---|---------------------------------|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B65D41/42 :NA :NA :NA | (71)Name of Applicant : 1)DESARROLLOS TAMARIT PLAZA SL Address of Applicant :Avda. Sierra Calderona 41 Urb. Los Monasterios 46530 Puzol Valencia Spain (72)Name of Inventor : 1)TAMARIT RIOS RamÃ³n |

(57) Abstract :

Crown cap (1) for bottles of the type constituted by a metal plate although it could be made of another material having a structural configuration that favors the opening operation of the bottle by means of the removal of the crown cap without requiring an opener.

No. of Pages : 15 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :E05B77/06,B60J5/04,E05B85/16 :2013130292 :21/06/2013 :Japan :PCT/JP2014/066150 :18/06/2014 :WO 2014/203930 :NA | (71)Name of Applicant : 1)AISIN SEIKI KABUSHIKI KAISHA Address of Applicant :1 Asahi machi 2 chome Kariya shi Aichi 4488650 Japan (72)Name of Inventor : 1)NAGATA Koichi 2)SAKAMOTO Mizuya 3)ARAKI Nobukazu |
|---|--|--|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : VEHICLE DOOR HANDLE

(57) Abstract :

This vehicle door handle is provided with a door opening preventing mechanism which is configured to prevent the vehicle door from opening during a vehicle collision. The door opening preventing mechanism includes: a rotating lever which is rotatably provided on a bellcrank and which is biased by the elastic biasing force of a coil spring towards the initial position about the rotation shaft; and a lock pin which is provided in a base member and which allows rotation of the bellcrank when there is no vehicle collision by allowing relative movement of the rotating lever which is set in the initial position by the elastic biasing force of the coil spring but limits relative motion of the rotating lever which during vehicle collision is rotated about the rotation shaft by the inertial force generated on the vehicle said rotation going against the elastic biasing force of the coil spring from the initial position to a locked position thereby preventing rotation of the bell crank which is linked to the operation by which the door lock mechanism is switched from the door lock state to the door lock released state. By this means the vehicle door can be reliably prevented from opening during vehicle collision.

No. of Pages : 29 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : TERMINAL FOR SUPPORTING DEVICE TO DEVICE COMMUNICATION AND METHOD FOR OPERATING SAME

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04W72/12,H04W80/02,H04W88/02 :1020130091180 :31/07/2013 :Republic of Korea :PCT/KR2014/007077 :31/07/2014 :WO 2015/016646 :NA :NA :NA | (71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor : 1)JEONG Kyeongin |
|--|--|--|
|--|--|--|

(57) Abstract :

One embodiment of the present invention provides a terminal and a method for operating the same the terminal comprising: a PDCP layer for receiving a D2D exclusive IP packet from an upper layer so as to transfer the D2D exclusive IP packet to a lower layer; an RLC layer which processes a received packet such that the packet is suitable for a radio channel state when the packet is received from the PDCP layer and which transmits the processed packet to an MAC layer; and the MAC layer which selects a resource capable of being used as a D2D link without a scheduling request to a base station when D2D packet data is generated and which multiplexes only data received through a D2D exclusive logical channel during multiplexing. Particularly the present invention can provide a novel method for operating MAC of a D2D supporting terminal.

No. of Pages : 49 No. of Claims : 20

(21) Application No.11315/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :E05B77/06,B60J5/04 | (71)Name of Applicant : |
|--|---------------------|--|
| (31) Priority Document No | :2013130459 | 1)AISIN SEIKI KABUSHIKI KAISHA |
| (32) Priority Date | :21/06/2013 | Address of Applicant :1 Asahi machi 2 chome Kariya shi |
| (33) Name of priority country | :Japan | Aichi 4488650 Japan |
| (86) International Application No | :PCT/JP2014/066148 | (72)Name of Inventor : |
| Filing Date | :18/06/2014 | 1)NAGATA Koichi |
| (87) International Publication No | :WO 2014/203928 | 2)ARAKI Nobukazu |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : VEHICLE DOOR OUTER HANDLE STRUCTURE

(57) Abstract :

A door opening preventing mechanism (40) is provided with a lever member (41) which can swing towards the inside and outside of the vehicle so as to allow rotation relative to a base member (10) and with a biasing member (42) which biases the lever member (41) towards a set position and said door opening preventing mechanism (40) can be arranged to fit the space in the vehicle width direction of the region in which a linking shaft (34) moves. In a state in which a prescribed inertial force does not act on the door in the towards the outside of the vehicle during a vehicle collision the lever member (41) is held in the set position when the outer handle is in a door closed position; when the aforementioned inertial force does act on the door the lever member (41) acts against the biasing force of the biasing member (42) to swing outwards of the vehicle from the set position and move to a locked position. When the lever member (41) is in the set position movement of a linking lever (33) in the door opening direction is allowed and when the lever member (41) is in the locked position movement of a linking lever (33) in the door opening direction is restricted. By this means a door opening preventing mechanism during vehicle collision can be configured compactly in the vehicle width direction.

No. of Pages : 28 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SECURE HYBRID FILE SHARING SYSTEM

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :U.S.A. :PCT/US2014/044597 :27/06/2014 | (71)Name of Applicant : 1)CITRIX SYSTEMS INC. Address of Applicant :851 West Cypress Creek Road Fort Lauderdale Florida 33309 U.S.A. (72)Name of Inventor : 1)MALDANER Juliano |
|--|--|---|
| (87) International Publication No | :WO 2015/002836 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method includes (1) receiving a request to share a file stored on a secure network with a target the request identifying the file and the target (2) performing a location operation to determine whether the target belongs to the secure network (3) when a result of the location evaluation operation indicates that the target does not belong to the secure network performing a sensitivity evaluation operation to determine whether the file identified by the request includes sensitive information and (4) performing an access control operation the access control operation (i) rejecting the request when both (a) the result of the location evaluation operation indicates that the target does not belong to the secure network performing indicates that the file includes sensitive information and (ii) otherwise causing a link to access the file to be provided to the target.

No. of Pages : 34 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITIONS AND METHODS FOR USE IN MEDICAL DIAGNOSIS

| (51) International classification (31) Priority Document No | :A61K9/51,A61K9/08,A61K47/48 :13305831.3 | (71)Name of Applicant : 1)NANOBIOTIX |
|---|---|---|
| (32) Priority Date | :20/06/2013 | Address of Applicant :60 rue de Wattignies F 75012 Paris |
| (32) Name of priority country | :EPO | France |
| (86) International Application No Filing Date | :PCT/EP2014/062947 :19/06/2014 | (72)Name of Inventor : 1)POUL Laurence 2)LEVY Laurent |
| (87) International Publication No | :WO 2014/202723 | 3)BERJAUD Céline 4)GERMAIN Matthieu |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 5)POTTIER Agnès |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to compositions and methods for use in medical diagnosis and patient s monitoring. It more particularly relates to a biocompatible gel comprising nanoparticles and/or nanoparticles aggregates wherein i) the nanoparticle and/or nanoparticles aggregate comprise an inorganic material comprising at least one metal element having an atomic number Z of at least 25 each of said nanoparticle and of said nanoparticles aggregate being covered with a biocompatible coating; ii) the nanoparticles and/or nanoparticles aggregates concentration is of about or less than 0.5% (w/w); and iii) the apparent viscosity at 2s of the gel comprising nanoparticles and/or nanoparticles aggregates is between about 0.1 Pa.s and about 1000 Pa.s when measured between 20ŰC and 37ŰC. 1 The composition of the invention typically allows the delineation and visualization of at least 40% of the target biological tissue when said tissue is observed using an X ray imaging equipment.

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

(21) Application No.11221/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :E04B5/46,B32B17/10 | (71)Name of Applicant : |
|--|---------------------|--|
| (31) Priority Document No | :13 55315 | 1)GRANDS MAGASINS DE LA SAMARITAINE MAISON |
| (32) Priority Date | :10/06/2013 | ERNEST COGNACQ |
| (33) Name of priority country | :France | Address of Applicant :19 rue de la Monnaie F 75001 Paris |
| (86) International Application No | :PCT/FR2014/051334 | France |
| Filing Date | :04/06/2014 | 2)LUXINOV |
| (87) International Publication No | :WO 2014/199050 | (72)Name of Inventor : |
| (61) Patent of Addition to Application | :NA | 1)ZAGO Denis |
| Number | :NA | |
| Filing Date | .NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : FLOOR TILE AND FLOOR COMPRISING SUCH A TILE

(57) Abstract :

A tile (10) comprising: a top traffic plate (12) designed to form a floor element allowing the circulation of persons and to allow light to pass through; a translucent bottom plate (14) forming a thermal barrier; an intumescent layer (16) designed to increase in volume from a predefined temperature arranged between the top and bottom plates (12 14) and to allow light to pass therethrough; and an expansion space (18) between the top and bottom plates (12 14) the expansion space (18) being designed to allow the expansion of the intumescent layer (16).

No. of Pages : 20 No. of Claims : 12

(22) Date of filing of Application :09/12/2015

(21) Application No.11222/DELNP/2015 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : WOVEN TEXTILE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :D03D15/02,A43D21/00,D03D15/00 :2013214917 :15/10/2013 :Japan :PCT/JP2014/077352 :14/10/2014 :WO 2015/056676 | (71)Name of Applicant : 1)ITOI LIFESTYLE RESEARCH CO. Address of Applicant :861 11 Komatsuri cho Kishiwada shi Osaka 5960821 Japan (72)Name of Inventor : 1)ITOI Toru |
|---|--|--|
| | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A woven textile obtained by blending a primary yarn comprising Japanese paper thread and a secondary yarn that is thinner than the primary yarn wherein the woven textile is a high weave density woven fabric that has a woven texture structure comprising a warp (A) and a woof (A) composed of the primary yarn and a warp (B) and a woof (B) composed of the secondary yarn and in the woven texture structure the warp rows have a repeating row structure in which a plurality of threads of the warp (B) are arranged between two threads of the woof (A) and the woof (A) and the warp (A) and the woof (A) are interlaced in a flat woven texture structure.

No. of Pages : 60 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :17/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICE AND METHOD FOR FORMING A HOLE IN A SURFACE FOR INSERTION OF A TACK INTO THE HOLE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :B23B45/06,A47G1/20,B23B49/00 :1309774.6 :31/05/2013 :U.K. :PCT/EP2014/061286 :30/05/2014 | (71)Name of Applicant : 1)TAKKER LTD Address of Applicant :Northern Ireland Science Park Queens Road Belfast Northern Ireland BT3 9DT U.K. (72)Name of Inventor : 1)McGRANE Damien 2)LAMBKIN Eoin |
|---|--|---|
| (87) International Publication No | :WO 2014/191563 | |
| (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 relates to a device and method for forming a hole in a surface for subsequent insertion of a tack into the hole the device comprising a housing having a base receiving portion means for holding a detachable hole forming rod member means for turning the hole forming rod member means for urging the hole forming rod member out of the housing to form a hole in the surface wherein the hole is formed substantially perpendicular to the surface; and a base moveable within the housing and adapted to be retractable into the base receiving portion as the hole forming rod member is urged forwardly to form the hole in the surface.

No. of Pages : 54 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

(51) International classification :G06F21/31 (71)Name of Applicant : (31) Priority Document No **1)OTIS ELEVATOR COMPANY** :NA (32) Priority Date Address of Applicant : Ten Farm Springs Road Farmington :NA (33) Name of priority country Connecticut 06032 U.S.A. :NA :PCT/US2013/045396 (72)Name of Inventor : (86) International Application No Filing Date :12/06/2013 1)STANLEY Jannah A. (87) International Publication No :WO 2014/200477 2)CHAPMAN Ashley (61) Patent of Addition to Application 3)FARUKI Tarique :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : SECURITY ENHANCEMENT BASED ON USE OF ICONS WITH PASS CODES

(57) Abstract :

Embodiments are directed to receiving by a computing device comprising a processor a selection of an icon that corresponds to a request for access to at least one of a resource and an activity associated with a conveyance device receiving by the computing device a pass code determining by the computing device that the pass code corresponds to the icon and causing by the computing device the requested access to be provided based on determining that the pass code corresponds to the icon.

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

(21) Application No.11267/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :A61Q19/10,A61K8/02 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :61/840084 | 1)THE PROCTER & GAMBLE COMPANY |
| (32) Priority Date | :27/06/2013 | Address of Applicant :One Procter & Gamble Plaza Cincinnati |
| (33) Name of priority country | :U.S.A. | Ohio 45202 U.S.A. |
| (86) International Application No | :PCT/US2014/044206 | (72)Name of Inventor : |
| Filing Date | :26/06/2014 | 1)MCCONAUGHY Shawn David |
| (87) International Publication No | :WO 2014/210231 | 2)SMITH Edward Dewey III |
| (61) Patent of Addition to Application | .NI A | 3)KAVALEW Dale Gary |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : PERSONAL CARE COMPOSITIONS AND ARTICLES

(57) Abstract :

A compliant personal care composition can include i) from about 20% to about 80% by weight of the composition of a surfactant; and ii) from about 3% to about 40% by weight of the composition of a water insoluble hygroscopic fiber fine or filament; wherein the composition has a compliance value of about 0.01 kg/mm to about 1.5 kg/mm or before a simulated use. The composition may also be at least partially surrounded by a substrate and in the form of an article.

No. of Pages : 45 No. of Claims : 15

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PERSONAL | CARE ARTICLES | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K8/02,A61Q19/10 :61/840084 :27/06/2013 :U.S.A. :PCT/US2014/044205 :26/06/2014 :WO 2014/210230 :NA :NA :NA :NA | (71)Name of Applicant : 1)THE PROCTER & GAMBLE COMPANY Address of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor : 1)MCCONAUGHY Shawn David 2)SMITH Edward Dewey III |

(57) Abstract :

A compliant personal care article can include: a personal care composition including i) a surfactant; and ii) from about 3% to about 40% by weight of the composition of a water insoluble hygroscopic fiber fine or filament; and a first contact substrate adjacent to the composition wherein the contact substrate is a multiplanar film includes a surface aberration and has a surface aberration area of about 45% to about 98%.

No. of Pages : 49 No. of Claims : 15

(21) Application No.11269/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :A61Q19/10,A61K8/02 | (71)Name of Applicant : |
|--|---------------------|--|
| (31) Priority Document No | :61/840084 | 1)THE PROCTER & GAMBLE COMPANY |
| (32) Priority Date | :27/06/2013 | Address of Applicant :One Procter & Gamble Plaza Cincinnat |
| (33) Name of priority country | :U.S.A. | Ohio 45202 U.S.A. |
| (86) International Application No | :PCT/US2014/044204 | (72)Name of Inventor : |
| Filing Date | :26/06/2014 | 1)MCCONAUGHY Shawn David |
| (87) International Publication No | :WO 2014/210229 | 2)SMITH Edward Dewey III |
| (61) Patent of Addition to Application | :NA | 3)KAVALEW Dale Gary |
| Number | :NA :NA | |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : PERSONAL CARE COMPOSITIONS AND ARTICLES

(57) Abstract :

A compliant personal care composition can include a granular personal care composition including i) from about 20% to about 80% by weight of the composition of a surfactant; and ii) from about 3% to about 40% by weight of the composition a water insoluble hygroscopic fiber fine or filament; wherein the composition is granular before a first simulated use and has a compliance value of about 0.01 kg/mm to about 1.5 kg/mm after 2 simulated uses. The composition may also be at least partially surrounded by a substrate and in the form of an article.

No. of Pages : 45 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :17/02/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :A61J1/20 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :61/525126 | 1)ICU MEDICAL INC. |
| (32) Priority Date | :18/08/2011 | Address of Applicant :951 Calle Amanecer San Clemente CA |
| (33) Name of priority country | :U.S.A. | 92673 U.S.A. |
| (86) International Application No | :PCT/US2012/051226 | (72)Name of Inventor : |
| Filing Date | :16/08/2012 | 1)FANGROW Thomas F. |
| (87) International Publication No | :WO 2013/025946 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : PRESSURE REGULATING VIAL ADAPTORS

(57) Abstract :

In certain embodiments a vial adaptor comprises a housing configured to couple the adaptor with a vial an access channel a regulator channel and a regulator assembly. The access channel is configured to facilitate withdrawal of fluid from the vial when the adaptor is coupled to the vial. The regulator channel is configured to facilitate a flow of a regulating fluid from the regulator assembly to compensate for changes in volume of a medical fluid in the vial. In some embodiments the regulator assembly includes a flexible member configured to expand and contract in accordance with changes in the volume of the medical fluid in the vial. In some embodiments the flexible member is substantially free to expand and contract. In some embodiments the flexible member is not partly or completely located in a rigid enclosure.

No. of Pages : 177 No. of Claims : 45

(22) Date of filing of Application :09/12/2015

(54) Title of the invention · TRANSACTION ORDERING

(21) Application No.11257/DELNP/2015 A

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F17/00 | (71)Name of Applicant : |
|---|--------------------|---|
| (31) Priority Document No | :13/893004 | 1)AMAZON TECHNOLOGIES INC. |
| (32) Priority Date | :13/05/2013 | Address of Applicant : P.O. Box 8102 Reno Nevada 89507 |
| (33) Name of priority country | :U.S.A. | U.S.A. |
| (86) International Application No | :PCT/US2014/037901 | (72)Name of Inventor : |
| Filing Date | :13/05/2014 | 1)BURCHALL Laurion Darrell |
| (87) International Publication No | :WO 2014/186396 | 2)MADHAVARAPU Pradeep Jnana |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)NEWCOMBE Christopher Richard 4)GUPTA Anurag Windlass |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Nodes of a database service may receive a read request to perform a read of a record stored by the database service and a transaction request to perform a transaction to the record. First and second indications of time may be associated with the read and transaction respectively. A potential read anomaly (e.g. fuzzy read read skew etc.) may be detected based at least in part on a determination that the first indication of time is within a threshold value of the second indication of time. In response to detecting the potential read anomaly the read may be performed after the transaction specified by the transaction request regardless of whether the first indicative of an earlier point in time than the second indication of time.

No. of Pages : 47 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : IMPROVEM | ENTS IN OR RELATING | G TO REFRIGERATED DISPLAY APPLIANCES |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A47F3/04 :1308570.9 :13/05/2013 :U.K. | (71)Name of Applicant : 1)APPLIED DESIGN AND ENGINEERING LTD Address of Applicant :45 Pinbush Road South Lowestoft Ind. Est. Lowestoft Suffolk NR33 7NL U.K. (72)Name of Inventor : 1)HAMMOND Edward 2)WOOD Ian |

(57) Abstract :

A ducted shelf assembly for a refrigerated display appliance comprises separate upper and lower supports each being separately engageable with support formations to hold the shelf structure at a desired height against a wall of the display appliance. At least one duct element is separate from and disposed between the lower support and the upper support the duct element then being supported by the lower support and retained by the upper support.

No. of Pages : 32 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :09/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : LATERAL F | LOW ASSAY DEVICE | |
|---|------------------|--|
| (54) File of the invention : EATERCEPT (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)FIBROTX OÜ Address of Applicant :Mäealuse 4 EE 12618 Tallinn Estonia (72)Name of Inventor : 1)NEUMAN Toomas |

(57) Abstract :

The present invention provides adiagnostic kit for detecting the presence or quantity of one or more test analytes within a test sampletaken from a body surface of a mammal the diagnostic kit comprising: a separate insert for a lateral flow device (200 411) comprising a membrane (201) fixed to a rigid support (202) and the separate insert being configured to obtain the test sample; a lateralflow assay device configured (300 400) to accept the separate insert (200 411); a securing member (210) configured to releasably attach (211) the separate insert to a body surface of a mammal (213); wherein the securing member (210) comprise an expandable layer (212) configured to apply pressure to the separate insert (200 411) thereby pressing the separate insert (200 411) against the body surface of the mammal (213).

No. of Pages : 46 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CAPSID MODIFIED RAAV3 VECTOR COMPOSITIONS AND USES IN GENE THERAPY OF HUMAN LIVER CANCER

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C12N15/864,A61K48/00,A61K49/00 :13/899481 :21/05/2013 :U.S.A. :PCT/US2014/039015 :21/05/2014 :WO 2014/193716 :NA :NA :NA | (71)Name of Applicant : UNIVERSITY OF FLORIDA RESEARCH FOUNDATION INC. Address of Applicant :223 Grinter Hall Gainesville Florida 32611 U.S.A. (72)Name of Inventor : SRIVASTAVA Arun ZHONG Li ZOLOTUKHIN Sergei ASLANIDI George V. AGBANDJE MCKENNA Mavis VAN VLIET Kim M. |
|--|--|--|
|--|--|--|

(57) Abstract :

Disclosed are next-generation multi-mutated capsid protein-modified rAAV expression vectors, as well as infectious virions, compositions, and pharmaceutical formulations that include them. Also disclosed are methods of preparing and using these high transduction efficiency vector constructs in a variety of therapeutic applications including, inter alia, as delivery agents for the treatment or amelioration of one or more diseases or abnormal conditions in an affected mammal using in vivo and/or ex situ viral vector-based gene therapy protocols. Also dis closed are large-scale production methods for the multi-mutated, capsid-modified rAAV expression vectors, viral particles, and infectious virions, as well as use of the disclosed compositions in the manufacture of medicaments for use in a variety of in vitro and/or in vivo therapeutic methodologies.

No. of Pages : 195 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MULTI -COMPARTMENT PHARMACEUTICAL VIALS

| (51) International alegaification | . A (111/0) D(5D1/00 D(5D)5/0) | (71)Name of Ameliaant |
|-----------------------------------|--------------------------------|---|
| (51) International classification | :A61J1/06,B65D1/09,B65D25/06 | |
| (31) Priority Document No | :13/945499 | 1)TOKITAE LLC |
| (32) Priority Date | :18/07/2013 | Address of Applicant :3150 139th Ave SE Bellevue WA |
| (33) Name of priority country | :U.S.A. | 98005 4046 U.S.A. |
| (86) International Application | :PCT/US2014/046813 | (72)Name of Inventor : |
| No | | 1)ECKHOFF Philip A. |
| Filing Date | :16/07/2014 | 2)ISHIKAWA Muriel Y. |
| (87) International Publication | :WO 2015/009800 | 3)LEVINE Orin |
| No | . WO 2013/009800 | 4)PETERSON Nels R. |
| (61) Patent of Addition to | .NI 4 | 5)WOOD Lowell L. Jr. |
| Application Number | :NA | 6)WOOD Victoria Y. H. |
| Filing Date | :NA | |
| (62) Divisional to Application | NT A | |
| Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Multi-compartment pharmaceutical vials are described. In some embodiments, a multi-compartment pharmaceutical vial includes: a multi-compartment pharmaceutical storage region including a bottom wall, at least one outer wall and at least one interior wall, the bottom wall, the at least one outer wall and the at least one interior wall forming a plurality of pharmaceutical storage compartments, each pharmaceutical storage compartment including an aperture positioned opposite to the bottom wall of the pharmaceutical storage region; and an access region attached to the pharmaceutical storage region, the access region including a plurality of conduits, each with a first end and a second end, wherein the first end of each conduit is connected to one aperture in a pharmaceutical storage compartment, and the second end of each conduit circumscribes an aperture positioned opposite to the bottom wall.

No. of Pages : 63 No. of Claims : 66

(21) Application No.10365/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :02/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CABLE JACKET WITH EMBEDDED SHIELD AND METHOD FOR MAKING THE SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :H01B11/06,H01B9/02,H01B7/17 :13/157492 :10/06/2011 :U.S.A. | (71)Name of Applicant : 1)GENERAL CABLE TECHNOLOGIES CORPORATION Address of Applicant :4 Tesseneer Drive Highland Heigths KY 41076 U.S.A. |
|---|--|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/US2012/036950 :08/05/2012 :WO 2012/170138 | (72)Name of Inventor : 1)KENNY Robert D. 2)FAUSZ David M. 3)CAMP David P. II |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :NA :NA | |
| Number Filing Date | :NA :NA | |

(57) Abstract :

A cable jacket that comprises first and second jacket layers each formed of a jacket material. At least one shielding tape is embedded between the first and second jacket layers. The shielding tape is formed of a substrate material and the substrate material has at least one conductive segment.

No. of Pages : 17 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04L29/08,H04L29/06 :61/837845 :21/06/2013 :U.S.A. :PCT/US2014/043449 :20/06/2014 :WO 2014/205370 :NA :NA :NA :NA | (71)Name of Applicant : CONVIDA WIRELESS LLC Address of Applicant :200 Bellevue Parkway Suite 300 Wilmington DE 19809 3727 U.S.A. WANG, Chonggang JDING, Zongrui 4)LI, Qing 5)LI, Hongkun 6)RUSSELL, Paul,L. Jr. (72)Name of Inventor : WANG Chonggang DING Zongrui LI Qing LI Qing LI Hongkun SRUSSELL Paul L. Jr. |
|---|--|--|
|---|--|--|

(54) Title of the invention : CONTEXT MANAGEMENT

(57) Abstract :

Systems, methods, and apparatus embodiments are described herein for context information management at the medium access control layer. In one embodiment, a system comprises a plurality of peers which communicate via peer-to-peer communications. In the system, context information may be exchanged at the MAC layer. Examples of context information include, without limitation, location information, mobility information, device capability, user information, an application category, multi-hop in formation, a channel condition, application information, association identifiers, and device information. Each of the plurality of peers may include a context manager that resides on each peer device. For example, a first context manager that resides on a first peer of the plurality of peers may exchange context information with a second context manager that resides on a second peer of the plurality of peers. In another example embodiment, the first peer, and in particular the first context manager that resides on the first peer, can retrieve the context information from a layer that is different than the MAC layer.

No. of Pages : 59 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CROSS LAYER AND CROSS APPLICATION ACKNOWLEDGMENT FOR DATA TRANSMISSION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :H04L1/16,H04L29/08,H04L1/18 :61/837746 :21/06/2013 :U.S.A. :PCT/US2014/043460 :20/06/2014 :WO 2014/205377 | (71)Name of Applicant : 1)CONVIDA WIRELESS LLC Address of Applicant :200 Bellevue Parkway Suite 300 Wilmington DE 19809 3727 U.S.A. (72)Name of Inventor : 1)WANG Chonggang 2)LI Qing 3)DING Zongrui 4)LI Hongkun |
|--|--|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 4)LI Hongkun 5)RUSSELL Paul L. Jr. 6)STARSINIC Michael F. |

(57) Abstract :

Systems and methods may integrate acknowledgments, such as application-level acknowledgments and medium access control layer acknowledgments. In an embodiment of a cross-layer acknowledgment method, a medium access control layer acknowledgment and application-layer acknowledgment may be integrated as a single medium access control layer acknowledgment. In an embodiment of a cross-application acknowledgment method, an application-layer acknowledgment for a first application and application-layer acknowledgment for a second application may be integrated into a single medium access control layer frame.

No. of Pages : 46 No. of Claims : 20

(21) Application No.11632/DELNP/2015 A

(22) Date of filing of Application :21/12/2015

(19) INDIA

(43) Publication Date : 13/05/2016

(54) Title of the invention : INTERNAL COMBUSTION ENGINE DIAGNOSTIC DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | a :F02D45/00,F02D41/22,F01N3/20 :NA :NA :NA :PCT/JP2013/067529 :26/06/2013 :WO 2014/207839 :NA :NA | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyotacho Toyota shi Aichi 4718571 Japan (72)Name of Inventor : 1)MIYAMOTO Hiroshi 2)AOKI Keiichiro 3)IWAZAKI Yasushi |
|---|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This internal combustion engine is equipped with an exhaust purification catalyst (20) and an air-fuel-ratio sensor (41) positioned on the downstream side of the exhaust-purification catalyst, and executes a fuel-cut control for stopping or reducing the supply of fuel, and a post-recovery rich control for controlling, after completing the fuel-cut control, the exhaust air-fuel ratio so as to be a rich airfuel ratio. On the basis of the output air-fuel ratio outputted fixim the air-fuel-ratio sensor, a diagnostic device calculates first air-fuel ratio-change properties and second air-fuel -ratio-change properties at the times when, after completing the fuel-cut control, the output air-fuel ratio first passes through a first air-fuel-ratio region leaner (X) than the theoretical air-fuel ratio and a second air-fuel-ratio region (Y) which includes the theoretical air-fuel ratio. The diagnostic device diagnoses an abnormality of the air-fuel-ratio sensor on the basis of the first air- fuel-ratio-change properties and the second air-fuel-ratio -change properties. As a result, it is possible to minimize the impact of changes to the state of the exhaust purification catalyst, and accurately diagnose a responsiveness-deterioration abnormality of the downstream- side air-fuel-ratio sensor.

No. of Pages : 77 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

(51) International classification (71)Name of Applicant : :C08G69/30 (31) Priority Document No 1)DSM IP ASSETS B.V. :13172829.7 (32) Priority Date Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen :19/06/2013 (33) Name of priority country :EPO Netherlands (86) International Application No :PCT/EP2014/062513 (72)Name of Inventor : Filing Date :16/06/2014 1) RULKENS Rudy (87) International Publication No :WO 2014/202506 2)GROLMAN Eric (61) Patent of Addition to Application **3)POEL VANDEN Geert Adelina Rudolf** :NA Number 4)KIERKELS Renier Henricus Maria :NA Filing Date 5)CUYPERS Theo Joseph (62) Divisional to Application Number :NA 6)PAPASPYRIDES Constantine D. Filing Date 7)PORFYRIS Athanasios D. :NA

(54) Title of the invention : PROCESS FOR PRODUCING A SEMI AROMATIC SEMI CRYSTALLINE POLYAMIDE

(57) Abstract :

The invention relates to a process for the preparation of semi crystalline semi aromatic polyamide by direct solid state polymerization of a diamine dicarboxylic acid salt comprising steps of (a) providing at least two salts of terephthalic acid and diamine wherein each of these diamine / terephthalic acid salts is in solid state and has a melting temperature of at least Tx wherein Tx is at least 260Å° C; (b) preparing a mixture of the diamine / terephthalic acid salts while retaining the salts in solid state; and (c) heating the mixture obtained from step (b) in the solid state to a temperature (T c) in the range from 200Å° C to 260Å° C under a pressure below the saturation vapour pressure of water at said temperature thereby condensing and polymerizing the salts and forming a semi crystalline semi aromatic polyamide in solid form.

No. of Pages : 25 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :10/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROTECTIVE WALL FOR PROTECTING PERSONS FROM TRAVELLING RAIL VEHICLES (51) International classification :B61B1/02 (71)Name of Applicant : (31) Priority Document No **1)LIEBER Christoph** :1128/13 (32) Priority Date Address of Applicant :Inselquai 10 CH 6005 Luzern :14/06/2013 (33) Name of priority country :Switzerland Switzerland (86) International Application No :PCT/EP2014/061408 (72)Name of Inventor : Filing Date :02/06/2014 1)LIEBER Christoph (87) International Publication No :WO 2014/198579 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A protective device for protecting persons from travelling rail vehicles in a railway station area comprises an inner and an outer protective wall (11 12 76 77 88 89). The railway station area contains at least one platform (4) wherein the platform (4) has at least one platform edge (2 22) and tracks for a rail vehicle are arranged on a first side of the platform edge (2 22) and a platform surface (23) extends from the second side of the platform edge (2 22). The railway surface is embodied as a waiting area for persons. The protective wall (11 12 76 77 88 89) is located at or in the vicinity of the platform edge (2 22) and can be adjusted between a retracted state and an extended state in such a way that in the extended state of the protective wall (11 12 76 77 88 89) access to the tracks is prevented and in the retracted state the access to the tracks is permitted.

No. of Pages : 105 No. of Claims : 38

(22) Date of filing of Application :10/12/2015

(21) Application No.11265/DELNP/2015 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : ELEVATOR NOISE MONITORING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :10/06/2013 :WO 2014/200457 | (71)Name of Applicant : 1)OTIS ELEVATOR COMPANY Address of Applicant :Ten Farm Springs Road Farmington Connecticut 06032 U.S.A. (72)Name of Inventor : 1)WILKE Michael 2)COPELAND George Scott 3)BORTHAKUR Soumitra |
|--|---|--|
| | :WO 2014/200457 :NA :NA :NA :NA | |

(57) Abstract :

A method includes receiving from a portable recording device multiple recordings of sounds made by an elevator during operation of the elevator the multiple recordings generated at different times. The method includes analyzing by a sound analysis circuit the multiple recordings generated at the different times to detect changes in an elevator characteristic over time and generating based on detecting the changes in the elevator characteristic over time a notification to perform an action on the elevator.

No. of Pages : 16 No. of Claims : 13

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :F23Q7/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2013 212 283.7 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :26/06/2013 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2014/062883 | (72)Name of Inventor : |
| Filing Date | :18/06/2014 | 1)CERON NICOLAT Bruno |
| (87) International Publication No | :WO 2014/206847 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .11A | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : GLOW TUBE FOR A CONTROLLABLE SHEATHED GLOW PLUG

(57) Abstract :

The invention relates to a sheathed glow plug (10) to be arranged in a combustion chamber of an internal combustion engine of a motor vehicle said glow plug having an electrical resistance element (16) accommodated in a glow tube (12) and designed as a single material coil (44) having a defined temperature coefficient of resistance and said electrical resistance element (16) being heated and/or maintained at a predetermined temperature by means of a dynamically changing control voltage. In addition the material of the electrical resistance element (16) comprises at least one refractory metal and the glow tube (12) is made of a nickel chromium alloy.

No. of Pages : 16 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYCARBONATE COPOLYMER HAVING HIGH FLUIDITY METHOD FOR PRODUCING AROMATIC POLYCARBONATE RESIN HAVING HIGH MOLECULAR WEIGHT AND AROMATIC POLYCARBONATE COMPOUND

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C08G64/18 :2011112087 :19/05/2011 :Japan :PCT/JP2012/062853 :18/05/2012 :WO 2012/157766 :NA :NA :NA | (71)Name of Applicant : 1)Mitsubishi Gas Chemical Company Inc. Address of Applicant :5 2 Marunouchi 2 chome Chiyoda ku Tokyo 1008324 Japan (72)Name of Inventor : 1)ISAHAYA Yoshinori 2)HIRASHIMA Atsushi 3)HARADA Hidefumi 4)ITO Maki 5)HAYAKAWA Jun ya 6)ISOBE Takehiko 7)TOKUTAKE Taichi 8)SHINKAI Yousuke |
|---|---|---|
|---|---|---|

(57) Abstract :

Provided are: a novel polycarbonate copolymer, which is composed of a structural unit derived from an aliphatic diol compound having an aliphatic hydrocarbon group bonded to a terminal hydroxyl group and a structural unit derived from an aromatic dihydroxy compound, which has a structure represented by general formula (III), which contains the structural unit derived from an aliphatic diol compound in an amount of 1-30% by mole, which has a Q value of 0.02-1.0 ml/s (at 280°C under a load of 160 kg), which has an Mw of 30,000-100,000, and which has high fluidity in spite of high molecular weight; an aromatic polycarbonate compound which is suitable as a prepolymer for the production of a polycarbonate copolymer having high fluidity and which is composed of a structural unit derived from an aromatic dihydroxy compound; and a method for producing an aromatic polycarbonate resin having a high molecular weight, which comprises a step wherein an aromatic polycarbonate and an aliphatic diol compound are reacted with each other in the presence of a transesterification catalyst and a by-produced cyclic carbonate is removed outside the reaction system.

No. of Pages : 246 No. of Claims : 51

(22) Date of filing of Application :30/12/2013

(43) Publication Date : 13/05/2016

(51) International classification :A41D13/005 (71)Name of Applicant : (31) Priority Document No 1)SCR INC. :61/572696 (32) Priority Date Address of Applicant :620 South Third Street Suite 205 :20/07/2011 (33) Name of priority country Louisville KY 40202 U.S.A. :U.S.A. (86) International Application No :PCT/US2012/047428 (72)Name of Inventor : Filing Date :19/07/2012 1)SPENCE Paul A. (87) International Publication No :WO 2013/013059 2)TOMPKINS Landon (61) Patent of Addition to Application 3)WALLING Samuel C. :NA Number 4)HATTON Ryan D. :NA Filing Date 5)HUTZENLAUB Jens (62) Divisional to Application Number :NA **6)SPENCE William** Filing Date :NA 7)SINGER Alex

(54) Title of the invention : ATHLETIC COOLING AND HEATING SYSTEMS DEVICES AND METHODS

(57) Abstract :

Thermal pads (50) for incorporation into systems (10) and compression garments (54) may be used for various medical or other purposes. The pads (50) include thermal fluid channels and the ability to flex and elastically stretch in multiple directions for conformance to the individual user. Cooling systems (10) include recirculation of the thermal fluid for temperature control purposes. Methods include hot and cold contrast type therapy for a variety of purposes.

No. of Pages : 98 No. of Claims : 15

(22) Date of filing of Application :30/12/2013

(54) Title of the invention : FACTOR VIII CHIMERIC AND HYBRID POLYPEPTIDES AND METHODS OF USE THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :08/07/2011 :U.S.A. :PCT/US2012/045784 :06/07/2012 :WO 2013/009627 :NA :NA | (71)Name of Applicant : 1)BIOGEN IDEC HEMOPHILIA INC. Address of Applicant :9 Fourth Avenue Waltham Massachusetts 02451 U.S.A. (72)Name of Inventor : 1)DUMONT Jennifer A. 2)LOW Susan 3)BITONTI Alan J. 4)PIERCE Glenn 5)LUK Alvin 6)JIANG Haiyan 7)MCKINNEY Byron 8)OTTMER Matt 9)SOMMER Jurg 10)NUGENT Karen 11)LI Lian 12)PETERS Robert |
|---|--|--|
|---|--|--|

(57) Abstract :

The present invention provides methods of administering Factor VIII (processed FVIII single chain FVIII or a combination thereof); methods of administering chimeric and hybrid polypeptides comprising Factor VIII; chimeric and hybrid polypeptides comprising Factor VIII; polynucleotides encoding such chimeric and hybrid polypeptides; cells comprising such polynucleotides; and methods of producing such chimeric and hybrid such cells

No. of Pages : 181 No. of Claims : 264

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR CUTTING TO LENGTH LONG ROLLED PRODUCTS COMING FROM DIFFERENT STRANDS OF A ROLLING MILL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :13425096.8 :05/07/2013 :EPO :PCT/EP2014/063486 :26/06/2014 :WO 2015/000779 :NA :NA | (71)Name of Applicant : 1)PRIMETALS TECHNOLOGIES AUSTRIA GMBH Address of Applicant :Turmstraße 44 4031 Linz Austria (72)Name of Inventor : 1)ALBÃ^ Roberto 2)BIANCHI Roberto 3)COLOMBO Ezio |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention concerns a system for cutting to length at least two strands of long rolled products (3, 5) preferably coming from a hot rolling mill, the system comprising: -a shear comprising at least two rotatable drums (4,6), each drums having cutting means (8,8", 10, 10") arranged to cut simultaneously at least two strands of long rolled products into finished segments, at least two movable guides(12,14), each guide comprising at least two channels, each channel being arranged to receive and guide at least one strand (3,5) of long product, the guides being movable between a position wherein, in operation, said at least two strands of long product are located outside of the trajectory of the cutting means in a position wherein said strands cannot be cut and, a position wherein, said at least two strands are located on the trajectory of the cutting means and can be cut by the cutting means.

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

(21) Application No.11623/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :H04N7/14 :1020130062893 :31/05/2013 :Republic of Korea :PCT/KR2014/004062 :09/05/2014 :WO 2014/193093 :NA | (71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor : 1)LEE Yong hoon |
|---|---|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : DISPLAY APPARATUS AND CONTROL METHOD THEREOF

(57) Abstract :

A display apparatus including: a camera configured to photograph a first user of the display apparatus; a communication interface configured to communicate with an external apparatus of a second user; a display configured to display an image of a visual communication between the first user and the second user; and a controller configured to generate information regarding a change in a position of a face of the first user from an image of the first user photographed by the camera during the visual communication, and configured to transmit the information regarding the change in the position of the first user to the external device so that the face of the first user having the changed position is displayed on the external apparatus.

No. of Pages : 32 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEFRAGMENTATION OF ADAPTIVE STREAMING SEGMENT FILES IN A CONTENT DELIVERY NETWORK

| (51) International classification | :G06F15/16 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/831908 | 1)ERICSSON TELEVISION INC. |
| (32) Priority Date | :06/06/2013 | Address of Applicant :4500 River Green Parkway Suite 110 |
| (33) Name of priority country | :U.S.A. | Duluth Georgia 30096 U.S.A. |
| (86) International Application No | :PCT/IB2014/061995 | (72)Name of Inventor : |
| Filing Date | :05/06/2014 | 1)PHILLIPS Chris |
| (87) International Publication No | :WO 2014/195906 | 2)DASHER Charles |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

An edge node (33), a parent node (32), and a method in a Content Delivery Network (CDN) (30) configured to utilize adaptive streaming to deliver a piece of electronic content to requesting clients. The content includes a plurality of segment files referenced by an associated manifest document (12), and the nodes are configured to defragment an incomplete piece of content and ensure that a copy stored in each node contain, ail segment files referenced by the manifest document Bach node analyzes the manifest document are absent files stored in its cache memory (89) to determine whether any segment files referenced by the manifest document are absent from the memory, if so, the node pulls the absent segment files from another node (94) in the CDN to complete the piece of content. The defragmentation may be performed during a period of minimum, network usage to minimize network impact and within a popularity time window to ensure timely storage of the defragmented content in each node.

No. of Pages : 27 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYMERIC MATERIAL WITH A MULTIMODAL PORE SIZE DISTRIBUTION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :06/06/2014 | (71)Name of Applicant : 1)KIMBERLY CLARK WORLDWIDE INC. Address of Applicant :2300 Winchester Road Neenah Wisconsin 54956 U.S.A. (72)Name of Inventor : 1)TOPOLKARAEV Vasily A. 2)MCENEANY Ryan J. 3)TOWER Theodore T. 4)BIGGS David G. 5)SCHOLL Neil T. 6)EBY Thomas A. 7)CARRILLO Antonio J. |
|---|-------------|---|
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(57) Abstract :

A polymeric material having a multimodal pore size distribution is provided. The material is formed by applying a stress to a thermoplastic composition that contains first and second inclusion additives dispersed within a continuous phase that includes a matrix polymer. Through the use of particular types of inclusion additives and careful control over the manner in which such additives are dispersed within the polymer matrix, the present inventors have discovered that a unique, multimodal porous structure can be achieved.

No. of Pages : 65 No. of Claims : 31

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MULTI -FUNCTIONAL FABRIC

| (51) International classification | :D01F8/06 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/833985 | 1)KIMBERLY CLARK WORLDWIDE INC. |
| (32) Priority Date | :12/06/2013 | Address of Applicant :2300 Winchester Road Neenah |
| (33) Name of priority country | :U.S.A. | Wisconsin 54956 U.S.A. |
| (86) International Application No | :PCT/IB2014/062024 | (72)Name of Inventor : |
| Filing Date | :06/06/2014 | 1)TOPOLKARAEV Vasily A. |
| (87) International Publication No | :WO 2014/199274 | 2)MCENEANY Ryan J. |
| (61) Patent of Addition to Application | :NA | 3)SCHOLL Neil T. |
| Number | | 4)MLEZIVA Mark M. |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

A fabric that includes porous fibers is provided. The porous fibers are formed from a thermoplastic composition containing a continuous phase that includes a matrix polymer. A microinclusion additive and nanoinclusion additive may also be dispersed within the continuous phase in the form of discrete domains, wherein a porous network is defined in the composition that includes a plurality of nanopores having an average cross-sectional dimension of about 800 nanometers or less.

No. of Pages : 58 No. of Claims : 37

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PORE INITIATION TECHNIQUE (51) International classification :C08J9/00,B29C55/00,C08K7/00 (71)Name of Applicant : 1)KIMBERLY CLARK WORLDWIDE INC. (31) Priority Document No :61/833989 (32) Priority Date :12/06/2013 Address of Applicant :2300 Winchester Road Neenah (33) Name of priority country Wisconsin 54956 U.S.A. :U.S.A. (72)Name of Inventor: (86) International Application :PCT/IB2014/062026 No 1)TOPOLKARAEV Vasily A. :06/06/2014 Filing Date 2)MCENEANY Ryan J. (87) International Publication No:WO 2014/199275 3)SCHOLL Neil T. (61) Patent of Addition to 4)CARRILLO Antonio J. :NA Application Number 5)MLEZIVA Mark M. :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A technique for initiating the formation of pores in a polymeric material that contains a thermoplastic composition is provided. The thermoplastic composition contains microinclusion and nano inclusion additives dispersed within a continuous phase that includes a matrix polymer. To initiate pore formation, the polymeric material is mechanic ally drawn (e.g., bending, stretching, twisting, etc.) to impart energy to the interface of the continuous phase and inclusion additives, which enables the inclusion additives to separate from the interface to create the porous network. The material is also drawn in a solid state in the sense that it is kept at a temperature below the melting temperature of the matrix polymer.

No. of Pages : 71 No. of Claims : 28

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :F23Q7/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2013 211 789.2 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :21/06/2013 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2014/058664 | (72)Name of Inventor : |
| Filing Date | :29/04/2014 | 1)GEISSINGER Albrecht |
| (87) International Publication No | :WO 2014/202265 | 2)REISSNER Andreas |
| (61) Patent of Addition to Application | :NA | 3)CERON NICOLAT Bruno |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : SHEATHED GLOW PLUG FOR GLOW TEMPERATURE CONTROL

(57) Abstract :

The invention relates to a sheathed glow plug (10) for an internal combustion engine (64) of a motor vehicle, comprising a resistor element (16) in the form of a single-material coil (44) and having a defined resistance-temperature coefficient. Said coil is heated up and or maintained at a defined temperature by means of a dynamically changing drive voltage applied to the resistor element (16).

No. of Pages : 19 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : HIGH- PRESSURE PUMP

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :F02M63/02,F02M59/06,F04B1/04 :10 2013 211 755.8 :21/06/2013 :Germany :PCT/EP2014/058689 :29/04/2014 | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany (72)Name of Inventor : 1)DOHMS Ralf |
|---|---|--|
| (87) International Publication No | :WO 2014/202266 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a high-pressure pump (1), in particular for a motor vehicle, for pumping a fluid, in particular fuel, such as diesel, comprising: a drive shaft (2), which is supported in such a way that the drive shaft can be rotated about an axis of rotation (26) and which has at least one cam (3); at least two pistons (5); at least two cylinders (6) for supporting the at least two pistons (5); wherein the pistons (5) each have a piston longitudinal axis (16) and the piston longitudinal axes (16) are oriented at an angle to each other in a projection of the piston longitudinal axes (16) in the direction of the axis of rotation (26) of the drive shaft (2) onto a fictitious projection plane perpendicular to the axis of rotation (26), wherein each of the at least two pistons (5) is supported on a shaft rolling surface (4) of the drive shaft (2) having the at least one cam (3) indirectly by means of a respective supporting element (14) having a supporting rolling surface (15), such that a transnational motion can be performed by the at least two pistons (5) as the result of a rotational motion of the drive shaft (2), wherein the piston longitudinal axes (16) of the pistons (5) have an axial distance in the direction of the axis of rotation (26) of the drive shaft (2).

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

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : FUEL INJECTOR (51) International classification :F02M61/14 (71)Name of Applicant : **1)ROBERT BOSCH GMBH** (31) Priority Document No :10 2013 212 321.3 (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :26/06/2013 (33) Name of priority country :Germanv Germany (86) International Application No :PCT/EP2014/062889 (72)Name of Inventor : Filing Date :18/06/2014 **1)WINTER Joachim** (87) International Publication No :WO 2014/206850 **2)STADLER Frank** (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention relates to a fuel injector (10; 10a to IOd), in particular a common-rail injector, comprising an injector housing (15) which can be inserted into a receiving opening (101) of a cylinder head (100) of an internal combustion engine and which has a first region (16) that faces a combustion Chamber of the internal combustion engine in the installed position, wherein at least one second region (17, 18) with an increased diameter adjoins the first region on the side facing away from the combustion Chamber. The first region (16) consists of metal and is radially surrounded by a first sealing element (25; 25a; 25b; 25c; 36) on the side facing the combustion Chamber, said sealing element being insertable into the annular space between the first region (16) of the injector housing (15) and the receiving opening (101) in the region of a first bore portion (103; 103d) of the receiving bore (101). The fuel injector also comprises a second sealing element (23; 37) which can be axially clamped between the injector housing (15) and a bearing surface (106) of the receiving opening (101) for the injector housing (15) on the side facing away from the combustion Chamber.

No. of Pages : 18 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PUMPING DEVICE IN PARTICULAR HIGH PRESSURE FUEL PUMPING DEVICE FOR A FUEL INJECTION DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F02M63/00,F02M59/06,F02M59/10 :10 2013 212 047.8 :25/06/2013 :Germany :PCT/EP2014/058926 :30/04/2014 :WO 2014/206609 :NA :NA :NA :NA | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany (72)Name of Inventor : 1)DUTT Andreas |
|---|---|--|
|---|---|--|

(57) Abstract :

The pumping device, in particular high pressure fuel pumping device, has at least one pump element (10) which has a pump piston (12) which is driven in a reciprocating movement by a drive shaft (14) via a tappet (18), wherein the drive shaft (14) has at least one cam (16) or eccentric, on which the tappet (18) is supported at least indirectly. The drive shaft (14) is mounted rotatably via at least one bearing point (60), wherein the at least one bearing point (60) is fed lubricating medium which exits from the at least one bearing point (60) towards the at least one cam (16) or eccentric. Between the at least one bearing point (60) and the at least one cam (16) or eccentric, the drive shaft (14) has an outer contour (66) which increases in diameter from the at least one bearing point (60) towards the at least one cam (16) or eccentric and ends in the region of the tappet (18) as viewed in the direction of the rotational axis (15) of the drive shaft (14). Lubricating medium is guided in a targeted manner to the tappet (18) by way of the outer contour (66).

No. of Pages : 13 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : GENERATING PRECODERS FOR JOINT TRANSMISSION FROM MULTIPLE TRANSMISSION POINTS TO MULTIPLE USER EQUIPMENTS IN A DOWNLINK COORDINATED MULTIPOINT TRANSMISSION/RECEPTION COMMUNICATIONS SYSTEM

| (51) International classification | :H04W28/16,H04W16/28 | (71)Name of Applicant : |
|---|----------------------|---|
| (31) Priority Document No | :2013902955 | 1)NEC CORPORATION |
| (32) Priority Date | :07/08/2013 | Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo |
| (33) Name of priority country | :Australia | 1088001 Japan |
| (86) International Application No | :PCT/JP2014/071349 | (72)Name of Inventor : |
| Filing Date | :05/08/2014 | 1)PHAM Duong |
| (87) International Publication No | :WO 2015/020232 | 2)MARUTA Yasushi |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

There is provided generating precoders for joint transmission (JT) in a downlink coordinated multi-point transmission/reception (DL CoMP) wireless communications system. T e system includes a plurality of transmission points (TPs) operable to communicate with a plurality of user equipments (UEs). Each UE has one of the TPs as its serving TP. The meth od includes transmitting channel state information (CSI) from each UE to its serving TP, wherein the transmitted CSI includes precoder matrix indicators (PMI), and using the PMI to generate precoders for transmission of data from the plurality of TPs to the plurality of UEs.

No. of Pages : 32 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : LUBRICATING OIL ADDITIVE AND LUBRICATING OIL COMPOSITION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :C10M135/18,C07F11/00,C10N30/06 :2013137122 :28/06/2013 :Japan :PCT/EP2014/063651 :27/06/2014 :WO 2014/207180 :NA :NA | (71)Name of Applicant : 1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Address of Applicant :Carel van Bylandtlaan 30 NL 2596 HR The Hague Netherlands (72)Name of Inventor : 1)AIHARA Yoshihiko 2)KOBAYASHI Izumi 3)HANYUDA Kiyoshi |
|---|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A lubricating oil additive comprising an organic molybdenum compound represented by general formula (1) below: (1) Wherein in formula (1), Rl denotes a straight chain or branched chain alkyl group represented by the general formula $C\hat{a}\in H^{2}(n)$ (1) wherein in formula (1), Rl denotes a straight chain or branched chain alkyl group represented by the general formula $C\hat{a}\in H^{2}(n)$ (1) wherein in formula (1), Rl denotes a straight chain or branched chain alkyl group represented by the general formula $C\hat{a}\in H^{2}(n)$ (1) wherein in formula (1), Rl denotes a straight chain or branched chain alkyl group represented by the general formula $C\hat{a}\in H^{2}(n)$ (1) wherein in formula (1), Rl denotes a straight chain or branched chain alkyl group represented by the general formula $C\hat{a}\in H^{2}(n)$ (1) wherein in formula (1), Rl denotes a straight chain or branched chain alkyl group, and Rl and R2 are different. The lubricating oil additive is able to adjust factional properties to a suitable level.

No. of Pages : 27 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : LUBRICATING OIL ADDITIVE AND LUBRICATING OIL COMPOSITION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :28/06/2013 :Japan :PCT/EP2014/063646 :27/06/2014 :WO 2014/207176 :NA :NA | (71)Name of Applicant : 1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Address of Applicant :Carel van Bylandtlaan 30 NL 2596 HR The Hague Netherlands (72)Name of Inventor : 1)KOBAYASHI Izumi 2)HANYUDA Kiyoshi 3)AIHARA Yoshihiko |
|---|---|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

A lubricating oil additive comprising an organic molybdenum compound represented by general formula (1) below: wherein in formula (1), RI denotes a straight chain or branched chain alkyl group represented by the general formula $C\hat{a}\in H2n+1$ (n is a positive integer) or a cyclohexyl group, R2 denotes a methyl group or an ethyl group, and R1 and R2 are different. The lubricating oil additive is suitable for use as a friction modifier in a lubricating composition and is able to adjust frictional properties to a suitable level.

No. of Pages : 37 No. of Claims : 10

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(51) International classification :G05B19/042 (71)Name of Applicant : (31) Priority Document No 1) TESCOM CORPORATION :61/830490 (32) Priority Date :03/06/2013 Address of Applicant :12616 Industrial Blvd. Elk River MN 55330 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2014/040618 (72)Name of Inventor : Filing Date :03/06/2014 1)THARALDSON Linda Rose (87) International Publication No :WO 2014/197433 2)MUIR Gordon Cameron (61) Patent of Addition to Application 3)WAKEFIELD Jeffrey Allen :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : SYSTEM AND METHOD FOR DIAGNOSING A PRESSURE REGULATOR

(57) Abstract :

A diagnostic system and method for a pressure regulator in a process plant is provided. The diagnostic apparatus includes a processor operatively coupled to the pressure regulator; a memory operatively coupled to the processor; and a sensor operatively coupled to an inlet valve of the pressure regulator, an exhaust valve of the pressure regulator, and the processor. A diagnostic module is stored in the memory, and when executed by the processor, presents a diagnostic tool at a user interface.

No. of Pages : 36 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : REAL- TIME PCR POINT MUTATION ASSAYS FOR DETECTING HIV -1 RESISTANCE TO ANTIVIRAL DRUGS

| (51) International classification | :C12Q1/70 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/829473 | 1)THE UNITED STATES OF AMERICA AS |
| (32) Priority Date | :31/05/2013 | REPRESENTED BY THE SECRETARY DEPARTMENT |
| (33) Name of priority country | :U.S.A. | OF HEALTH AND HUMAN SERVICES |
| (86) International Application No | :PCT/US2014/040514 | Address of Applicant : Centers For Disease Control And |
| Filing Date | :02/06/2014 | Prevention Technology Transfer Office 4770 Buford Highway MS |
| (87) International Publication No | :WO 2014/194318 | K79 Atlanta GA 30341 U.S.A. |
| (61) Patent of Addition to Application | :NA | (72)Name of Inventor : |
| Number | :NA | 1)JOHNSON Jeffrey A. |
| Filing Date | .INA | 2)HENEINE Walid M. |
| (62) Divisional to Application Number | :NA | 3)LIPSCOMB Jonathan T. |
| Filing Date | :NA | 4)WEI Xierong |

(57) Abstract :

Disclosed are compositions including primers and probes which are capable of interacting with the Disclosed nucleic acids such as the nucleic acids encoding the reverse transcriptase protease or integrase of HIV as disclosed herein. Thus provided is an oligonucleotide comprising any one of the nucleotide sequences set for in SEQ ID NOS: 1-89, 96-122, and 124-151. Also provided are the oligonucleotides consisting of the nucleotides as set forth in SEQ ID NOS: 1-89, 96-122, and 124-151. Each of the disclosed oligonucleotides is a probe or a primer. Also provided are mixtures of primers and probes and for use in RT PCR and primary PCR reactions disclosed herein. Provided are methods for the specific detection of several mutations in HIV simultaneously or sequentially. Mutations in the reverse transcriptase protease or integrase of HIV can be detected using the methods described herein.

No. of Pages: 153 No. of Claims: 39

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR THE TRANSVERSE DYNAMIC STABILISATION OF A SINGLE TRACK MOTOR VEHICLE

(57) Abstract :

The invention relates to a method for the transverse dynamic stabilisation of a single -track motor vehicle when turning a corner - in which the presence of an unstable state of travel in the vehicle transverse direction is detected and - as a function thereof, at least one nozzle is actuated through which a medium is issued perpendicularly to the wheel plane of a vehicle wheel ,in order to stabilise said motor vehicle.

No. of Pages : 13 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :B66B29/06 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :1020130073494 | 1)MIJUHITEC CO. LTD. |
| (32) Priority Date | :26/06/2013 | Address of Applicant :(Sinjeong dong Taehwa Mall Villatte) |
| (33) Name of priority country | :Republic of Korea | 204ho 67 Jungang ro 32 gil Yangcheon gu Seoul 158 861 |
| (86) International Application No | :PCT/KR2014/005072 | Republic of Korea |
| Filing Date | :10/06/2014 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2014/208906 | 1)LEE Ho Yeon |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : SAFETY COMB PLATE OF ESCALATOR

(57) Abstract :

The present invention relates to a comb plate which includes a detection line installed in a single continuous line in order to detect the breakage of teeth of the comb plate fixed at the front of a landing plate of an escalator, thereby being capable of observing the breakage status of all teeth and having a simple configuration for the detection, and which uses only a single detection line while observing all of a plurality of teeth provided in the comb plate, thereby minimizing the cost for observing the teeth.

No. of Pages : 30 No. of Claims : 5

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :B01J27/051 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/837413 | 1)STANDARD ALCOHOL COMPANY OF AMERICA |
| (32) Priority Date | :20/06/2013 | INC. |
| (33) Name of priority country | :U.S.A. | Address of Applicant :495 Uinta Way Suite 210 Denver CO |
| (86) International Application No | :PCT/US2014/042904 | 80230 U.S.A. |
| Filing Date | :18/06/2014 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2014/205059 | 1)STANDARD ALCOHOL COMPANY OF AMERICA |
| (61) Patent of Addition to Application | :NA | INC. |
| Number | :NA :NA | |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : PRODUCTION OF MIXED ALCOHOLS FROM SYNTHESIS GAS

(57) Abstract :

Higher mixed alcohols are produced from, syngas contacting a catalyst in a reactor. The catalyst has a first component of molybdenum or tungsten, a second component of vanadium, a third component of iron, cobalt, nickel or palladium and optionally a fourth component of a promoter. The first component forms alcohols, while the vanadium and the third component stimulates carbon chain growth to produce higher alcohols.

No. of Pages : 27 No. of Claims : 17

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :A61K39/205 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :PCT/EP2013/002517 | 1)CUREVAC AG |
| (32) Priority Date | :21/08/2013 | Address of Applicant :Paul Ehrlich Str. 15 72076 Tübinger |
| (33) Name of priority country | :EPO | Germany |
| (86) International Application No | :PCT/EP2014/002298 | (72)Name of Inventor : |
| Filing Date | :21/08/2014 | 1)SCHNEE Margit |
| (87) International Publication No | :WO 2015/024665 | 2)KRAMPS Thomas |
| (61) Patent of Addition to Application | .NI A | 3)STITZ Lothar |
| Number | :NA | 4)PETSCH Benjamin |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alexander | | 1 |

(54) Title of the invention : RABIES VACCINE

(57) Abstract :

The present invention relates to an mRNA sequence, comprising a coding region, encoding at least one antigenic peptide or protein of Rabies virus or a fragment, variant or derivative thereof. Additionally the present invention relates to a composition comprising a plurality of mRNA sequences comprising a coding region, encoding at least one antigenic peptide or protein of Rabies virus or a fragment, variant or derivative thereof. Furthermore it also discloses the use of the mRNA sequence or the composition comprising a plurality of mRNA sequences for the preparation of a pharmaceutical composition, especially a vaccine, e.g. for use in the prophylaxis or treatment of Rabies virus infections. The present invention further describes a method of treatment or prophylaxis of rabies using the mRNA sequence.

No. of Pages : 180 No. of Claims : 37

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING HYDROCARBON PRODUCTS

| (51) International classification | :C10G45/58,C10G65/04,C10G69/06 | (71)Name of Applicant : 1)LINDE AKTIENGESELLSCHAFT |
|---|--------------------------------|---|
| (31) Priority Document No | :10 2013 014 866.9 | Address of Applicant :Klosterhofstrasse 1 80331 München |
| (32) Priority Date | :05/09/2013 | Germany |
| (33) Name of priority country | y:Germany | (72)Name of Inventor : |
| (86) International | :PCT/EP2014/068708 | 1)WALTER Stefanie |
| Application No | :03/09/2014 | 2)FRITZ Helmut |
| Filing Date | | 3)SCHMIDT Gunther |
| (87) International Publication | ¹ :WO 2015/032804 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a method for producing hydrocarbon products, according to which a hydrocarbon flow (C4) is provided which contains predominantly branched and unbranched hydrocarbons, all of these hydrocarbons having four carbon atoms. A first and a second partial flow (i-C4, n-C4) are obtained from the above flow, the first partial flow (i-C4) having predominantly branched hydrocarbons with four carbon atoms and the second partial flow (n-C4) having predominantly unbranched hydrocarbons with four carbon atoms. The method further includes the steam cracking of at least a portion of the first partial flow (i-C4) with a first, higher cracking severity and the steam cracking of at least a portion of the second partial flow (n-C4) with a second, lower cracking severity.

No. of Pages : 23 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : NOVEL USE OF CANTHAXANTHIN | | |
|--|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A23L1/32,A23K1/16,A23K1/18 :13172380.1 :18/06/2013 :EPO :PCT/EP2014/062028 :10/06/2014 o:WO 2014/202433 :NA :NA :NA | (71)Name of Applicant : 1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands (72)Name of Inventor : 1)BITTAR Isaac 2)HERMES Rafael Gustavo 3)HAMELIN Catherine 4)CISNEROS Fernando |

(57) Abstract :

The present invention relates to the use of canthaxanthin and at least one vitamin D metabolite, preferably 25-hydroxy vitamin D3 (25-OH D3), for improving internal egg quality. Interior egg quality, usually expressed in Haugh Units, is prolonged by feeding the laying poultry a diet containing canthaxanthin and 25-hydroxy vitamin D3.

No. of Pages : 12 No. of Claims : 8

(21) Application No.11671/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : KITS AND METHODS FOR DETECTING DRUG INDUCED DEAFNESS SUSCEPTIBILITY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C12Q1/68,C12N15/11 :2013102085599 :30/05/2013 :China :PCT/CN2014/000548 :30/05/2014 :WO 2014/190762 :NA :NA :NA :NA | (71)Name of Applicant : 1)CAPITALBIO CORPORATION Address of Applicant :18 Life Science Parkway Changping District Beijing 102206 China 2)TSINGHUA UNIVERSITY (72)Name of Inventor : 1)KONG Yanling 2)XIANG Guangxin 3)ZHANG Xiaogang 4)LIANG Shujian 5)XING Wanli |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention provides a detection kit for detecting the mitochondrial gene C1494T and A1555G mutations associated with maternally inherited aminoglycoside-induced deafness. The kit comprises 2 pairs of primers with the nucleotide sequences set forth in SEQ ID NO: 1, SEQ ID NO:2, SEQ ID NO:5, and SEQ ID NO:6, and 3 TaqMan-MGB probes with the nucleotide sequences set forth in SEQ ID NO:3, SEQ ID NO:4, and SEQ ID NO:7.

No. of Pages : 69 No. of Claims : 96

(21) Application No.11672/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MULTIPLE REACTOR SYSTEM AND PROCESS FOR CONTINUOUS GAS FERMENTATION :C12P7/10,C12M1/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/843046 1)LANZATECH NEW ZEALAND LIMITED (32) Priority Date :04/07/2013 Address of Applicant :24 Balfour Road Parnell Auckland 1052 (33) Name of priority country :U.S.A. New Zealand :PCT/NZ2014/000137 (72)Name of Inventor : (86) International Application No Filing Date :04/07/2014 1)COLLET Christophe (87) International Publication No :WO 2015/002552 2)NG Jan (61) Patent of Addition to Application **3)ASTON David** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A bioreactor system is provided for continuous fermentation of a gaseous substrate, said system comprising two or more primary bioreactors and one or more secondary bioreactors connected by a central bleed line. Further provided is a process for inoculating multiple bioreactors utilising a central bleed line, said process comprising passing fermentation broth from a first primary bioreactor to other primary bioreactors and/or secondary bioreactors via a central bleed line. Further provided is a process for maintaining stable fermentation of a gaseous substrate across multiple bioreactors, said process comprising providing fermentation broth from one or more operational primary bioreactors to one or more secondary bioreactors via a central bleed line.

No. of Pages : 50 No. of Claims : 19

(21) Application No.11673/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : VACUUM CLEANER WITH ELECTROSTATIC FILTER

(57) Abstract :

A vacuum cleaner (10) comprising: a body (20) defining an air inlet (22), an air outlet (24), and a passageway (26) extending therebetween; an electrostatic dust filter (30) for removing dust from air as it passes through the passageway (26); and an air pump (40) for drawing air into the air inlet (22) and through the passageway (26) to the air outlet (24); wherein the electrostatic dust filter (30) comprises an electrode arrangement (32) configured to kill microorganisms present in air passing through the passageway (26) by exposing air to a voltage in excess of a threshold voltage.

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

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHENOLIC RESIN OBTAINED BY POLYCONDENSATION OF FORMALDEHYDE PHENOL AND LIGNIN

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application Netriling Date (87) International Publication Netriling Date (87) International Publication Netriling Date (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :26/03/2014 :WO 2014/206586 :NA :NA | (71)Name of Applicant : 1)COMPAGNIE INDUSTRIELLE DE LA MATIERE VEGETALE CIMV Address of Applicant :11 rue Louis Philippe F 92200 Neuilly sur Seine France (72)Name of Inventor : 1)DELMAS Michel 2)BENJELLOUN MLAYAH Bouchra |
|---|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention proposes a lignin phenol formaldehyde resin which is obtained by polycondensation of formaldehyde phenol and lignin in the presence of a basic or acidic catalyst characterized in that the lignin is a lignin that is not chemically modified at the available functional groups. This lignin has a low molecular mass and it comprises available functional groups chosen from the group comprising aliphatic hydroxyls and phenolic hydroxyls. The degree of substitution by weight of phenol with the said lignin is between 50% and 60%. The weight proportion of the said lignin and of phenol in the resin is equal to the weight proportion of phenol in a lignin free phenol formaldehyde (PF) resin.

No. of Pages : 18 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :U.S.A. :PCT/US2012/043877 | |
|--|--|--|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :22/06/2012 :WO 2012/178109 :NA :NA :NA :NA | 2)BOWN Matthew W. 3)JENKINS Richard P. 4)BARRON William R. 5)WILKES Bryson G. 6)LINDEKUGEL Eric W. 7)FLINT Jeffrey J. 8)FARNWORTH Charles 9)HAMMOND Alisha M. |

(54) Title of the invention : NEEDLE GUIDE WITH SELECTABLE ASPECTS

(57) Abstract :

A needle guide assembly for inserting a needle into the body of a patient in order to access a subcutaneous target such as a vessel is disclosed. In one embodiment the needle guide assembly comprises a needle guide body that is configured to at least indirectly and removably attach to an image producing device such as an ultrasound probe. The needle guide body defines at least first and second elongate guide channels. Each guide channel defines a unique insertion angle with respect to a longitudinal axis of the ultrasound probe. Further each guide channel is configured to accept needles of differing gauges. In other embodiments other needle guide assemblies are disclosed that include multiple guide channels for inserting a needle at a variety of insertion angles into the patient s body. Related methods are also disclosed. In yet other embodiments needle guide assemblies including needle stop features are disclosed.

No. of Pages : 52 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : MODULAR RAIL SYSTEM AND FIREARM WITH MODULAR RAIL SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :PCT/US2012/036117 :02/05/2012 :WO 2012/151274 :NA :NA | (71)Name of Applicant : 1)COLT DEFENSE LLC Address of Applicant :547 New Park Avenue West Hartford Connecticut 06110 01336 U.S.A. (72)Name of Inventor : 1)LANGEVIN Kevin 2)CAMERA David 3)JOSEY Michael |
|---|--|---|
| Number Filing Date | :NA :NA | |

(57) Abstract :

An upper receiver for a weapon the upper receiver having a plurality channels each being oriented in a first direction and wherein each of the plurality of channels intersect an elongated channel extending in a second direction; a modular rail having a pair of securement features configured to be slidably received within a pair of the plurality of channels such that modular rail can slide in the pair of the plurality of channels in the first direction until the pair of features can slide within the elongated channel in the second direction.

No. of Pages : 33 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD OF TRANSFERRING DATA IN A WIRELESS NETWORK AND AN APPARATUS THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :G08C17/02, H04W52/02 :60/663,567 :18/03/2005 :U.S.A. :PCT/US2006/010160 :20/03/2006 :wo 2006/102294 :NA | (71)Name of Applicant : 1)QUALCOMM INCORPORATED Address of Applicant :5775 Morehouse Drive, San Diego, California 92121-1714, United States of America U.S.A. (72)Name of Inventor : VINCENT K. JONES ALIREZA RAISSINIA GUIDO ROBERT FREDERIKS |
|--|--|--|
| Filing Date (62) Divisional to Application Number Filed on | :NA :7377/DELNP/2007 :25/09/2007 | |
| | | |

(57) Abstract :

Circuits, methods, and apparatus that provide high-throughput control fields that, among other functions, provide efficient TXOP hand offs in wireless networks. A hand off may be made by setting one or more bits in a field in a QoS frame, such as the HT control or other appropriate field.. Various conditions may be placed on a hand off by a granting station. For example, conditions specifying where a station receiving a TXOP hand off may send data, what the receiving station may do with any remaining TXOP, or what types of data may be transmitted by the receiving station may be imposed. These various conditions may be combined or omitted in any logic combination.

No. of Pages : 44 No. of Claims : 24

(19) INDIA

No

No

(22) Date of filing of Application :23/12/2015

(86) International Application

(87) International Publication

(62) Divisional to Application

(61) Patent of Addition to

Filing Date

Application Number

Filing Date

Filing Date

(43) Publication Date : 13/05/2016

(54) Title of the invention : CATALYST FREE SURFACE FUNCTIONALIZATION AND POLYMER GRAFTING

(51) International classification :C12Q1/68,B01J19/00,C07H21/00 (31) Priority Document No :61/841647 (32) Priority Date :01/07/2013 (33) Name of priority country :U.S.A. (71) Name of Applicant : 1)ILLUMINA INC. Address of Applicant :5200 Illumina Way San Diego CA 92122 U.S.A.

:PCT/US2014/044356

:WO 2015/002813

:26/06/2014

:NA

:NA

:NA

:NA

(72)Name of Inventor :
1)BERTI Lorenzo
2)BROWN Andrew A.
3)GEORGE Wayne N.

| 1 | (57) | Abstract · | |
|---|------|------------|--|
| | | | |

Number

Some embodiments described herein relate to a substrate with a surface comprising a silane or a silane derivative covaiently attached to optionally substituted cycloaikene or optionally substituted heterocycloalkene for direct conjugation with a functionalized molecule of interest, such as a polymer, a hydrogel, an amino acid, a nucleoside, a nucleotide, a peptide, a polynucleotide, or a protein. In some embodiments, the silane or silane derivative contains optionally substituted norbomene or norbomene derivatives. Method for preparing a functionalized surface and the use in DNA. sequencing and other diagnostic applications are also disclosed.

No. of Pages: 82 No. of Claims: 106

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : BLOOD FILTRATION SYSTEM CONTAINING MANNOSE COATED SUBSTRATE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :B01D24/02 :61/838854 :24/06/2013 :U.S.A. :PCT/US2014/043358 :20/06/2014 | (71)Name of Applicant : 1)EXTHERA MEDICAL CORPORATION Address of Applicant :813 Heinz Avenue Berkeley California 94710 U.S.A. (72)Name of Inventor : 1)MCCREA Keith |
|--|---|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2014/209782 :NA :NA :NA :NA | 2)WARD Robert 3)LARM Olle 4)ADOLFSSON Lars |

(57) Abstract :

A blood filtration method, system, device and media for removing gram negative bacteria from the blood wherein the media includes a substrate coated with mannose optionally in constitution with substrate coated with heparin.

No. of Pages : 40 No. of Claims : 34

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G01B21/04 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :1311600.9 | 1)RENISHAW PLC |
| (32) Priority Date | :28/06/2013 | Address of Applicant :New Mills Wotton under Edge |
| (33) Name of priority country | :U.K. | Gloucestershire GL12 8JR U.K. |
| (86) International Application No | :PCT/GB2014/051951 | (72)Name of Inventor : |
| Filing Date | :26/06/2014 | 1)WALLACE David Sven |
| (87) International Publication No | :WO 2014/207470 | 2)GRZESIAK Jean Louis |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .1NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : CALIBRATION OF A CONTACT PROBE

(57) Abstract :

This invention concerns a method of calibrating a contact probe having a contact element. The method comprises measuring with the contact probe a first geometric property of a calibrated artefact (100, 200, 300, 400, 500) and a second geometric property of the or a further calibrated artefact (100, 200, 300, 400, 500). The first and second geometric proper ties are such that a deviation between a measured value and the expected value, resulting from a difference between an effective diameter of the contact element and an assumed diameter used for determining the measured value, has the opposite sign for each of the first and second geometric properties. The method further comprises identifying a difference in the effective diameter of the contact element from the assumed diameter comprising comparing deviations of the measured value to the expected value for each of the first and second geometric properties to determine whether there is a difference in the deviations.

No. of Pages : 28 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :B32B17/10 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/926461 | 1)CORNING INCORPORATED |
| (32) Priority Date | :25/06/2013 | Address of Applicant :1 Riverfront Plaza Corning New York |
| (33) Name of priority country | :U.S.A. | 14831 U.S.A. |
| (86) International Application No | :PCT/US2014/043619 | (72)Name of Inventor : |
| Filing Date | :23/06/2014 | 1)CLEARY Thomas Michael |
| (87) International Publication No | :WO 2014/209861 | 2)COUILLARD James Gregory |
| (61) Patent of Addition to Application | :NA | 3)HUTEN Timothy Scott |
| Number | :NA :NA | 4)JAIN Anurag |
| Filing Date | INA | 5)MARCELLUS Brenna Elizabeth |
| (62) Divisional to Application Number | :NA | 6)MOORE Michael John |
| Filing Date | :NA | |

(54) Title of the invention : ION EXCHANGED GLASS AND RESULTING ARTICLES

(57) Abstract :

A laminate structure having a first glass layer, a second glass layer, and at least one polymer interlayer intermediate the first and second glass layers. The first glass lay er is comprised of a thin, chemically strengthened glass having a surface compressive stress of between about 250 MPa and about 350 MPa and a depth of layer (DOL) of compressive stress greater than about 60 m. The second glass layer can also be comprised of a thin, chemically strengthened glass having a surface compressive stress of between about 250 MPa and a depth of layer (DOL) of compressive stress greater than about 60 m. The second glass layer can also be comprised of a thin, chemically strengthened glass having a surface compressive stress of between about 250 MPa and a depth of layer (DOL) of compressive stress greater than about 60 m.

No. of Pages : 42 No. of Claims : 20

(21) Application No.11661/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICE FOR PREPARING INFUSED DRINKS COMPRISING A CAPSULE POSITIONING MEANS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Eiling Date | :24/06/2014 :WO 2014/206990 :NA :NA :NA | (71)Name of Applicant : TCONCEPT COMPANY S.P.R.L. Address of Applicant :Rue dAlmez 5 B 1325 Corroy le Grand Belgium (72)Name of Inventor : VAN BELLEGHEM Luc BEAUFILS Yohann |
|---|---|---|
| Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a device comprising: a support (2) arranged to receive a capsule (3) provided with a front face, a ring, a rear face, and a casing and defining a container; injection means arranged to introduce an infusion liquid into the capsuie (3); an infusion chamber (1) having a substantially vertical opening arranged to be in fluid communication with a filter wall; and an outlet.

No. of Pages : 33 No. of Claims : 44

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(51) International classification :D07B1/06 (71)Name of Applicant : (31) Priority Document No **1)NV BEKAERT SA** :201310330114.8 (32) Priority Date Address of Applicant :Bekaertstraat 2 B 8550 Zwevegem :01/08/2013 (33) Name of priority country :China Belgium (86) International Application No :PCT/EP2014/065541 (72)Name of Inventor : Filing Date :18/07/2014 1)WANG He (87) International Publication No :WO 2015/014639 2) DESPIEGELAERE Roel (61) Patent of Addition to Application **3)ZHU Hongzhen** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : HIGH ELONGATION STEEL CORD AND PNEUMATIC TIRE COMPRISING SAID CORD

(57) Abstract :

This invention discloses a steel cord. The steel cord comprises a plurality of strands twisted together with a cord twist pitch. Each strand comprises a plurality of filaments twisted together with a strand twist pitch. The elongation at break of the steel cord is no less than 5%. The strand comprises a strand twist angle. The steel cord comprises a cord twist angle. When the sum of the strand twist angle and the cord twist angle is between 20 and 29 degree, the structural elongation of the steel cord is no less than 2.0%. When the sum of the strand twist angle and the cord twist angle is between 30 and 38 degree, the structural elongation of the steel cord is no less than 2.5%. When the sum of the strand twist angle and the cord twist angle and the cord twist angle is between 39 and 48 degree, the structural elongation of the steel cord is no less than 3.0%. Preferably, the structural elongation of the steel cord is no more than 4.0%. The steel cord has high elongation at break, high structural elongation and high rubber penetration. This invention also provides a pneumatic tire comprising the steel cord mentioned above.

No. of Pages : 16 No. of Claims : 7

(21) Application No.11675/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICE FOR MEASURING THE CIRCUMFERENCE OF AN OBJECT IN PARTICULAR A LIMB

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A61B5/107,A61B5/00 :2013/0380 :30/05/2013 :Belgium :PCT/EP2014/061165 :28/05/2014 :WO 2014/191513 :NA :NA | (71)Name of Applicant : 1)JUST A NEW HEALTH Address of Applicant :Avenue Jupiter 147 B 1190 Forest Belgium (72)Name of Inventor : 1)HARFOUCHE Joseph |
|---|--|---|
| | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The application relates to a device (1) for the itérative measurement of the circumference of an object, in particular a limb, comprising: a first longitudinal graduated measuring \tilde{A} ©l \tilde{A} ©ment (2) having a first longitudinal direction, arranged to be placed alongside said object, in particular alongside said limb and defining a slide, a distal strap (3) and a proximal strap (4) each located in a plane substantially perpendicular to said longitudinal direction, and a slider (5) engaging with said slide, linked to a second longitudinal graduated measuring \tilde{A} ©l \tilde{A} ©ment, said slider having a hole for the slide to pass through and being positioned between said distal strap and said proximal strap.

No. of Pages : 27 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : NETWORK ASSISTED CELL SELECTION | | |
|---|-----------------|---|
| (54) Title of the invention : NETWORK (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | | (71)Name of Applicant : (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor : 1)CUI Tao 2)XUAN Zhiyi |
| (87) International Publication No(61) Patent of Addition to Application | :WO 2015/020584 | 3)MÜLLER Walter |
| Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

According to several disclosed techniques, a wireless network provides assistance information to a mobile terminal for cell selection at re-establishment of a connection after a radio link failure. An example method is implemented in a mobile terminal served in a first cell of a wireless network, and includes receiving (5 10) a configuration message from the network, the configuration message identifying at least one carrier frequency. Upon subsequently losing connection with the first cell without receiving a handover command, the mobile terminal initiates (520) a cell search using the identified at least one carrier frequency, based on the configuration message.

No. of Pages : 43 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SELECTION OF RADIOTHERAPY TREATMENT PLANS (51) International classification :A61N5/10,G06F19/00 (71)Name of Applicant : 1)RAYSEARCH LABORATORIES AB

| | •1 •1 1 | |
|--|--------------------|---|
| (32) Priority Date | : - | Address of Applicant :Sveavägen 44 103 65 Stockholm |
| (33) Name of priority country | : | Sweden |
| (86) International Application No | :PCT/EP2013/077729 | (72)Name of Inventor : |
| Filing Date | :20/12/2013 | 1)LÃ-F Johan |
| (87) International Publication No | :WO 2015/090457 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| 8 | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A method for automatic selection of a treatment plan for a patient is provided, where the automatic selection is at least partly based on the plan quality and required resources for each treatment plan in relation to the availability of resources.

No. of Pages : 23 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :11/290,094 :30/11/2005 :U.S.A. :PCT/US2006/061350 :29/11/2006 :wo 2007/094880 :NA :NA :NA :4182/DELNP/2008 | (71)Name of Applicant : HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. Address of Applicant :11445 Compaq Center Drive West, Houston, Texas 77070, United States of America U.S.A. (72)Name of Inventor : DOUMAUX, Howard BURNS, Kathryn Nifong MAHLI, David, Maurice |
|--|--|--|
| Filed on | :15/05/2008 | |

(54) Title of the invention : PIGMENT-BASED INK SETS FOR INK-JET PRINTING

(57) Abstract :

Ink systems and combinations thereof that include neutral gray or black ink and at least one other pigment with matched lightfastness are disclosed. Also disclosed are methods of printing.

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

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(51) International classification :F02M59/36,F02M69/18 (71)Name of Applicant : (31) Priority Document No **1)ROBERT BOSCH GMBH** :10 2013 212 121.0 (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :25/06/2013 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2014/060884 (72)Name of Inventor: Filing Date :27/05/2014 1)MEISIEK Achim (87) International Publication No :WO 2014/206670 2)KOLB Stefan (61) Patent of Addition to Application **3)LANDENBERGER Tobias** :NA Number 4)HEBER Hans :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : FUEL METERING UNIT FOR A HIGH PRESSURE INJECTION SYSTEM

(57) Abstract :

The invention relates to a valve (14), in particular a fuel metering unit (15), comprising a valve cylinder (16), a valve piston (17) which is movable within the valve cylinder (16) between a closed position and open position such that in the closed position the valve (14) is closed and in the open position the valve (14) is open, a resilient valve element (37), in particular a valve spring (38), which is connected to the valve piston (17) and by means of which valve spring a force can be applied to the valve piston (17) in the opposite direction to a force which can be applied by an electromagnet (40) to the valve piston (17), such that the valve piston (17) can be moved between the closed position and the open position by means of the force applied by the resilient valve element (37) and the electromagnet (40) to the valve piston (17), a movable armature (42), which is mechanically operatively connected to the valve piston (17), for moving the valve piston (17), a plastic housing (18) which is constructed radially outside the coil (41), wherein the plastic housing (18) is additionally constructed radially inside the coil (41).

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

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND HEAT EXCHANGE SYSTEM UTILIZING VARIABLE PARTIAL BYPASS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | | (71)Name of Applicant : 1)LAIR LIQUIDE SOCIETE ANONYME POUR LETUDE ET LEXPLOITATION DES PROCEDES GEORGES CLAUDE Address of Applicant :75 quai dOrsay F 75007 Paris France (72)Name of Inventor : 1)KANG Taekyu |
|---|-----------------|--|
| (87) International Publication No | :WO 2014/210412 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Abstract: Temperature overshoot of internal components of a counter-flow shell and tube heat heat exchange may be reduced or avoided by adjusting the degree to which a tube-side fluid partially bypasses the heat exchanger.

No. of Pages : 70 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : AIR FRESHENER WITH CLIP | | |
|---|--|--|
| (54) Title of the invention : AIR FRESHE (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61L9/00,A61L9/01 :61/839138 :25/06/2013 :U.S.A. | (71)Name of Applicant : 1)SCENT2MARKET INC. Address of Applicant :1 Odell Plaza Suite 123 Yonkers NY 10701 U.S.A. (72)Name of Inventor : 1)DAMICO Daniel M. |

(57) Abstract :

The disclosure provides a fragrance distribution device including a housing. The housing has an aperture into which a hook, clip, adhesive peg, or other attaching device may be secured. This allows the housing to be placed into a vent or clipped to a surface at the convenience of a user. Typically the housing encloses a thermoplastic fragrance carrier.

No. of Pages : 24 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS AND COMPOSITIONS FOR TEMPLATED ASSEMBLY OF NUCLEIC ACID SPECIFIC HETEROCOMPOUNDS

| (51) International classification | :C12N15/11 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/831133 | 1)TRIBIOTICA LLC |
| (32) Priority Date | :04/06/2013 | Address of Applicant :1202 Ann Street Madison Wisconsin |
| (33) Name of priority country | :U.S.A. | 53713 U.S.A. |
| (86) International Application No | :PCT/US2014/040822 | (72)Name of Inventor : |
| Filing Date | :04/06/2014 | 1)DUNN Ian |
| (87) International Publication No | :WO 2014/197547 | 2)LAWLER Matthew |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | I |

(57) Abstract :

The present disclosure is directed methods and products for synthesizing and using targeted templated assembly reactants comprising at least one nucleic acid recognition moiety, at least one selectively- reactive moiety, and at least one effector partial moiety. The nucleic acid recognition moiety can bind a target nucleic acid sequence within a sample. The nucleic acid recognition moiety also can bind the selectively- reactive moiety. Additionally, the effector partial moiety can bind the selectively reactive moiety to produce an active effector structure. Also disclosed are methods of delivering the targeted templated assembly reactants and active effector structures formed from the targeted templated assembly reactants.

No. of Pages : 95 No. of Claims : 40

(22) Date of filing of Application :22/12/2015

(54) Title of the invention : STEAM TURBINE

(43) Publication Date : 13/05/2016

| (31) Priority Document No:10 20(32) Priority Date:30/09(33) Name of priority country:Germ(86) International Application No:PCT/Filing Date:12/08 | Image: F/EP2014/067194 (72)Name of Inventor : 08/2014 1)ASSMANN Ingo 0 2015/043815 2)MÜLLER Thilo 3)NEUBERG Tim 4)STÃ-BE Michael |
|--|--|
|--|--|

(57) Abstract :

The invention relates to a steam turbine (1) comprising a single-shell turbine casing (2) and specific inner casings (11, 21) arranged inside the turbine casing (2).

No. of Pages : 24 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS DECODER AND ENCODER FOR MANAGING VIDEO SEQUENCES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04N19/196,H04N19/42,H04N19/436 :NA :NA :NA :PCT/EP2013/077201 :18/12/2013 :WO 2015/090387 :NA :NA :NA | (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor : 1)SJÃ-BERG Rickhard 2)YU Ruoyang |
|---|--|--|
|---|--|--|

(57) Abstract :

Methods, a decoder (110) and encoder (120) for managing a video sequence while using at least a number of processing cores are disclosed. The video sequence represents a picture. The picture comprises a number of partitions, which are independent from each other with respect to decoding of the picture. The decoder (110) or the encoder (120) estimates a set of values, wherein each value of the set corresponds to a corresponding partition of the number of partitions, wherein each value relates to decoding time of its corresponding partition. The decoder (110) decodes or the encoder (120) encodes the number of partitions based on the decoding time as given by the set of values while using the number of processing cores, at least initially, in parallel. Moreover, corresponding computer programs and computer program products are disclosed.

No. of Pages : 49 No. of Claims : 40

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CONFIGURATION OF FORWARDING RULES USING THE ADDRESS RESOLUTION PROTOCOL

| (51) International classification | :H04L29/12,H04L12/24,H04L29/08 | (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) |
|---|--------------------------------|--|
| | :NA | Address of Applicant :S 164 83 Stockholm Sweden |
| (32) Priority Date | :NA | (72)Name of Inventor : |
| (33) Name of priority country | v:NA | 1)GAVRILOVIC Sasa |
| (86) International Application No Filing Date (87) International Publication | :02/08/2013 | 2)MATAUSIC Ivica |
| No | :WO 2015/014414 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | ¹ :NA :NA | |

(57) Abstract :

The invention relates to a method, by a host providing an application, to configure forwarding rules in a traffic distributor using an Address Resolution Protocol. In this method the host receives IP data packets distributed by the traffic distributor (200) to a plurality of different hosts (210, 220, 230) located in a first network (50) based on a predefined forwarding criterion contained in the forwarding rules, the host applying the application to the IP data packets. The method comprises the steps of determining, by the host (210), whether a predefined operating status of the host is met, wherein if the predefined operating status is met. A message is generated using the Address Resolution Protocol, the message containing information for which at least one characteristic of the predefined forwarding criterion the IP data packets should be forwarded to the host (210), the message furthermore containing a configuring indicator by which the traffic distributor (200) is initiated to generate the forwarding rule for the host taking into account the at least one characteristic contained in the message. The generated message is transmitted to the traffic distributor.

No. of Pages : 36 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : GENERATION OF HIGHLY POTENT ANTIBODIES NEUTRALIZING THE LUKGH (LUKAB) TOXIN OF STAPHYLOCOCCUS AUREUS

| (51) International classification | :C07K16/12,C07K14/31,G01N33/50 | (71)Name of Applicant : 1)ARSANIS BIOSCIENCES GMBH |
|---|-----------------------------------|--|
| (31) Priority Document No | :13168631.3 | Address of Applicant :Helmut Qualtinger Gasse 2 A 1030 |
| (32) Priority Date | :21/05/2013 | Vienna Austria |
| (33) Name of priority country | :EPO | (72)Name of Inventor : 1)NAGY Eszter |
| (86) International Application No Filing Date | :PCT/EP2014/060123 :16/05/2014 | 2)BADARAU Adriana 3)ROUHA Harald 4)MAGYARICS ZoltÃ;n |
| (87) International Publicatio No | ⁿ :WO 2014/187746 | 5)ZETTL Sophia 6)BATTLES Michael Benjamin |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The subject relates to an isolated Staphylococcus aureus leukocidin antigen comprising a LukGH complex, an antibody specifically binding to the Luk GH complex, and the human CD1 lb/CD18 complex for use in a method of determining the binding or toxicity of the Staphylococcus aureus Luk GH bi-component cytolysin.

No. of Pages : 105 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :F16L17/025 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/923468 | 1)S & B TECHNICAL PRODUCTS INC. |
| (32) Priority Date | :21/06/2013 | Address of Applicant :1300 E. Berry Street Fort Worth TX |
| (33) Name of priority country | :U.S.A. | 76119 U.S.A. |
| (86) International Application No | :PCT/US2014/037487 | (72)Name of Inventor : |
| Filing Date | :09/05/2014 | 1)MONTEIL Guillermo |
| (87) International Publication No | :WO 2014/204591 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : SECURED IN PLACE GASKET FOR SEALING PIPELINES

(57) Abstract :

A pipe sealing gasket is shown which is designed to be received within a raceway provided within a socket end of a female bell plastic pipe end which is assembled with a mating male pipe end to form a plastic pipe joint. The raceway in the female bell plastic pipe end is preformed during manufacture and the gasket is installed thereafter. The gasket has a rubber body portion which is reinforced by a hard plastic band formed as a series of integral, spaced wedges which are interconnected by a flexible ribbon. The hard plastic band acts to prevent extrusion of the gasket during a variety of pressure conditions as well as preventing displacement during field assembly.

No. of Pages : 29 No. of Claims : 14

(22) Date of filing of Application :22/12/2015

(21) Application No.11652/DELNP/2015 A

(43) Publication Date : 13/05/2016

| (54) Title of the invention : A F | AN ASSEMBLY | |
|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F04D25/10,F24F7/007,F04F5/16 :1312331.0 :09/07/2013 :U.K. :PCT/GB2014/051880 :19/06/2014 :WO 2015/004418 :NA :NA :NA | (71)Name of Applicant : 1)DYSON TECHNOLOGY LIMITED Address of Applicant :Tetbury Hill Malmesbury Wiltshire SN16 0RP U.K. (72)Name of Inventor : 1)HODGSON Christopher 2)LEWIS Darren 3)ELSDON India |

(57) Abstract :

A fan assembly includes a base and a body which includes an air inlet, an impeller and a motor for driving the impeller to draw an air flow through the air in let. The fan assembly also includes an air outlet and an interior passage for conveying air to the air outlet, and which extends about an opening through which air from out side the fan assembly is drawn by air emitted from the air outlet. A motorized oscillation mechanism housed within the base oscillates the body relative to the base about an oscillation axis. The oscillation mechanism includes a second motor, a drive member driven by the second motor, and a driven member which is driven by the drive member to rotate about the oscillation axis. The driven member is connected to the base for rotation relative thereto, and the body is mounted on the driven member for rotation therewith. Interlocking members retain the body on the driven member. The interlocking members serve to guide tilting movement of the body relative to the base about a tilt axis.

No. of Pages : 46 No. of Claims : 41

(21) Application No.11653/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :B65D88/00,B65D88/12 :1301193 :25/05/2013 :France | (71)Name of Applicant : 1)MILED Mohamed Sahbi Address of Applicant :50 Rue Ibn Khaldoun 5035 Sayada TUNISIA |
|---|--|--|
| (86) International Application No Filing Date(87) International Publication No | :PCT/TN2014/000004 :15/05/2014 :WO 2014/193317 | (72)Name of Inventor : 1)MILED Mohamed Sahbi |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : EXPANDABLE MULTIMODAL TRANSPORT CONTAINER

(57) Abstract :

The pr \tilde{A} ©sent invention relates to the field of ISO containers that are adjustable lengthwise, and more specifically to an optimised use of such adjustable ISO containers. This invention, and the claims related to same, were the subject of a patent application filed in France in late May 2013 by the same applicant and inventor, Mr. Mohamed Sahbi Miled. Figure 1 illustr \tilde{A} ¢tes a three-dimensional view of the solution, an example of an ISO container according to the pr \tilde{A} ©sent invention in the elongated configuration of same. In particular, figure 1 illustr \tilde{A} ¢tes a fixed central portion (1) corresponding to an ISO container of size A, which is \tilde{A} ©quivalent to a length L0 of twenty (20) feet; a left-hand movable portion (2a) of size ((B-A)/2)), which is \tilde{A} ©quivalent to a length L2 of ten (10)feet; and a right-hand movable portion (2b) of size ((B-A)/2)), which is \tilde{A} ©quivalent to a length L1 of ten (10) feet.

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

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITIONS AND METHODS COMPRISING A POLYAMINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :A01P1/00,A01N33/04,A01N37/18 :61/826453 :22/05/2013 :U.S.A. :PCT/US2014/039039 :21/05/2014 :WO 2014/190096 | (71)Name of Applicant : 1)CURZA GLOBAL LLC Address of Applicant :5152 Edgewood Drive Suite 375 Provo Utah 84604 U.S.A. 2)UNIVERSITY OF UTAH RESEARCH FOUNDATION (72)Name of Inventor : 1)LOOPER Ryan 2)WILLIAMS Dustin 3)JEYAPALINA Sujeevini 4)HAUSSENER Travis 5)SERAHAP Powl P |
|--|---|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 5)SEBAHAR Paul R. 6)REDDY Hariprasada R. Kanna |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Compounds, compositions, and methods comprising a polyamine compound are described, which may be used to kill, disperse, treat, or reduce biofilms, or to inhibit or substantially prevent biofilm formation. In certain aspects, the present invention relates to compounds, compositions, and methods comprising polyamine compounds that have antimicrobial or dispersing activity against a variety of bacterial strains capable of forming biofilms.

No. of Pages : 254 No. of Claims : 50

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : WORM SHAFT

(51) International classification :F16H55/22,F16H55/06 (71)Name of Applicant : (31) Priority Document No 1)EJOT GMBH & CO. KG :10 2013 105 478.1 Address of Applicant : AstenbergstraÄŸe 21 57319 Bad (32) Priority Date :28/05/2013 (33) Name of priority country Berleburg Germany :Germany (86) International Application No (72)Name of Inventor : :PCT/EP2014/060996 1)KIND Andreas Filing Date :27/05/2014 (87) International Publication No :WO 2014/191434 2)PINZL Wilfried (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention relates to a worm shaft (10), comprising a first component (12), which bears a first screw flight (14) and which has a first worm shaft end, and a second component (18), which has a second worm shaft end, wherein the axial extension (A) of the worm shaft (10) is defined by the spacing of the first worm shaft end to the second worm shaft end, wherein the axial extension (A) is fixed by connecting the first and the second components (12, 18) at a predefined spacing by means of an attachment member. The invention is characterised in that the axial extension (A) of the worm shaft (10) is set by the axial extension (A) of the attachment member.

No. of Pages : 11 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CASE AND CASE HOLDER FOR BIOLOGICAL SAMPLES AND CORRESPONDING METHOD OF USE

(57) Abstract :

A system for processing a plurality of biological samples contains a support and a temperature controller. The support is configured to hold a case that includes an inner chamber and a substrate located within the inner chamber, the substrate containing a plurality of isolated reaction sites containing one or more biological samples. The temperature controller is configured to maintain or control a temperature of at least one of the support, the case, or the one or more biological samples during an assay or reaction on the one or more biological samples. The support is also configured to maintain at least one of the surfaces of substrate at a positive angle relative to a horizontal plane during the assay or reaction.

No. of Pages : 59 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :F01L13/06 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/859598 | 1)CUMMINS INC. |
| (32) Priority Date | :29/07/2013 | Address of Applicant :500 Jackson Street Columbus IN 47201 |
| (33) Name of priority country | :U.S.A. | U.S.A. |
| (86) International Application No | :PCT/US2014/044347 | (72)Name of Inventor : |
| Filing Date | :26/06/2014 | 1)LYNCH Bradford |
| (87) International Publication No | :WO 2015/017057 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : ENGINE BRAKE LASH ADJUSTER DEVICE AND METHOD

(57) Abstract :

A compression brake device and method are provided that include a lash member coupled to a rocker arm. The lash member has a first position that forces opening of the valve when the rocker arm is at the lower position. The brake also includes a lost motion cylinder at least partially defined within the rocker arm. The cylinder is biased towards a position of greatest internal displacement volume. The lost motion cylinder has a first operational mode wherein the lost motion cylinder permits compression thereof such that the ability of the rocker arm to open an exhaust valve is a function of the position of the lash member. The lost motion cylinder has a second operational mode wherein the lost motion cylinder retards compression thereof such that the ability of the rocker arm to open an exhaust valve is independent of the position of the lash member.

No. of Pages : 16 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITION COMPRISING A BUFFERED LACTIC ACID

(57) Abstract :

The present invention relates to a composition comprising a buffered lactic acid having a pH within the range of from 3.0 to 6.5 characterized in that the composition is a lubricant composition and that the composition has a water activity of from 0.03 to 0.60. The friction between the absorbent product and the skin/mucous membrane of the user is reduced when in contact with the skin or mucous membrane of the user. An additional advantage is that the composition has a pH in the acidic range which is close to the pH of the skin and/or mucous membrane.

No. of Pages : 35 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :23/12/2015

(54) Title of the invention · LITTER BOX FOR ANIMALS

(43) Publication Date : 13/05/2016

| (34) The of the invention . EITTER BOX FOR ANIMALS | | |
|--|---------------------|---|
| | | |
| (51) International classification | :A01K1/01,A01K23/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2013120266 | 1)UNICHARM CORPORATION |
| (32) Priority Date | :06/06/2013 | Address of Applicant :182 Shimobun Kinsei cho Shikokuchuo |
| (33) Name of priority country | :Japan | shi Ehime 7990111 Japan |
| (86) International Application No | :PCT/JP2014/064016 | (72)Name of Inventor : |
| Filing Date | :27/05/2014 | 1)TAKAGI Chiyo |
| (87) International Publication No | :WO 2014/196418 | 2)KANEKO Shinya |
| (61) Patent of Addition to Application | .NI A | 3)HIRAO Tomoko |
| Number | :NA | 4)NAMIKAWA Nobuharu |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Provided is a litter box for animals in which a suitable amount of excretion treating agent can be determined visually. A litter box (1) for animals is provided with a granule accommodating container (2) that accommodates a plurality of granules (5). The granule accommodating container (2) is provided with: a container main body (20), which has a lower surface part (21) and a side wall part (22) standing upfixim the peripheral edge (23) of the lower surface part (21); and a protruding part (40), which has a protruding part lower surface (41), which sticks out toward the outside : from the side wall part (22) on the container main body (20) and i s curved at a prescribed angle with respect t o the side wall part (22), and a protruding part side wall (42). The lower end part of the protruding part lower surface (41) is positioned above the upper end part of the lower surface part (21).

No. of Pages : 29 No. of Claims : 7

(21) Application No.11310/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Evident Date | :61/832450 :07/06/2013 :U.S.A. :PCT/IB2014/062010 :06/06/2014 :WO 2014/195915 :NA :NA :NA | (71)Name of Applicant : 1)SCIENTIFIC DESIGN COMPANY INC. Address of Applicant :49 Industrial Ave Little Ferry 07643 1901 U.S.A. (72)Name of Inventor : 1)LAHIRI Sandip K. 2)HUSAIN Mansoor |
|--|---|---|
| Filing Date | :NA | |

(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING A PROCESS

(57) Abstract :

The present invention concerns a system for monitoring a process determined by a set of process data in a multi dimensional process data domain pertaining to process input output data the system comprising: means for acquiring a plurality of historic process data sets; means for obtaining a transformation from the multidimensional process data domain to a model data domain of lower dimension by performing multivariate data analysis; and means for transforming a current process data set to a model data set to monitor the process. It further concerns a method for monitoring a process determined by a set of process data in a multi¬ dimensional process data domain representing process input output data the method comprising: acquiring a plurality of historic process data sets; obtaining a transformation from the multidimensional process data domain to a model data domain of lower dimensional process multivariate data analysis; and transforming a current process data set to a model data domain of lower dimension by performing multivariate data analysis; and transforming a current process data set to a model data domain of lower dimension by performing multivariate data analysis; and transforming a current process data set to a model data set to monitor the process.

No. of Pages : 65 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : THE SYNTHESIS OF NEW ANIONIC SURFACTANTS AND THEIR USE AS COLLECTORS IN FROTH FLOTATION OF NON SULPHIDIC ORES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B03D1/016 :13175270.1 :05/07/2013 :EPO :PCT/EP2014/064014 :02/07/2014 :WO 2015/000931 :NA :NA :NA :NA | (71)Name of Applicant : 1)AKZO NOBEL CHEMICALS INTERNATIONAL B.V. Address of Applicant :Stationsstraat 77 NL 3811 MH Amersfoort Netherlands (72)Name of Inventor : 1)SMOLKO SCHVARZMAYR Natalija 2)KLINGBERG Anders |
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(57) Abstract :

The present invention relates to a compound obtainable by reacting an N acyl neutral amino acid or a salt thereof or an N acyl neutral amino acid oligopeptide or a salt thereof with a monohydroxy monocarboxylic acid or a salt thereof. This compound is useful as a collector in a process for froth flotation of non sulfidic ores especially phosphate ores. The invention also relates to a method which comprises the steps of a) conditioning a pulped phoshate ore wherein the phosphate ore comprises a calcium phosphate mineral or a mixture of such minerals and gangue minerals with an effective amount of a calcium phosphate mineral collector reagent which is the above mentioned compound and optionally other flotation aids and b) performing a froth flotation process to recover the calcium phosphate mineral(s).

No. of Pages : 15 No. of Claims : 13

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE RECOVERY OF E CAPROLACTAM FROM EXTRACT WATER (51) International classification :C07D201/16 (71)Name of Applicant : (31) Priority Document No **1)TECHNIP ZIMMER GMBH** :10 2013 107 238.0 Address of Applicant :Olof Palme Strasse 35 60439 Frankfurt (32) Priority Date :09/07/2013 (33) Name of priority country :Germany am Main Germany (86) International Application No :PCT/EP2014/064462 (72)Name of Inventor : Filing Date :07/07/2014 1)BORMANN Andreas (87) International Publication No :WO 2015/004062 2)ALBRECHT Manfred (61) Patent of Addition to Application **3)SAMLITSCHKA Franz** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A process for the recovery of e-caprolactam from extract water of polycaprolactam obtained by hydrolytic polymeriz ation, wherein the extract water is concentrated, subsequently contained oligomers are depolymerized, non-depolymerizable impurities are separated, water and low-boiling impurities are removed, wherein for adjusting the purity of the recovered e -caprolactam and the energy consumption used for the process a part of the product is removed from the process as intermediate products.

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

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(71)Name of Applicant : 1)THE CALIFORNIA INSTITUTE FOR BIOMEDICAL (51) International classification :A01N43/40 (31) Priority Document No RESEARCH :61/832768 :07/06/2013 (32) Priority Date Address of Applicant :11119 North Torrey Pines Road Suite (33) Name of priority country 100 La Jolla CA 92037 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/041174 2) THE SCRIPPS RESEARCH INSTITUTE Filing Date (72)Name of Inventor : :05/06/2014 (87) International Publication No :WO 2014/197738 1)LAIRSON Luke (61) Patent of Addition to Application 2)BOLLONG Michael :NA Number 3)SCHULTZ Peter G. :NA Filing Date 4)CHATTERJEE Arnab K. (62) Divisional to Application Number :NA 5)YANG Baiyuan Filing Date **6)KUMAR Puneet** :NA 7)URKALAN Kaveri

(54) Title of the invention : SMALL MOLECULE INHIBITORS OF FIBROSIS

(57) Abstract :

Described herein are compounds and compositions for the treatment of a fibrotic disease.

No. of Pages : 166 No. of Claims : 74

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PLANT WITH ALTERED CONTENT OF STEROIDAL GLYCOALKALOIDS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :02/06/2014 :WO 2014/195944 | (71)Name of Applicant : 1)YEDA RESEARCH AND DEVELOPMENT CO. LTD. Address of Applicant :at the Weizmann Institute of Science P.O.Box 95 7610002 Rehovot Israel (72)Name of Inventor : 1)AHARONI Asaph 2)ITKIN Maxim |
|---|--------------------------------|---|
| (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 relates to genetically modified plants by key genes involved in the biosynthesis of steroidal alkaloids. These plants have altered content of steroidal (glyco)alkaloids. Solanaceous crop plants with reduced content of antinutri tional steroidal glycoalkaloids are provided.

No. of Pages : 95 No. of Claims : 35

(21) Application No.10215/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LOW POUR POINT RENEWABLE FUEL BLEND

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | 9 :PCT/US2012/031531 :30/03/2012 :WO 2012/151016 :NA :NA | (71)Name of Applicant : CHEVRON U.S.A. INC. Address of Applicant :6001 Bollinger Canyon Road San Ramon California 94583 U.S.A. CHEVRON ORONITE COMPANY LLC (72)Name of Inventor : ZHOU Guangci ROBY Stephen Harold BRAFMAN Rebecca |
|---|--|--|
| Number Filing Date | :NA :NA | |

(57) Abstract :

A renewable fuel blend and a process for producing a renewable fuel blend are described. The blend includes biologically derived C13 to C18 normal paraffins which are provided to the blend in quantities such that blend does not require a pour point reducing treatment to achieve a low pour point. In embodiments the normal paraffins are produced in an upgrading process such as a hydrotreating process.

No. of Pages : 29 No. of Claims : 15

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI SEIZING BOLT

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|--|--------------------|---|
| | | |
| (51) International classification | :F16B35/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2012125938 | 1)AOYAMA SEISAKUSHO CO. LTD. |
| (32) Priority Date | :01/06/2012 | Address of Applicant :1 8 Takahashi Oguchi cho Niwa gun |
| (33) Name of priority country | :Japan | Aichi 4800198 Japan |
| (86) International Application No | :PCT/JP2013/061175 | (72)Name of Inventor : |
| Filing Date | :15/04/2013 | 1)KONAGAYA Satoshi |
| (87) International Publication No | :WO 2013/179788 | 2)YAMADA Kenya |
| (61) Patent of Addition to Application | :NA | 3)KOGA Kazuhiro |
| Number | :NA | |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Provided is an anti seizing bolt capable of preventing seizing caused by the infiltration of sputter and other foreign material as well as seizing caused by oblique insertion. An incompletely threaded part (12) the outer diameter d of which is larger than the inner diameter D1 of female threads (20) and smaller than (D+D1)/2 (where D is the nominal diameter of the bolt) is formed across a pitch of one or greater at the tip of a regular threaded part (11) which is formed on a bolt shaft part. In addition a vertical groove (14) is formed in this incompletely threaded part (12) to cut away sputter and other foreign material.

No. of Pages : 21 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : THERMALLY CONDUCTIVE THERMOPLASTIC COMPOSITIONS

| (51) International classification :C08L101/00,C08K3/04,H01B1 (31) Priority Document No :13/160740 (32) Priority Date :15/06/2011 (33) Name of priority country :U.S.A. (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) Date (64) Patent of Addition to Application Number Filing Date (65) Divisional to Application Number Filing Date (65) Divisional to Application Sumptified Patent Sumptif | I/24 (71)Name of Applicant : 1)BAYER MATERIALSCIENCE LLC Address of Applicant :100 Bayer Road Pittsburgh PA 15001 U.S.A. 2)THERMAL SOLUTION RESOURCES LLC (72)Name of Inventor : 1)LI Xiangyang 2)SAGAL Mikhail |
|--|---|
|--|---|

(57) Abstract :

The present invention provides a composition containing about 90% to about 30% of at least one amorphous thermoplastic or at least one semi crystalline thermoplastic or a mixture thereof and about 10% to about 70% of expanded graphite wherein about 90% of the particles of the expanded graphite have a particle size of at least about 200 microns. The inventive compositions may find use in LED heat sink applications.

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

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : VACUUM EXPANDED DRY COMPOSITION AND SYRINGE FOR RETAINING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PA 2013 70342 :21/06/2013 :Denmark :PCT/EP2014/063041 :20/06/2014 :WO 2014/202760 :NA :NA | (71)Name of Applicant : 1)FERROSAN MEDICAL DEVICES A/S Address of Applicant :Sydmarken 5 DK 2860 SÃ,borg Denmark (72)Name of Inventor : 1)LARSEN Kristian 2)MORTENSEN Michael Wrang |
|---|---|---|
|---|---|---|

(57) Abstract :

The present disclosure relates to a method for vacuum expansion of a paste prior to freeze-drying said paste to o achieve a dry paste composition which reconstitutes efficiently to form a flowable paste upon addition of an aqueous medium. The present disclosure further relates to a syringe for retaining a dry paste composition in a vacuum.

No. of Pages : 118 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : AZOLE SILANE COMPOUND SURFACE TREATMENT SOLUTION SURFACE TREATMENT METHOD AND USE THEREOF

(57) Abstract :

The purpose of the present invention is to provide a novel azole silane compound and a synthesis method thereof as well as a silane coupling agent having this azole silane compound as an ingredient and to provide a surface treatment solution using this azole silane compound a surface treatment method, and a method for bonding materials of two different substances. This azole silane compound is a compound shown by a specific chemical formula (I-1) or (II-1).

No. of Pages : 95 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : LIQUID MOLDING COMPOSITIONS | | |
|---|---------------------|--|
| | | |
| (51) International classification | :C08G61/08,C08F4/80 | (71)Name of Applicant : |
| (31) Priority Document No | :61/842885 | 1)MATERIA INC. |
| (32) Priority Date | :03/07/2013 | Address of Applicant :60 N. San Gabriel Boulevard Pasadena |
| (33) Name of priority country | :U.S.A. | CA 91107 3478 U.S.A. |
| (86) International Application No | :PCT/US2014/045440 | (72)Name of Inventor : |
| Filing Date | :03/07/2014 | 1)CRUCE Christopher J. |
| (87) International Publication No | :WO 2015/003147 | 2)GIARDELLO Michael A. |
| (61) Patent of Addition to Application | :NA | 3)TRIMMER Mark S. |
| Number | :NA | 4)STEPHEN Anthony R. |
| Filing Date | .NA | 5)BOOTHE Paul W. |
| (62) Divisional to Application Number | :NA | 6)EDGECOMBE Brian |
| Filing Date | :NA | 7)MOORE Jason L. |

(57) Abstract :

The present invention relates to methods and compositions for olefin metathesis. More particularly, the present invention relates to methods and compositions for ring opening metathesis polymerization (ROMP) reactions and the manufacture of polymer articles and/or polymer composite articles via ROMP Polymer products produced via the metathesis reactions of the invention may be utilized in a wide range of materials and composite applications. The invention has utility in the fields of polymer and materials chemistry and manufacture.

No. of Pages : 112 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ARTICLE METHOD OF FORMING AN ARTICLE AND APPARATUS FOR FORMING AN ARTICLE

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A44C27/00,A44C9/00,A44C5/00 :1311301.4 :25/06/2013 :U.K. :PCT/GB2014/051948 :25/06/2014 :WO 2014/207468 :NA :NA | (71)Name of Applicant : 1)ALLIED GOLD LIMITED Address of Applicant :Victoria House 44 45 Queens Road Coventry West Midlands CV1 3EH U.K. (72)Name of Inventor : 1)QUAYLE Christopher |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method of forming an article such as a jewellery ring or bangle comprising: providing a first substantially annular-sectioned element (120R) and a second substantially annular-sectioned element (130R), an outer diameter of the first element (120R) being less than an inner diameter of the second element (130R); forming a circumferential groove (125) in one of the first and second elements (120R, 130R) by a process of rolling; positioning the first and second elements (120R, 130R) together with the second element (130R) positioned circumferentially around the first element (120R); and expanding the first element (120R) such that the circumferential groove (125) in the one element receives therein the other of the said elements.

No. of Pages : 59 No. of Claims : 46

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

POLICIES IN A COMMUNICATION NETWORK (51) International classification :G06F7/04 (71)Name of Applicant : (31) Priority Document No 1)CISCO TECHNOLOGY, INC. :60/771,513 (32) Priority Date Address of Applicant :170 West Tasman Drive San Jose, :07/02/2006 (33) Name of priority country California 95134-1706 United States of America U.S.A. :U.S.A. (86) International Application No :PCT/US2007/003403 (72)Name of Inventor : Filing Date :07/02/2007 1)ANDREASEN, Flemming, S. (87) International Publication No :wo 2007/092573 2)ROSENBERG, Jonathan, D. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :6751/DELNP/2008

:05/08/2008

(54) Title of the invention : METHODS AND SYSTEMS FOR PROVIDING TELEPHONY SERVICES AND ENFORCING

(57) Abstract :

Filed on

A system for providing feature services in a multimedia communication environment comprising comparing signaling messages with control data to identify service enablers and application servers responsive to the message Each responsive service enabler is invoked in accordance with an associated policy hook In another embodiment, a system for enforcing policy in a communication network includes a policy server that receives a request to invoke an application, receives a policy profile for a network user, and decides a proper allocation of network users based on the policy profile, the application, and available network resources The system also includes a network resource manager to monitor available network in the resources in the communication network and an application control point which is associated with the policy server and communicates with a SIP application The system uses policy peering between the home and visited network to enable user-specific policies to be enforced while roaming.

No. of Pages : 85 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMIDAZOLE DIKETONE COMPOUND AND USE THEREOF

| classification:C07D401/04,A01K31/4439,A01P3/28(31) Priority Document No :201310205281.X(32) Priority Date:29/05/2013(33) Name of priority country:China(86) International:PCT/CN2014/078528 | (71)Name of Applicant : 1)HINOVA PHARMACEUTICALS INC. Address of Applicant :Suite 801 Building C1 Tianfu Life Science Park No. 88 South Keyuan RoadHi Tech Zone ChengDu Sichuan 610041 China (72)Name of Inventor : 1)CHEN Yuanwei 2)GONG Yu |
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|--|--|

(57) Abstract :

Provided are imidazolidinedione compounds of formula (I), processes for preparation, uses and pharmaceutically compositions thereof. Said imidazolidinedione compounds possess androgen receptor antagonist activity and can be used for preventing and treating diseases and disorders related to androgen receptor, such as prostate cancer, alopecia, hair regeneration, acne and adolescent acne.

No. of Pages : 48 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SINTERED BEARING AND PROCESS FOR PRODUCING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application N Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :25/06/2014 | (71)Name of Applicant : 1)NTN CORPORATION Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku Osaka shi Osaka 5500003 Japan (72)Name of Inventor : 1)KURIMURA Tetsuya 2)ITO Fuyuki 3)KOMATSUBARA Shinji 4)UCHIYAMA Tadahiro |
|--|-------------|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This sintered bearing comprises a sintered metal formed using a metal powder mixture that comprises a copper powder and an iron powder. The metal powder mixture comprises 80 wt% or more particles having an average particle diameter smaller than 45 $\hat{A}\mu m$. The copper powder comprises an electrolytic copper powder ,and at least 40% by number of the electrolytic copper powder is accounted for by particles having a roundness of 0.64 or higher.

No. of Pages : 32 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ELECTRIC ACCUMULATOR ELECTRIC ACCUMULATION SYSTEM ELECTRONIC DEVICE ELECTRIC VEHICLE AND ELECTRIC POWER SYSTEM

| classification:H01M2/10,H01M2/20,H01M10/44(31) Priority Document No:2013138982(32) Priority Date:02/07/2013(33) Name of priority country:Japan(86) International Application:PCT/JP2014/002624No:19/05/2014 | (71)Name of Applicant : 1)SONY CORPORATION Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor : 1)SUGENO Naoyuki 2)AOYAMA Tsutomu 3)ADACHI Tatsuya |
|---|---|
|---|---|

(57) Abstract :

An electric accumulator is provided with an external case and two battery units housed in the external case. The battery units contain a battery case comprising a top case and a bottom case. Housed in the battery case is a battery block group wherein a plurality of rows of batteries are apposed in a direction approximately orthogonal to the row direction while being disposed into treioil shapes. In addition, housed in the battery case is a dividing plate immobilized between the top case and the bottom case, and inserted between facing and contiguous battery rows.

No. of Pages : 114 No. of Claims : 20

(22) Date of filing of Application :23/12/2015

(21) Application No.11703/DELNP/2015 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : INTUMESCENT COMPOSITION

| (5 1) Internet (1, 1, 1, 1, 1, 1) | COODE/10 | |
|---|--------------------|---|
| (51) International classification | :C09D5/18 | (71)Name of Applicant : |
| (31) Priority Document No | :13176653.7 | 1)AKZO NOBEL COATINGS INTERNATIONAL B.V. |
| (32) Priority Date | :16/07/2013 | Address of Applicant : Velperweg 76 NL 6824 BM Arnhem |
| (33) Name of priority country | :EPO | Netherlands |
| (86) International Application No | :PCT/EP2014/064891 | (72)Name of Inventor : |
| Filing Date | :11/07/2014 | 1)ANDERSON Michael |
| (87) International Publication No | :WO 2015/007627 | 2)KITTLE Kevin Jeffrey |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides a novel intumescent coating composition having excellent intumescent-properties comprising an organic polymer, a spumific and a specific additive, the additive comprising a combination of two different sources of metal/metalloid atoms. Also provided are substrates coated with the intumescent coating composition, a method of preparing an intumescent coating, and a method of protecting structures from heat/fire.

No. of Pages : 40 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ENERGY ABSORBING MEMBER :C08J9/00,C08K7/00,C08J3/20 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)KIMBERLY CLARK WORLDWIDE INC. :61/833996 (32) Priority Date :12/06/2013 Address of Applicant :2300 Winchester Road Neenah Wisconsin 54956 U.S.A. (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/IB2014/062029 Filing Date 1)TOPOLKARAEV Vasily A. :06/06/2014 (87) International Publication No :WO 2014/199277 2)MCENEANY Ryan J. (61) Patent of Addition to 3)SCHOLL Neil T. :NA Application Number 4)LORTSCHER Peter S. :NA Filing Date 5)MLEZIVA Mark M. (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

An energy absorbing member that contains a porous polymeric material is provided. The polymeric material is formed from a thermoplastic composition containing a continuous phase that includes a matrix polymer and within which a micro inclusion additive and nano inclusion additive are dispersed in the form of discrete domains, A porous net work is defined in the material that includes a plurality of nano pores having an average cross-sectional dimension of about 800 nano meters or less.

No. of Pages : 63 No. of Claims : 46

(22) Date of filing of Application :23/12/2015

(21) Application No.11705/DELNP/2015 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : POROUS POLYOLEFIN FIBERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :D01F6/46 :61/833981 :12/06/2013 :U.S.A. :PCT/IB2014/062016 :06/06/2014 :WO 2014/199269 :NA | (71)Name of Applicant : 1)KIMBERLY CLARK WORLDWIDE INC. Address of Applicant :2300 Winchester Road Neenah Wisconsin 54956 U.S.A. (72)Name of Inventor : 1)TOPOLKARAEV Vasily A. 2)MCENEANY Ryan J. 3)CARRILLO Antonio J. 4)ML FZIWA Mark M |
|---|--|--|
| | | |

(57) Abstract :

A poiyoiefin fiber that is formed by a thermoplastic composition containing a continuous phase that includes a poiyoiefin matrix polymer and nanoinclusion additive is provided. The nanoinclusion additive is dispersed within the continuous phase as discrete nano-scaie phase domains. When drawn, the nano-scaie phase domains are able to interact with the matrix in a unique manner to create a network of nanopores.

No. of Pages : 69 No. of Claims : 41

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : ABSORBEN | FPAD FOR MEN | |
|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61F13/15 :2013196227 :20/09/2013 :Japan | (71)Name of Applicant : 1)UNICHARM CORPORATION Address of Applicant :182 Shimobun Kinsei cho Shikokuchuo shi Ehime 7990111 Japan (72)Name of Inventor : 1)FUJIMOTO Kazuya 2)NAKAJIMA Kaiyo |

(57) Abstract :

Provided is an aosorbent pad for men which has a good it because the absorbent pad matches the shape of the body and a part of the absorbent pad protrudes outwards. This absorbent pad (10) for men has a longitudinal direction 'Y and a lateral direction (X) that are perpendicular to each other, a skin-facing surface and a non-skin-facing surface on the opposite side to the skin-facing surface, and a longitudinal axis (P) that bisects the absorbent pad in the lateral direction (X). The absorbent pad (10) for men comprises a pad body (20) having a liquid-permeable body-side liner (21), a liquid-impermeable back surface sheet (22), and a liquid-absorbing core (23) disposed between the body- side liner and the back surface sheet. The paa body (20) has fold induction grooves (40) that are recessed from the skin-facing surface towards the non-skin-facing surface, and said induction grooves have first grooves (41) that intersect with the longitudinal axis and extend at an angle, and second grooves (42) that intersect with the longitudinal axis and extend i n a direction intersecting with the first grooves. The point intersection (M) of the first grooves and the second grooves is positioned on the longitudinal axis.

No. of Pages : 52 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : A SYSTEM AND A CORRESPONDING METHOD FOR ESTIMATING RESPIRATORY DRIVE OF MECHANICALLY VENTILATED PATIENTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :PA 2013 70283 :24/05/2013 :Denmark :PCT/DK2014/050143 :22/05/2014 :WO 2014/187465 | (71)Name of Applicant : 1)MERMAID CARE A/S Address of Applicant :Hedelund 1 DK 9400 NÃ,rresundby Denmark (72)Name of Inventor : 1)REES Stephen Edward 2)KARBING Dan Stieper 3)RICO Sebastian Larraza |
|---|---|---|
| 6 | | |
| | :WO 2014/187465 | · • |
| (61) Patent of Addition to Application Number | :NA | 3)RICO Sebastian Larraza |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a system (10) and a corresponding method for estimating the respiratory drive (R_DRrVE) of mechanically ventilated patients, and for preferably apportioning this respiratory drive into one, or more, components related to the chemical drive - i.e. the drive due to the chemoreceptor response- and/or the muscular drive - i.e. the contraction of respiratory muscles, for example the diaphragm. The principle of the invention is that respiratory drive can be obtained from measuring the patient's response to small changes in mechanical ventilation settings (Vt SET), and that this can be apportioned into chemical and/or muscular effects depending upon the changes in respiratory frequency, and/or arterial or end tidal CO2 levels, and/or arterial blood p H.

No. of Pages : 44 No. of Claims : 18

(21) Application No.11710/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : POWER STORAGE DEVICE AND POWER STORAGE DEVICE CONTROL METHOD :H02J7/02,H01M10/44 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SONY CORPORATION :2013139368 (32) Priority Date :03/07/2013 Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 (33) Name of priority country :Japan Japan :PCT/JP2014/002837 (86) International Application No (72)Name of Inventor: Filing Date :29/05/2014 1)NAKAMURA Kazuo (87) International Publication No :WO 2015/001703 2)OZAWA Atsushi (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

This power storage device is provided with: a battery unit comprising multiple power storage element units arranged in rows, Â each power storage element unit having at least one power storage element; a cell balance circuit which is connected in parallel with the multiple power storage element units and which performs cell balance operations between the multiple power storage element units; a control unit which controls the cell balance current flowing through the cell balance circuit; a total current measurement unit which measures the current value of the total current flowing through the entire battery unit; and a cell balance current measurement unit which measures the current value of the cell balance current.

No. of Pages : 71 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : NEW AZABENZIMIDAZOLE DERIVATIVES

| classification (31) Priority Document No :13176929.1 (32) Priority Date :17/07/2013 (33) Name of priority :EPO | (71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH Address of Applicant :Binger Strasse 173 55216 Ingelheim Am Rhein Germany (72)Name of Inventor : 1)HIMMELSBACH Frank 2)LANGKOPF Elke 3)WAGNER Holger 4)REDEMANN Norbert |
|---|--|
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(57) Abstract :

The present invention relates to compounds of general formula (I), wherein the group R 1, R2, X and Y are defined as in claim 1, which have valuable pharmacological properties, in particular bind to the AMP-activated protein kinase (AMPK) and modulate its activity. The compounds are suitable for treatment and prevention of diseases which can be influenced by this receptor, such as metabolic diseases, in particular diabetes type 2.

No. of Pages : 152 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PRODUCTION METHOD FOR OPTICALLY ACTIVE ALCOHOL COMPOUND

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :PCT/JP2014/065771 :13/06/2014 | (71)Name of Applicant : 1)NISSAN CHEMICAL INDUSTRIES LTD. Address of Applicant :7 1 Kanda Nishiki cho 3 chome Chiyoda ku Tokyo 1010054 Japan (72)Name of Inventor : 1)KAWANAMI Hirotaka 2)NISHINO Yukihiro 3)MURASE Shota |
|--|--|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2014/200094 :NA :NA ¹ :NA :NA | |

(57) Abstract :

From the compound represented by formula (3), the optically active alcohol compound represented by formula (8) can be produced with high selectivity and in high yields, and an industrially useful production method and an intermediate of the compound can be provided. (In the formula , R represents a hydrogen atom , a Ci- C6 alkyl or a Ci- C6 alkyl optionally substituted by R^o r the like; R2 represents a cyano group or -CH2N(R5)R4; and R3 represents a C3- C8 cycloalkyl.)

No. of Pages : 70 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING POSITION FOR A PERMANENT MAGNET ELEVATOR MOTOR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H02K11/00,H02K29/06,H02K29/08 :13/940497 :12/07/2013 :U.S.A. :PCT/US2014/045682 :08/07/2014 :WO 2015/006283 :NA :NA :NA :NA | (71)Name of Applicant : 1)MAGNETEK INC. Address of Applicant :N49 W13650 Campbell Drive Menomonee Falls WI 53051 U.S.A. (72)Name of Inventor : 1)BACKMAN John 2)ANDERSON Garry |
|---|--|--|
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(57) Abstract :

A system for determining the angular position of a synchronous motor includes an encoder with a friction wheel engaging a rotating surface of the motor. The friction wheel is spun by the rotation of the motor, and the encoder generates a signal corresponding to the angular position of the friction wheel An independent sensor is provided to generate a pulse once per revolution of the motor. The independent sensor detects the presence of a target on the rotating surface of the motor and generates the pulse when the target is proximate to the sensor. A controller receives the signal corresponding to the angular position of the friction wheel as well as the pulse generated by the independent sensor to determine the angular position of the motor. The controller compensates the angular position of the motor each time the pulse is generated, correcting accumulated position error.

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

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ADJUSTING DRIVE IN PARTICULAR HEIGHT ADJUSTING DRIVE FOR A VEHICLE SEAT AND HAVING A CATCH DEVICE Т

| (51) International classification | :B60N2/16 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2013 011 515.9 | 1)JOHNSON CONTROLS GMBH |
| (32) Priority Date | :11/07/2013 | Address of Applicant :Industriestraße 20 30 51399 |
| (33) Name of priority country | :Germany | Burscheid Germany |
| (86) International Application No | :PCT/EP2014/063383 | (72)Name of Inventor : |
| Filing Date | :25/06/2014 | 1)STEMMER Jürgen |
| (87) International Publication No | :WO 2015/003905 | 2)GERDT Dmitrij |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(57) Abstract :

The present invention relates to an adjusting drive (1), in particular a height-adjusting drive, for a vehicle seat and having a drive part (2) that is connected to a lever and having an Output part (11) that is connected to an adjuster, for example the height adjuster, for the vehicle seat, an actuator (3) being arranged between the drive part and the Output part. The actuator is rotatably driven by the drive part (2) and, in turn, rotatably drives the Output part (11).

No. of Pages : 18 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CATALYST FOR CATALYTIC CRACKING OF HYDROCARBON AND PROCESS FOR PRODUCING SAME

| (51) International classification | :B01J29/08 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :NA | 1)JGC CATALYSTS AND CHEMICALS LTD. |
| (32) Priority Date | :NA | Address of Applicant :580 Horikawa cho Saiwai ku Kawasaki |
| (33) Name of priority country | :NA | shi Kanagawa 2120013 Japan |
| (86) International Application No | :PCT/JP2013/064690 | (72)Name of Inventor : |
| Filing Date | :28/05/2013 | 1)HAYASHI Shigenori |
| (87) International Publication No | :WO 2014/192070 | 2)ARAKAWA Seiji |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

The present invention relates to: a catalvst for catalytic cracking 01 nydrocaroons which, when used in the catalytic cracking of hydrocarbons, in particular, heavy-oil hydrocarbons, has excellent hydrothermal stability and the high ability to crack distillation residues (bottoms) and is excellent in terms of selectivity (high liquid yield, low gas yield, and low coke yield); and a process for producing the catalyst. The catalyst for catalytic cracking of hydrocarbons is characterized by comprising a faujasite-type zeolite, a matrix component, a phosphorus component, and a magnesium component, the content (C) of the faujasite-type zeolite being in the range 0 1 10-50 wt% in terms of solid amount, the phosphorus content (Cp) being in the range of 0 . 1-10 wt% m terms of P2O5, and the magnesium content(CM) being in the range of 0.05-3 wt% in terms of MgO.

No. of Pages : 67 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : STABLE COSMETIC COMPOSITION CONTAINING A MONOGLYCERIDE A TARTARIC ESTER OF MONOGLYCERIDE AND A COATED FILLER

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | n :A61K8/29,A61K8/37,A61Q19/00 :1356283 :28/06/2013 :France | (71)Name of Applicant : 1)LOREAL Address of Applicant :14 rue Royale F 75008 Paris France (72)Name of Inventor : |
|--|--|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2014/063445 :25/06/2014 :WO 2014/207066 | 1)CASSIN Guillaume 2)PORET FRISTOT Sylvie |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

The invention relates to a composition, in particular to a cosmetic composition, characterized in that it includes at least one monoglyceride and at least one tartaric ester of monoglyceride, and at least one coated pigment and/or minerai filler. The invention also relates to the use of a coated pigment and/or minerai filler in order to improve the stability of a composition, in particular of a cosmetic composition, including at least one monoglyceride and at least one diacetyl tartaric ester of monoglyceride. The invention further relates to a cosmetic care method using the composition according to the invention.

No. of Pages : 21 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G02B6/44 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/840641 | 1)CORNING OPTICAL COMMUNICATIONS LLC |
| (32) Priority Date | :28/06/2013 | Address of Applicant :800 17th Street NW Hickory NC 28601 |
| (33) Name of priority country | :U.S.A. | U.S.A. |
| (86) International Application No | :PCT/US2014/043632 | (72)Name of Inventor : |
| Filing Date | :23/06/2014 | 1)GIMBLET Michael John |
| (87) International Publication No | :WO 2014/209871 | 2)GREENWOOD Julian Latelle III |
| (61) Patent of Addition to Application | .NT A | 3)LAIL Jason Clay |
| Number | :NA | 4)MOZDY Eric John |
| Filing Date | :NA | 5)SEDDON David Alan |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : COUPLING SYSTEM FOR A FIBER OPTIC CABLE

(57) Abstract :

A fiber optic cable (110) includes a jacket (112) forming a cavity (114) therein, a stack (118) of fiber optic ribbons (120) located in the cavity, and a strength member (124,126) embedded in the jacket. The jacket forms a ridge (128,130) extending into the cavity lengthwise along the fiber optic cable. The ribbon stack (118) is spiraled through the cavity such that comers (138) of the ribbon stack pass by the ridge at intermittent locations along the length of the cable, where interactions between the ridge and the comers of the ribbon stack facilitate coupling of the ribbon stack to the jacket.

No. of Pages : 23 No. of Claims : 15

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : NANOCRYSTALLINE ZIRCONIA AND METHODS OF PROCESSING THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :61/840055 :27/06/2013 :U.S.A. | (71)Name of Applicant : 1)IVOCLAR VIVADENT INC. Address of Applicant :175 Pineview Drive Amherst NY 14228 U.S.A. (72)Name of Inventor : 1)BRODKIN Dmitri G. 2)WANG Yijun 3)TANG Ling 4)KHAN Ajmal 5)VERANO Anna B. |
|---|--------------------------------------|--|
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(57) Abstract :

Zirconia dental ceramics exhibiting opalescence and having a grain size in the range of 10 nm to 300 nm, a density of at least 99.5% of theoretical density, a visible light transmittance at or higher than 45% at 560 nm, and a strength of at least 800 MPa.

No. of Pages : 51 No. of Claims : 65

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| :B21B39/16 | (71)Name of Applicant : |
|--------------------|---|
| :61/838972 | 1)SIEMENS INDUSTRY INC. |
| :25/06/2013 | Address of Applicant :3333 Old Milton Parkway Alpharetta |
| :U.S.A. | Georgia 30005 4437 U.S.A. |
| :PCT/US2014/043618 | 2)ANDERSON, Matthew C |
| :23/06/2014 | (72)Name of Inventor : |
| :WO 2014/209860 | 1)ANDERSON Matthew C. |
| •NI A | |
| | |
| INA | |
| :NA | |
| :NA | |
| | :61/838972 :25/06/2013 :U.S.A. :PCT/US2014/043618 :23/06/2014 :WO 2014/209860 :NA :NA :NA |

(54) Title of the invention : WORM AND RACK REST BAR ASSEMBLY

(57) Abstract :

A rest bar assembly (40) for a guide (38) that is employed in a rolling mill (32) to direct a hot rolled product either entering or exiting from the roll pass of a roll stand. The rest bar assembly comprises a core extending transversely with respect to the mill pass line. A saddle (46) is movable along the core and is adapted to carry the guide. An adjustment mechanism serves to move the saddle along the core. The adjustment mechanism comprises a worm rack extending along a back side (42b) of the core, and a rotatable worm carried by the saddle and in meshed relationship with the worm rack.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : THERAPEUTICALLY ACTIVE 17- NITROGEN SUBSTITUTED ESTRATRIENTHIAZOLE DERIVATIVES AS INHIBITORS OF 17.BETA,-. HYDROXYSTEROID DEHYDROGENASE

| (51) International classification (31) Priority Document No | n:C07J43/00,C07J71/00,A61K31/58 :20135694 | (71)Name of Applicant : 1)FORENDO PHARMA LTD |
|---|--|---|
| (32) Priority Date | :25/06/2013 | Address of Applicant :ItĤinen PitkĤkatu 4 B FI 20520 |
| (33) Name of priority country | :Finland | Turku Finland |
| (86) International Application No Filing Date | :PCT/FI2014/050518 :25/06/2014 | (72)Name of Inventor :1)ELORANTA Maire2)HIRVELÃ., Leena |
| (87) International Publication No | :WO 2014/207310 | 3)KANGAS Lauri 4)KOSKIMIES Pasi |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 5)LAMMINTAUSTA Risto 6)UNKILA Mikko |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to compounds of formula (I) and pharmaceutically acceptable salts thereof wherein R2to R7are as defined in the claims. The invention further relates to their use as inhibitors of 17ÃY- HSD and in treatment or prevention of steroid hormone dependent diseases or disorders, such as steroid hormone dependent diseases or disorders requiring the inhibition of the 17ÅŸ-HSD1 enzyme and/or requiring the lowering of the endogenous estradiol concentration. The present invention also relates to the preparation of the aforementioned compounds and to pharmaceutical compositions comprising as an active ingredient(s) one or more of the afore mentioned compounds or pharmaceutically acceptable salts thereof.

No. of Pages : 127 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PREPARATION OF GRIGNARD REAGENTS USING A FLUIDIZED BED

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :PCT/EP2014/063704 :27/06/2014 :WO 2014/207206 | (71)Name of Applicant : 1)DPX HOLDINGS B.V. Address of Applicant :Kabelweg 37 NL 1014 BA Amsterdam Netherlands (72)Name of Inventor : 1)THATHAGAR Mehul 2)POECHLAUER Peter 3)REINTJENS Rafael Wilhelmus Elisabeth Ghislain 4)GOLDBACH Michel |
|--|--|--|
| (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 relates to a process of preparing a Grignard reagent comprising reacting magnesium particulates in a fluid bed re actor. The present invention further relates to a continuous process comprising fluidizing magnesium particulates in a reactor, forming the Grignard reagent continuously, and reacting the Grignard reagent with a substrate.

No. of Pages : 27 No. of Claims : 37

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE ISOLATION OF LEVULINIC ACID

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :PCT/EP2014/064796 :10/07/2014 | (71)Name of Applicant : 1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands (72)Name of Inventor : 1)WOESTENBORGHS Pierre Louis 2)ALTINK Rinke Marcel |
|--|-----------------------------------|--|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Applicatior Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a process for the isolation of levulinic acid from an organic solution, comprising washing said organic solution with an alkaline aqueous stream to yield a washed organic solution; subjecting the washed organic solution to a distillation to yield a distillate and a distillation residue; and recovering levulinic acid from the distillate or the residue. This process may result in high yields of levulinic acid.

No. of Pages : 17 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : FLUID OR POWDERY PRODUCT DISPENSING DEVICE

| classification:A61M11/02,A61M15/00,B05B11/061(31) Priority Document No:1356667Neu(32) Priority Date:05/07/2013Neu(33) Name of priority country:France(72(86) International Application No:PCT/FR2014/0517382(33) Name of No:04/07/20143 | 71)Name of Applicant : 1)APTAR FRANCE SAS Address of Applicant :BP G Le Prieuré F 27110 Le Veubourg France 72)Name of Inventor : 1)BAILLET Matthieu 2)LE MANER François 3)POULLAIN Franck 4)KEHRER Holger |
|---|---|
|---|---|

(57) Abstract :

A fluid or powdery product dispensing device comprises a dispensing outlet (10), an air ejector (20) comprising a piston (21) that slides in an air chamber (22) to generate an air flow when the device is actuated, and at least one $r\tilde{A}$ ©servoir (30) containing a unit dose of the product, the $r\tilde{A}$ ©servoir comprising an air inlet (3 1) with a product retaining member (40) and a product outlet (32) closed by a closing \tilde{A} ©l \tilde{A} ©ment (50), the device comprising a mechanical opening System (61, 62) for ejecting the closing \tilde{A} ©l \tilde{A} ©ment mechanically from its closing position, the piston of the air ejector cooperating, in the rest position, in a non-sealing manner with the air chamber in order to connect the air chamber to the atmosph \tilde{A} "re.

No. of Pages : 35 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

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

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :PCT/JP2013/067878 :28/06/2013 | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor : 1)KATAYAMA Masaaki 2)HASHIZUME Takeshi |
|---|-----------------------------------|---|
| (62) Divisional to Application Number Filing Date | ¹ :NA :NA | |

(57) Abstract :

This control device for an internal combustion engine is used in an internal combustion engine for which EGR gas and condensation water generated b y an EGR cooler are supplied to the interior of the air cylinders. This control device calculates an equivalent ratio for the internal combustion engine, and controls an EGR valve and a condensation water supply valve such that the supply ratio of the condensation water is higher and the supply rate of the EGR gas is lower when the equivalent ratio is higher.

No. of Pages : 45 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MODULATION OF TARGETED NERVE FIBERS

(57) Abstract :

According to various embodiments systems devices and methods for modulating targeted nerve fibers (e.g. hepatic neuromodulation) are provided. The systems may be configured to access tortuous anatomy of or adjacent hepatic vasculature. The systems may be configured to target nerves within a wall of (e.g. within adventitia surrounding a lumen of) an artery or other blood vessel such as the common hepatic artery.

No. of Pages : 274 No. of Claims : 49

(19) INDIA

(22) Date of filing of Application :11/12/2015

(43) Publication Date : 13/05/2016

:G01N1/22,G01N33/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :13508015 **1)PROVTAGAREN AB** (32) Priority Date :28/06/2013 Address of Applicant :Box 461 S 281 24 Hässleholm (33) Name of priority country :Sweden Sweden (86) International Application No :PCT/SE2014/050821 (72)Name of Inventor: Filing Date :30/06/2014 1)SKARPING Gunnar (87) International Publication No :WO 2014/209219 **2)DALENE Marianne** (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : METHOD FOR VERIFYING CORRECT FUNCTION OF SAMPLING EQUIPMENT

(57) Abstract :

The invention relates to methods for verification of correct function of sampling equipment is disclosed wherein said method comprises the steps of: a) providing a pump assembly (1) comprising an inlet (2) and an outlet (3) a flow channel (4) extending between said inlet (2) and outlet (3) a pump located along said flow channel (4) adapted to force an gas flow through said flow channel (4) a first mass flow sensor (6)located inside said flow channel (4) a first pressure sensor (7) located near said first mass flow sensor (6) adapted to measure a first pressure inside said flow channel (4) and a second pressure sensor (8) located outside said flow channel (4) and a second pressure sensor (8) located outside said flow channel (4) and a second pressure sensor (8) located outside said flow channel (4) and a second pressure sensor (8) located outside said flow channel (4) and a second pressure sensor (8) located outside said flow channel (4) and a second pressure sensor (8) located outside said flow channel (4) and a second pressure being the ambient atmospheric pressure b) calculating the pressure difference between said first pressure and said second pressure c) calculating any error in an output signal from the mass flow meter by comparing said pressure difference with a value in a pre calibrated table of mass flow output signal values as a function of said pressure difference d) providing an error signal comprising a value of said calculated error if said value of said calcula

No. of Pages : 36 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PARKING ASSISTANCE SYSTEM AND METHOD FOR CONTROLLING A PARKING ASSISTANCE SYSTEM FOR A VEHICLE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Eiling Date | :102013213225.5 :05/07/2013 :Germany :PCT/EP2014/059728 :13/05/2014 :WO 2015/000620 :NA :NA :NA | (71)Name of Applicant : ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart (72)Name of Inventor : HEIGELE Christian MIELENZ Holger |
|---|---|--|
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

The invention relates to a method for Controlling a parking assistance System for a vehicle (1), particularly for a motor vehicle, wherein a stored parking or maneuvring Operation along a trajectory (2) is provided by the parking assistance System, in particular a stored trajectory (2) is retrieved, and wherein the trajectory (2) from a start position (4) to a target position (5) of the vehicle (1) and surrounding objects (6) are displayed to the driver via a display device (3), and wherein at least one obstacle (7), which is not stored with the trajectory (2) and which lies in front of the vehicle (1) between the start position (4) and the target Position (5), is displayed to the driver, wherein the driver instructs the parking assistance System via an HMI element (8) how the obstacle (7) is to be avoided by the vehicle (1).

No. of Pages : 15 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS AND SYSTEMS FOR DETECTION OF A CONSUMABLE IN A SYSTEM :G06K9/32,G06K7/14 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)LIFE TECHNOLOGIES CORPORATION :61/827500 (32) Priority Date :24/05/2013 Address of Applicant :5791 Van Allen Way Carlsbad (33) Name of priority country California 92008 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/039236 (72)Name of Inventor : Filing Date :22/05/2014 1)SLETTNES Tor (87) International Publication No :WO 2014/190205 2)CHANG Sylvia H. (61) Patent of Addition to Application 3)GOYAL Swati :NA Number 4)COMSTOCK David A. :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A computer-implemented method for detecting a presence of an object-of-interest in a system is provided. The method includes imaging the first object-of-interest including an identifier, wherein the imaging generates a first set of image data and determining the portion of the image data including the identifier based on a predetermined location. The method further includes dividing the portion of the image data including the identifier into at least two segments Next, the presence of the object-of-interest is determined by determining if intensity values within each segment exceed a presence threshold

No. of Pages : 29 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : A PROBE FOR MONITORING THE SURFACE LEVEL OF A FLUID IN A VESSEL AND A METHOD OF INSTALLING THE PROBE IN THE VESSEL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :G01F23/24,G01F23/26 :13182024.3 :28/08/2013 :EPO :PCT/EP2014/067303 :13/08/2014 :WO 2015/028306 :NA :NA | (71)Name of Applicant : 1)SULZER MANAGEMENT AG Address of Applicant :Neuwiesenstrasse 15 CH 8401 Winterthur Switzerland (72)Name of Inventor : 1)HEINONEN Jussi 2)KVICK Pasi 3)LEHTONEN Anssi 4)NYMAN Seppo 5)VESALA Beijo |
|--|--|--|
| | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | 6)VIKMAN Vesa |

(57) Abstract :

The present invention relates to an apparatus for monitoring the surface level of a fluid in a vessel, a method of installing the apparatus in the vessel and a method of using the apparatus and the vessel. The apparatus of the present invention is applicable in all such vessels, containers, tanks, drop legs, blow tanks, reactors, etc. where information on the surface level of the fluid present in the vessel is needed for controlling the application. A good example is a vessel from which the fluid is about to be pumped further such that the surface level in the vessel is maintained within certain limits, whereby the operation of the pump has to be adjusted in relation to the surface level in the vessel.

No. of Pages : 32 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : STRUCTURES FOR DYNAMICALLY TUNED AUDIO IN A MEDIA DEVICE

| (51) International classification (31) Priority Document No | :A61B7/04,A61N1/36,G01N11/02 :13/900943 | (71)Name of Applicant : 1)ALIPHCOM |
|---|--|---|
| (32) Priority Date | :23/05/2013 | Address of Applicant :Third Floor 99 Rhode Island Street San Francisco California 94103 U.S.A. |
| (33) Name of priority country(86) International ApplicationNoFiling Date | :U.S.A. :PCT/US2014/038675 :19/05/2014 | 2)BARRENTINE, Derek Boyd 3)LUNA, Michael Edward Smith 4)DONALDSON,Thomas Alan |
| (87) International Publication No | :WO 2014/189864 | (72)Name of Inventor : 1)BARRENTINE Derek Boyd |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 2)LUNA Michael Edward Smith 3)DONALDSON Thomas Alan |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Techniques associated with structures for dynamically tuned audio in a media device are described, including receiving data associated with an acoustic output, determining a target frequency response associated with an audio device, the audio device implemented with a hybrid radiator formed using a smart fluid or artificial muscle material, determining a value associated with a property of the smart fluid or artificial muscle material, calculating, using a dynamic tuning application, a magnitude of an external stimulus associated with the value, and sending a control signal to a source, the control signal configured to cause the source to apply the external stimulus, an application of the external stimulus of the determined magnitude configured to change the property of the smart fluid or artificial muscle material.

No. of Pages : 25 No. of Claims : 20

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR DELIVERING A LIQUID PRESSURISED BY THE COMBUSTION GASES FROM AT LEAST ONE PYROTECHNIC CHARGE

| (51) International classification | :A62C13/22,A62C35/02,A62C35/08 | (71)Name of Applicant : 1)HERAKLES |
|---|-----------------------------------|--|
| (31) Priority Document No | :1356287 | Address of Applicant : Rue de Touban Les Cinq Chemins F |
| (32) Priority Date | :28/06/2013 | 33185 Le Haillan France |
| (33) Name of priority country | y:France | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/FR2014/051644 :27/06/2014 | 1)NADEAU Jean Paul 2)MARLIN Frédéric 3)BORG Evrard |
| (87) International Publication | ¹ :WO 2014/207403 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The prA©sent invention mainly concerns a method for delivering a liquid (L) contained in a tank (1), said tank (1) having at least one port (2) for delivering said liquid (L) sealed by a seal (3) that can be retracted when a threshold pressure is applied to said liquid (L). comprising: the combustion of at least one pyrotechnie charge (7) in order to generate combustion gases, the pressurisation of said liquid (L) under the action of said combustion gases, and the retraction of said $r\tilde{A}$ [©]tractable seal (3) from said at least one delivery port (2) and the delivery of said pressurised liquid (L), characterised in that the flow of generated combustion gases during the delivery of said liquid (L) provides almost constant pressurisation of said liquid (L) and therefore the delivery of said liquid (L) at an almost constant flow rate; the pressure of said liquid (L) during the delivery of said liquid varying by a maximum of only +/- 30 %, advantageously by a maximum of only +/- 20 %, and very advantageously by a maxi mum of only +/- 10 %, relative to the initial of same at the time when said seal or seals (3) is/are retracted; and in that it is implemented in a device (100; 101; 102) comprising said tank (1) and at least one pyrotechnie gas generator (15; 16; 17) containing said at least one pyrotechnie charge (7; 7"; 70; 700; 700"); said at least one pyrotechnie gas generator (15; 16; 17) being connected to said tank (1) and a movable member (4) for separating the generated combustion gases and said liquid (L) being provided inside said device (100; 101; 102).

No. of Pages : 37 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :10/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : BIOPASSIVATING MEMBRANE STABILIZATION BY MEANS OF NITROCARBOXYLIC ACID CONTAINING PHOSPHOLIPIDS IN PREPARATIONS AND COATINGS

| (51) International classification(31) Priority Document No(32) Priority Date | :A61K31/00,C07F9/10,A01N1/02 :10 2011 103 948.5 :06/06/2011 | (71)Name of Applicant : 1)DIETZ Ulrich Address of Applicant :Regerstraße 1 65193 Wiesbaden |
|--|---|---|
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No Filing Date | :PCT/EP2012/060773 :06/06/2012 | 2)NUBBEMEYER Udo (72)Name of Inventor : 1)DIETZ Ulrich |
| (87) International Publication No | :WO 2012/168342 | 2)NUBBEMEYER Udo |
| (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 relates to phospholipids containing nitrocarboxylic acid(s) to medical products coated with said compounds e.g. stents catheter balloons wound dressings or surgical suturing material and to biopassivating compositions rinsing

solutions impregnation solutions coating solutions cryoprotectant solutions cryopreservative media lyoprotectant solutions contrast agent solutions preservative solutions and perfusion solutions containing said compounds to the production of said solutions and of the coated medical products and to their uses.

No. of Pages : 190 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :17/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR THEFT PREVENTION MONITORING OF SOLAR MODULES AND SOLAR INSTALLATION HAVING A MULTIPLICITY OF SOLAR MODULES FOR CARRYING OUT THE METHOD

| (33) Name of priority country:Germany(72)Name of Inventor : 1)STRECKE Oliver(86) International Application No Filing Date:PCT/EP2012/002380 :05/06/2012:1)STRECKE Oliver(87) International Publication No (61) Patent of Addition to Filing Date:WO 2012/167909:(62) Divisional to Filing Date:NA :NA:NA :NA(62) Divisional to Filing Date:NA :NA:NA :NA | country 86) International Application No Filing Date 87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :07/06/2011 :Germany :PCT/EP2012/002380 :05/06/2012 :WO 2012/167909 :NA :NA :NA | |
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(57) Abstract :

A method for theft-prevention monitoring of individual solar modules (2a, 2b) in a solar Installation (1) having a multiplicity of solar modules, wherein the solar Installation (1) has an electronic momtoring unit (12a, 12b) which transmits Status information, such as in particular the generated voltage and temperature of the modules, to a Server (30) via a long-range data communication network (28), and generates a warning signal when a solar module (2a, 2b) is removed from the solar Installation (1), is defined by the fact that a first monitoring unit (12a) is connected to a first solar module (2a), and a second monitoring unit (12b) is o connected to a second solar module (2b) of the solar Installation (1) in order to exchange data with one another via a further shortrange data communication network (26), that the first monitoring unit (12a) on the first solar module (2a) has the function of a slave in the short-range data communication network (26), which slave transmits local Status information to the second monitoring unit (12b) via the short-range

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

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ARTICULATING APPARATUS FOR ENDOSCOPIC PROCEDURES

| (51) International classification | :A61B17/94,A61B17/04,A61B17/88 | (71)Name of Applicant : 1)COVIDIEN LP |
|---|-----------------------------------|---|
| (31) Priority Document No | :13/930770 | Address of Applicant :15 Hampshire Street Mansfield |
| (32) Priority Date | :28/06/2013 | Massachusetts 02048 U.S.A. |
| (33) Name of priority country | y:U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/US2014/043981 :25/06/2014 | 1)SNIFFIN Kevin 2)FISCHVOGT Gregory |
| (87) International Publication | ^h :WO 2014/210088 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

According to an aspect of the present disclosure, an endoscopic surgical device is provided. The surgical device includes a handle assembly including a drive mechanism actuatable by a trigger; and an endoscopic assembly including a proximal end portion extending from the handle assembly; a distal end portion pivotably connected to the proximal end portion of the endoscopic assembly; and a rotatable inner actuation shaft extending from the handle assembly and into the distal end portion of the endoscopic assembly, the inner actuation shaft including a flexible portion extending across the pivot connection. The surgical device includes an end effector selectively connectable to the distal end portion of the endoscopic assembly and to a distal portion of the rotatable inner actuation shaft. The end effector includes a splined inner tube rotatably supported in an outer tube; and a plurality of surgical anchors loaded in the inner tube of the end effector.

No. of Pages : 81 No. of Claims : 35

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CYCLE ADENOSINE MONOPHOSPHATE-INCOMPETENT ADENYLYL CYCLASE AND COMPOSITIONS AND METHODS FOR TREATING HEART FAILURE AND INCREASING CARDIAC FUNCTION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :61/832759 :07/06/2013 :U.S.A. :PCT/US2014/040948 :04/06/2014 :WO 2014/197624 :NA :NA :NA | (71)Name of Applicant : 1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA Address of Applicant :1111 Franklin Street 12th Floor Oakland CA 94607 5200 U.S.A. (72)Name of Inventor : 1)HAMMOND H. Kirk 2)GAO Mei Hua |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention provides methods for treating, ameliorating or protecting (preventing) an individual or a patient having or at risk of having heart disease or heart failure, or decreased cardiac function, comprising: providing a cyclic adenosine monophosphateincompetent (cAMPincompetent) adenylyl cyclase type 6 (AC6) protein or polypeptide (also called "an AC6mut"), or an AC6mut encoding nucleic acid or a gene operatively linked to a transcriptional regulatory sequence.

No. of Pages : 105 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR FLUORINATION OF SULPHONYL HALIDE COMPOUNDS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (52) All distance | :C07C303/22,C07C309/80,C07C309/81 :1301593 :04/07/2013 :France :PCT/EP2014/064183 :03/07/2014 :WO 2015/001020 ? :NA :NA :NA | (71)Name of Applicant : 1)RHODIA OPERATIONS Address of Applicant :25 rue de Clichy F 75009 Paris France (72)Name of Inventor : 1)METZ François |
|--|--|--|
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(57) Abstract :

The préparation of a compound of formula (I) comprising an -SO 2F fonction by reacting a compound of formula (II) with a fluorinating agent chosen from hydrofluoric acid and an ionic fluoride of a monovalent or divalent cation is described: R-S0 2F (I) R"-S0 2X (II) where R is chosen from the groups RI, R2 and R3: $RI = -C\hat{a}\in\hat{z}Ha$ Fb with n=l-10, a+b = 2n+l, $b \ge 1$; R2 = -Cx- Hy Fz -S0 2F with x = 1-10, y+z = 2x and z \ge 1; R3 = Â_B-Cc Hh Ff with c = 1-10; h+f = 2c and f \ge 1; where R" is chosen from the following groups R"I, R"2 and R"3: R"I = $-\hat{Ca} \in \hat{Z}$ Ha Xb with n=l-10, a+b = 2n+l, b≥ 1; R"2 = -CxHy Xz - S0 2X with x = 1-10, y+z = 2x and $z \ge 1$; R"3 = -Cc Hh X f with c = 1 -10; h+f = 2c and f \ge 1; Φ denoting a phenyl group, X = Cl, Br.

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

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :C07K16/28 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/829082 | 1)BIOGEN MA INC. |
| (32) Priority Date | :30/05/2013 | Address of Applicant :250 Binney Street Cambridge MA |
| (33) Name of priority country | :U.S.A. | 02142 U.S.A. |
| (86) International Application No | :PCT/US2014/040360 | (72)Name of Inventor : |
| Filing Date | :30/05/2014 | 1)ARNETT Heather A. |
| (87) International Publication No | :WO 2014/194274 | 2)ESCOBAR Sabine S. |
| (61) Patent of Addition to Application | :NA | 3)KING Chadwick T. |
| Number | :NA :NA | 4)LIM Ai Ching |
| Filing Date | INA | 5)NARAYANAN Saravanakumar |
| (62) Divisional to Application Number | :NA | 6)WEINREB Paul H. |
| Filing Date | :NA | 7)PEDERSON Nels E. |

(54) Title of the invention : ONCOSTATIN M RECEPTOR ANTIGEN BINDING PROTEINS

(57) Abstract :

The invention provides anti-oncostatin M receptor- b (OSMR) antigen binding proteins, e.g., antibodies and functional fragments, derivatives, muteins, and variants thereof. OSMR antigen binding proteins interfere with binding of OSM and/or IL-3 1 to OSMR. In some embodiments, anti-OSMR antigen binding proteins are useful tools in studying diseases and disorders associated with OSMR and are particularly useful in methods of treating diseases and disorders associated with OSMR and/or IL-3 1 to OSMR.

No. of Pages : 110 No. of Claims : 74

(22) Date of filing of Application :23/12/2015

(21) Application No.11744/DELNP/2015 A

(43) Publication Date : 13/05/2016

| (54) Title of the invention : HYBRID VT | OL VEHICLE | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B64B1/00 :61/840145 :27/06/2013 :U.S.A. | (71)Name of Applicant : PLIMP INC. Address of Applicant :6708 41st Avenue Southwest Seattle Washington 98136 U.S.A. (72)Name of Inventor : EGAN James C. EGAN Joel D. |

(57) Abstract :

A hybrid VTOL vehicle having an envelope configured to provide hydrostatic buoyancy, a fuselage attached to the envelope and having at least one pair of wings extending from opposing sides thereof to produce dynamic lift through movement, and a thrust generation device on each wing and configured to rotate with each wing about an axis that is lateral to a longitudinal axis of the envelope to provide vertical takeoff or landing capabilities. Ideally, the envelope provides negative hydrostatic lift to enhance low-speed and on-the-ground stability.

No. of Pages : 38 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : CARTON AND CARTON BLANK | | |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)WESTROCK PACKAGING SYSTEMS LLC Address of Applicant :501 South 5th Street Richmond Virginia 23219 0501 U.S.A. (72)Name of Inventor : 1)BALL Nathaniel B. |

(57) Abstract :

A carton (90) for packaging articles includes a first plurality of walls (12, 14, 16, 18, 20) including a top wall (20), base wall (16), first side wall (14) and second side wall (18) forming a first tubular structure. Each end of the first tubular structure is at least partially closed by one or more end closure panels (32a, 34a, 36a, 38a, 32b, 34b, 36b, 38b). The carton includes an end pull device (E) for with drawing the carton from a display apparatus. The end pull device has a first recess struck from an edge of the one or more end closure panels so as to facilitate access to the one or more end closure panels.

No. of Pages : 32 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : RADIOLABELLED MATERIAL

| Classification:A61K51/06,A61K105/00,A61P35/001)T(31) Priority Document No:61/841921A(32) Priority Date:01/07/2013Austr(33) Name of priority country:U.S.A.1)S | 1)Name of Applicant : 1)THE AUSTRALIAN NATIONAL UNIVERSITY Address of Applicant :Acton Australian Capital Territory 2601 1stralia 2)Name of Inventor : 1)STEPHENS Ross Wentworth 2)BELL Jessica Louise |
|--|--|
|--|--|

(57) Abstract :

The invention relates to a radiolabelled material comprising a polymer, a radioactive isotope, and an immobilizing agent, wherein the immobilizing agent is capable of immobilizing the radioactive isotope on or in the polymer, and wherein the immobilizing agent is a macromolecule comprising electron donating groups. The invention also relates to a process for making a ra diolabelled material, to use of a radiolabelled material for the preparation of medicaments for treating cancer and/or for radiation imaging, and to use of a radiolabelled material in the treatment of cancer. There is further described use of an immobilizing agent to immobilize a radioactive isotope on or in a polymer.

No. of Pages : 32 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : 1-SULFONYL PIPERIDINE DERIVATIVES AS MODULATORS OF PROKINETICIN RECEPTORS

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country | :C07D401/12,A61K31/454,A61P25/00 b :1311169.5 :21/06/2013 :U.K. | (71)Name of Applicant : 1)TAKEDA PHARMACEUTICAL COMPANY LIMITED Address of Applicant :1 1 Doshomachi 4 Chome Chuo Ku Osaka Shi Osaka 541 0045 Japan (72)Name of Inventor : 1)TEALL Martin |
|--|--|--|
| (86) International Application No Filing Date (87) International | :PCT/GB2014/051900 :20/06/2014 :WO 2014/202999 | |
| Publication No (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 provides compounds of formula (I) and pharmaceutically acceptable salts thereof in which m,n,W, X, Y, Z, R1, R2, R3, R4 and R5 are as defined in the specification, compositions containing them and their use in therapy.

No. of Pages : 67 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : HEAT TREAT FURNACE JIG | | |
|--|-------------|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :04/06/2014 | (71)Name of Applicant : 1)TOYO TANSO CO. LTD. Address of Applicant :7 12 Takeshima 5 chome Nishiyodogawa ku Osaka shi Osaka 5550011 Japan (72)Name of Inventor : 1)TOMITA Syuhei 2)MACHINO Hiroshi 3)HIRAOKA Toshiharu 4)BITO Shingo |

(57) Abstract :

The present invention improves the strength of the bottom (net) of the jig and makes it more difficult for deviation of the mesh to occur. A work piece is loaded on the net (2) of the heat treat furnace jig. In the net (2), a first strand (10), a second strand (20) and a third strand (30) are in contact at a contact point (Xi). Near the contact point (Xi), the second strand (20) overlaps the first strand (10) from above and the third strand (30) overlaps the first strand (10) from be low. A s a result, the first strand (10) is sandwiched between the second strand (20) and the third strand (30) in the vertical direction.

No. of Pages : 46 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE PREPARATION OF HALOGENATED CARBOXYLIC ANHYDRIDES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | ¹ :PCT/IB2014/063713 :05/08/2014 | (71)Name of Applicant : 1)SOLVAY SA Address of Applicant :Rue de Ransbeek 310 1120 Bruxelles Belgium (72)Name of Inventor : 1)RUDOLPH Werner 2)FEIST Heinz Rudi |
|--|--|---|
| (87) International Publication No | :WO 2014/195929 | |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :NA :NA | |
| Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a process for the preparation of halogenated carboxylic anhydrides, e.g. for the preparation of trifluoroacetic anhydride. The preparation is achieved by reacting a halogenated carboxylic acid, e.g. trifluoroacetic acid, with sulfuric acid, oleum and/or disulfuric acid.

No. of Pages : 9 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS AND MATERIALS FOR AN ARTIFICIAL TRACHEAL PROSTHESIS AND/OR VOICE PROSTHESIS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A61F2/04 :61/829370 :31/05/2013 :U.S.A. :PCT/SG2014/000251 :30/05/2014 :WO 2015/009235 :NA :NA | (72)Name of Inventor : 1)CHUI Chee Kong 2)CHUA Chin Heng Matthew 3)LAU Pang Cheng David |
|--|---|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | 4)TEO Ee Hoon Constance |

(57) Abstract :

A tracheal prosthesis includes a scaffold formed as a material matrix including a bio compatible polymer carrying a nanomaterial; and a collagen matrix layer disposed on at least along portions of an inner lumen of the scaffold. The tracheal prosthesis can be fabricated as a patient specific device in accordance with images of the natural trachea of a target patient for whom the tracheal prosthesis is intended. A voice prosthesis includes a body carrying a passage, and a magnetic passage sealing mechanism having a ball that can selectively seal / block or open the passage. The voice prosthesis can include an outer skin that covers the body. The voice prosthesis can include a polymer carrying a nanomaterial. The voice prosthesis can be fabricated as a patient specific device in accordance with images of a fistula of a target patient for whom the voice prosthesis is intended.

No. of Pages : 99 No. of Claims : 45

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :C10L5/44 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/867952 | 1)BIOMASS ENERGY ENHANCEMENTS LLC |
| (32) Priority Date | :20/08/2013 | Address of Applicant :993 S Lake Summit Rd Zirconia NC |
| (33) Name of priority country | :U.S.A. | 28773 U.S.A. |
| (86) International Application No | :PCT/US2014/051958 | (72)Name of Inventor : |
| Filing Date | :20/08/2014 | 1)TAIT Carleton |
| (87) International Publication No | :WO 2015/026987 | 2)SCALZO Philip |
| (61) Patent of Addition to Application | :NA | 3)VAN THORRE Douglas M. |
| Number | | 4)CATTO Michael L. |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : BIOCHAR BY MICROWAVE WITH BENEFICIATED FEEDSTOCK

(57) Abstract :

A processed biochar composition made with an oxygen- starved microwave sub-system from a processed organic-carbon-containing feedstock made with a beneficiation sub-system is described. Renewable biomass feedstock passed through a beneficiation sub-system to reduce water content to below at least 20 wt% and water-soluble salt reduction of at least 60 % from that of unprocessed organic-carbon-containing feedstock on a dry basis. The processed feedstock is introduced into a substantially microwave- transparent reaction chamber. A microwave source emits microwaves which are directed through the microwave-transparent wall of the reaction chamber to impinge on the feedstock within the reaction chamber. The microwave source may be rotated relative to the reaction chamber. The feedstock is subjected to microwaves until the desired reaction occurs to produce a solid processed biochar fuel.

No. of Pages : 79 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SURFACE -COATED BORON NITRIDE SINTERED COMPACT TOOL

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | 1:B23B27/14,B23B51/00,B23C5/16 :2014091727 :25/04/2014 :Japan | (71)Name of Applicant : 1)SUMITOMO ELECTRIC HARDMETAL CORP. Address of Applicant :1 1 Koyakita 1 chome Itami shi Hyogo 6640016 Japan |
|--|--|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/JP2015/058475 :20/03/2015 :WO 2015/163059 | (72)Name of Inventor : 1)MATSUDA Yusuke 2)OKAMURA Katsumi 3)SANO Kenta 4)TSUKIHARA Nozomi |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 5)SETOYAMA Makoto |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

In a surface- coated boron nitride sintered compact tool according to the present invention, at least a cutting blade portion includes a compound sintered compact and a coating layer provided on a surface of the compound sintered compact. The compound sintered compact includes cubic boron nitride particles and binder particles. The compound sintered compact includes the cubic boron nitride particles in a ratio of 45 vol% to 80 vol%. A first particle size distribution curve of the cubic boron nitride particles has one or more peaks in the particle diameter range of 0.1 ŵm to 0.7 ŵm. A second particle size distribution curve of the cubic boron nitride particles has a first peak having a maximum peak height in the particle diameter range of 2.0 ŵm to 7.0 ŵm. In the second particle size distribution curve , the integral value ratio (I/I × 100) is 1 to 20, where I represents the integral value in the particle diameter range of 0.1 ŵm to 0.7 ŵm, and I represents the integral value for the entire range.

No. of Pages : 42 No. of Claims : 5

(21) Application No.11729/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : NANOPARTICULATE COMPOSITIONS AND FORMULATIONS OF PIPERAZINE COMPOUNDS

| (51) International classification | :A61K9/14,A61K31/498,A61P35/00 | (71)Name of Applicant : 1)REXAHN PHARMACEUTICALS INC. |
|---|-----------------------------------|---|
| (31) Priority Document No | :61/840800 | Address of Applicant :15245 Shady Grove Road Suite 455 |
| (32) Priority Date | :28/06/2013 | Rockville Maryland 20850 U.S.A. |
| (33) Name of priority country | | (72)Name of Inventor : |
| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :PCT/US2014/044714 :27/06/2014 | (72)Name of Inventor : 1)LEE Young Bok 2)AHN Chang Ho 3)KIM Deog Joong |
| Application Number Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to storage stable nanoparticulate compositions of piperazine compounds. The pharmaceutical compositions comprising the nanoparticulate compositions that are useful for the treatment and prevention of proliferative diseases including cancer are also described.

No. of Pages : 38 No. of Claims : 34

(19) INDIA(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : FLUID OR POWDERY PRODUCT DISPENSING DEVICE

| classification (31) Priority Document No : (32) Priority Date : (33) Name of priority country : (86) International Application No Filing Date : (87) International Publication No (61) Patent of Addition to Application Number Filing Date : (62) Divisional to Application Number : | :1356662 :05/07/2013 | (71)Name of Applicant : 1)APTAR FRANCE SAS Address of Applicant :BP G Le Prieuré F 27110 Le Neubourg France (72)Name of Inventor : 1)BAILLET Matthieu 2)LE MANER François 3)POULLAIN Franck 4)PETIT Ludovic |
|--|-------------------------|---|
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(57) Abstract :

A fluid or powdery product dispensing device comprises a dispensing outlet (10), an air ejector (20) to generate an air flow when the device is actuated, and at least one $r\tilde{A}$ ©servoir (30) containing a unit dose of the product, the $r\tilde{A}$ ©servoir comprising an air intet (3 1) and a product outlet (32) closed by a closing \tilde{A} ©l \tilde{A} ©ment (50), the device comprising a mechanical opening System (61, 62) to eject the closing \tilde{A} ©l \tilde{A} ©ment mechanically from its closing position, the $r\tilde{A}$ ©servoir being removably mounted on the air ejector, such that after the device has been actuated, the empty $r\tilde{A}$ ©servoir can be removed from the air ejector and replaced by a new, full reservoir, the air ejector being brought back to the rest position when the empty $r\tilde{A}$ ©servoir is replaced by the full $r\tilde{A}$ ©servoir.

No. of Pages : 35 No. of Claims : 3

(21) Application No.11731/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CHARGING DEVICE AND OPERATING METHOD THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :19/06/2014 | (71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor : 1)KIM Soo Hyung |
|--|-------------|---|
|--|-------------|---|

(57) Abstract :

An electronic device having a charging function is provided. The electronic device includes a conversion unit for converting an Alternating Current (AC) voltage to a Direct Current (DC), a first charging unit for generating a first charging voltage or current using the DC voltage , and an output unit for providing the DC voltage and the first charging voltage or current to an external device. Various other implementations are possible.

No. of Pages : 51 No. of Claims : 13

(22) Date of filing of Application :23/12/2015

(21) Application No.11732/DELNP/2015 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : CAMERA MODULE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/KR2014/007209 :05/08/2014 :WO 2015/026078 :NA :NA | (71)Name of Applicant : SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon Gyeonggi do 16677 Republic of Korea (72)Name of Inventor : HWANG Young jae BYON Kwang seok LEE Seung hwan JUNG Bong su |
|--|--|---|
|--|--|---|

(57) Abstract :

A camera module includes a lens barrel including at least one lens group; a moving frame that includes the lens barrel and moves in an optical axis direction and in a first direction and a second direction that are perpendicular to the optical axis direction; a fixed frame that movably supports the moving frame and provides the moving frame with a driving force in the optical axis direction, a driving force in the first direction, and a driving force in the second direction; and a base that fixes the fixed frame and includes an image sensor that is spaced apart from the at least one lens group in the optical axis direction.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(21) Application No.11733/DELNP/2015 A

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DIHYDROPYRIDINONE MGAT2 INHIBITORS

| classification:C0/D211/86,C0/D211/90,A61K31/441)BRIST(31) Priority Document No:61/828219Address(32) Priority Date:29/05/2013Princeton N(33) Name of priority:U.S.A.(72)Name ofcountry:U.S.A.1)AHMA | of Applicant : COL MYERS SQUIBB COMPANY s of Applicant :Route 206 and Province Line Road New Jersey 08543 U.S.A. of Inventor : AD Saleem SH Lidet A. |
|--|--|
|--|--|

(57) Abstract :

The present invention provides compounds of Formula (I): Formula (I)or a stereoisomer, or a pharmaceutically acceptable salt thereof, wherein all of the variables are as defined herein. These compounds are monoacylglycerol acyltransferase type 2 (MGAT2) inhibitors which may be used as medicaments.

No. of Pages : 137 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROTON BINDING POLYMERS FOR ORAL ADMINISTRATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K31/785,A61P3/12 :61/831445 :05/06/2013 :U.S.A. :PCT/US2014/041152 :05/06/2014 :WO 2014/197725 :NA :NA :NA :NA | (71)Name of Applicant : TRICIDA INC. Address of Applicant :1430 OBrien Drive Suite F Menlo Park (A 94025 U.S.A. (72)Name of Inventor : KLAERNER Gerrit CONNOR Eric F. GBUR Randi K. KADE Matthew J. KIERSTEAD Paul H. BUYSSE Jerry M. COPE Michael J. BIYANI Kalpesh N. NGUYEN Son H. TABAKMAN Scott M. |
|---|--|---|
|---|--|---|

(57) Abstract :

Pharmaceutical compositions for and methods of treating an animal, including a human, and methods of preparing such compositions. The pharmaceutical compositions contain crosslinked amine polymers and may be used, for example, to treat diseases or other metabolic conditions in which removal of protons and/or chloride ions from the gastrointestinal tract would provide physiological benefits such as normalizing serum bicarbonate concentrations and the blood pH in an animal, including a human.

No. of Pages : 148 No. of Claims : 106

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD FOR PRODUCING 2,3-DICHLORO-5-(TRICHLOROMETHYL)PYRIDINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :C07D213/61 :PA 2013 70319 :14/06/2013 :Denmark :PCT/DK2014/050166 :13/06/2014 :WO 2014/198278 | (71)Name of Applicant : 1)CHEMINOVA A/S Address of Applicant :ThyborÃ,nvej 78 DK 7673 HarboÃ,re Denmark (72)Name of Inventor : 1)ANDERSEN Casper Stoubæk |
|---|--|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

The present invention relates to a novel process for producing of 2, 3 -dichloro 5- (trichloromethyl)pyridine by using PCl as chlorinating agent at elevated temperature and pressure.

No. of Pages : 24 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR JACKETING ELONGATE MATERIAL SUCH AS IN PARTICULAR LEADS OR CABLE LOOMS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (1) Detent of Addition to Application | :C09J7/04 :102013213725.7 :12/07/2013 :Germany :PCT/EP2014/064723 :09/07/2014 :WO 2015/004190 | (71)Name of Applicant : 1)TESA SE Address of Applicant :Hugo Kirchberg Straße 1 22848 Norderstedt Germany (72)Name of Inventor : 1)SCHMIDLIN Andreas 2)SIEBERT Michael |
|--|---|--|
| (87) International Publication No (61) Patent of Addition to Application Number | :NA | 2)SIEBERT Michael 3)ZIELINSKI Steve |
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method for jacketing elongate material such as, in particular, leads or cable looms, where an adhesive tape comprising a textile carrier and a curable adhesive applied to at least one side of the carrier is passed in a helical line around the elongate material, or the elongate material is wrapped in the axial direction with the adhesive tape, the elongate material together with the adhesive tape wrapping is brought into the desired disposition, more particularly into the cable loom plane, the elongate material is held in this disposition, and the curable adhesive is brought to eure by the supply of radiant energy such as heat.

No. of Pages : 28 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYNTHESIS OF ALPHA BETA UNSATURATED CARBOXYLIC ACID (METH)ACRYLATES FROM OLEFINS AND CO2

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07C51/15 :10 2013 210 840.0 :11/06/2013 :Germany :PCT/EP2014/059596 :12/05/2014 :WO 2014/198469 :NA :NA :NA :NA | (71)Name of Applicant : 1)EVONIK DEGUSSA GMBH Address of Applicant :Rellinghauser StraÄŸe 1 11 45128 Essen Germany (72)Name of Inventor : 1)SCHÃ,,FFNER Benjamin 2)BLUG Matthias 3)VOGT Dieter 4)HENDRIKSEN Coen 5)PIDKO Evgeny |
|---|---|---|
|---|---|---|

(57) Abstract :

The invention relates to a method for producing a, $\tilde{A}\ddot{Y}$ - unsaturated carboxylic acids or salts thereof, comprising a step in which a metallalactone is reacted in a solvent in the presence of a halide; to a composition that comprises a, $\tilde{A}\ddot{Y}$ - unsaturated carboxylic acids or salts thereof and halide ions; and to the use of said composition for the production of superabsorbent materials or as a monomer composition for producing polymers.

No. of Pages : 16 No. of Claims : 15

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :F02B37/00 | (71)Name of Applicant : |
|---|--------------------|---|
| (31) Priority Document No | :NA | 1)TOYOTA JIDOSHA KABUSHIKI KAISHA |
| (32) Priority Date | :NA | Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 |
| (33) Name of priority country | :NA | Japan |
| (86) International Application No | :PCT/JP2013/067477 | (72)Name of Inventor : |
| Filing Date | :26/06/2013 | 1)ARIIZUMI Yoshiki |
| (87) International Publication No | :WO 2014/207831 | 2)AOYAGI Yusuke |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : EXHAUST RECIRCULATION DEVICE FOR INTERNAL COMBUSTION ENGINE

(57) Abstract :

By means of the present invention condensation water generated upstream : from a compressor is made to flow into a groove (44) and is retained temporarily. The condensation water flowing into the groove (44) moves in the direction of gravitational force (in other words, toward an air bypass valve (ABV) (38 \rangle within the groove (44). When the ABV (38) is opened, the condensation water that has accumulated in the groove (44) is carried along with the flow of a return gas and is blown into the center part of an inlet (46), and then flows : from the center part (42b) of the front surface of an impeller (42) to the interior of the compressor (20), together with the intake air flowing in the center part of the inlet. The center part (42b) has a lower circumferential speed than an outer circumferential part (42a), so erosion due to contact with the condensation water can be more easily prevented at the center part than at the outer circumferential part (42a).

No. of Pages : 23 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ROLE NEGOTIATION IN MULTI REALITY ENVIRONMENTS

| (51) International classification | :G06F15/16,G09G5/12,H04N13/00 | (71)Name of Applicant : 1)VIPAAR LLC |
|---|-----------------------------------|--|
| (31) Priority Document No | :13/929080 | Address of Applicant :1500 First Avenue North Birmingham |
| (32) Priority Date | :27/06/2013 | AL 35203 U.S.A. |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/US2014/044679 :27/06/2014 | 1)DILLAVOU Marcus W. 2)MAY Matthew Benton |
| (87) International Publication No | :WO 2014/210517 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided herein are methods and systems for role negotiation with multiple sources. A method for role negotiation can comprise rendering a common field of interest that reflects a presence of a plurality of elements, wherein at least one of the elements is a remote element located remotely from another of the elements. A plurality of role designations can be received, each role designation associated with one of a plurality of devices, wherein at least one of the plurality of devices is a remote device located remotely from another of the plurality of interest can be updated based upon the plurality of role designations, wherein each of the plurality of role designations defines an interactive functionality associated with the respective device of the plurality of devices

No. of Pages : 82 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :C10L5/44 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :61/867952 | 1)BIOMASS ENERGY ENHANCEMENTS LLC |
| (32) Priority Date | :20/08/2013 | Address of Applicant :993 S Lake Summit Rd Zirconia NC |
| (33) Name of priority country | :U.S.A. | 28773 U.S.A. |
| (86) International Application No | :PCT/US2014/051944 | (72)Name of Inventor : |
| Filing Date | :20/08/2014 | 1)SCALZO Philip |
| (87) International Publication No | :WO 2015/026978 | 2)TAIT Carleton Drew |
| (61) Patent of Addition to Application Number Filing Date (2) Divisional to Application Number | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : BENEFICIATED ORGANIC- CARBON -CONTAINING FEEDSTOCK

(57) Abstract :

Systems and methods for producing processed organic-carbon-containing feedstock from an unprocessed carbon-containing feedstock are described. Unprocessed feedstock is introduced into and transported through at least one reaction chamber. The reaction chamber is configured for each feedstock to produce processed feedstock having a water-soluble salt reduction of at least 60 percent from that of unprocessed organic- carbon-containing feedstock and a water content of less than 20 percent.

No. of Pages : 46 No. of Claims : 20

(21) Application No.11760/DELNP/2015 A

(19) INDIA(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CLAY/POLYMER BLEND AS HIGH PH OR IONIC LIQUID BARRIER

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :B01J20/12,B01J20/26,B01J20/28 :61/845791 :12/07/2013 :U.S.A. :PCT/US2014/046431 :11/07/2014 :WO 2015/006746 :NA :NA | (71)Name of Applicant : 1)AMCOL INTERNATIONAL CORPORATION Address of Applicant :2870 Forbs Avenue Hoffman Estates IL 60192 U.S.A. (72)Name of Inventor : 1)WEBB Nigel 2)BATRA Dolly 3)DONOVAN Michael |
|--|--|--|
| Number Filing Date | :NA :NA | |

(57) Abstract :

A composition capable of increased impermeability against the passage of ionic liquids therethrough can include a clay mixed with an anionic and cationic polymer. Such compositions can be provided in geosynthetic liners to provide a hydraulic barrier in aggressive leachate environments.

No. of Pages : 68 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CONOTOXIN PEPTIDES PHARMACEUTICAL COMPOSITIONS AND USES THEREOF (51) International classification :A61K38/10 (71)Name of Applicant : (31) Priority Document No **1)UNIVERSITY OF UTAH RESEARCH FOUNDATION** :61/829633 (32) Priority Date Address of Applicant :615 ARAPEEN DRIVE SUITE 110 :31/05/2013 (33) Name of priority country SALT LAKE CITY UTAH 84108 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/040374 (72)Name of Inventor : Filing Date 1)MCINTOSH J. Michael :30/05/2014 (87) International Publication No :WO 2014/194284 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present disclosure describes analog conotoxin peptides of the a-contoxin peptide RglA. These analog conotoxin peptides block the a9al0 subtype of the nicotinic acetylcholine receptor (nAChR) and can be used for treating pain, inflammatory conditions, inflammation, and/or cancer.

No. of Pages : 69 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :C09K5/04 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :61/827890 | 1)XU Yanjie |
| (32) Priority Date | :28/05/2013 | Address of Applicant :C/o H&c Scientific Resources |
| (33) Name of priority country | :U.S.A. | International LLC 4210 Redmond Drive Longmont CO 80503 |
| (86) International Application No | :PCT/US2014/039625 | U.S.A. |
| Filing Date | :27/05/2014 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2014/193857 | 1)XU Yanjie |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : REFRIGERATION SYSTEM WITH DUAL REFRIGERANTS AND LIQUID WORKING FLUIDS

(57) Abstract :

In one embodiment, the present invention relates to the use of ionic liquids and gas refrigerants in a refrigerant composition in a temperature adjustment system, such as a refrigeration system. In one aspect of the present application, there is provided a refrigeration system comprising a refrigerant composition and an apparatus, wherein the refrigerant composition comprises at least one gas refrigerants and a working liquid or fluid.

No. of Pages : 50 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : III -V OR II -VI COMPOUND SEMICONDUCTOR FILMS ON GRAPHITIC SUBSTRATES (51) International classification :H01L21/20 (71)Name of Applicant : (31) Priority Document No 1)NORWEGIAN UNIVERSITY OF SCIENCE AND :1311101.8 (32) Priority Date TECHNOLOGY (NTNU) :21/06/2013 (33) Name of priority country Address of Applicant :Sem SÃlands vei 14 N 7491 :U.K. (86) International Application No :PCT/EP2014/063195 Trondheim Norway Filing Date (72)Name of Inventor: :23/06/2014 (87) International Publication No :WO 2014/202796 1)FIMLAND BjÃ, rn Ove (61) Patent of Addition to Application 2)DASA Dheeraj L :NA Number 3)WEMAN Helge :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A composition of matter comprising a film on a graphitic substrate, said film having been grown epitaxially on said substrate, wherein said film comprises at least one group III-V compound or at least one group II-VI compound.

No. of Pages : 40 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : BLEACH AND OXIDATION CATALYST (51) International classification :C11D3/39,C11D3/16,C11D17/00 (71)Name of Applicant : **1)CHEMSENTI LIMITED** (31) Priority Document No :13173074.9 (32) Priority Date :20/06/2013 Address of Applicant :5th Floor 6 St Andrew Street London (33) Name of priority country EC4A 3AE U.K. :EPO (72)Name of Inventor: (86) International Application :PCT/GB2014/051819 No **1)HAGE Ronald** :13/06/2014 Filing Date 2)GAULARD Fabien Pierre Guy (87) International Publication :WO 2014/202954 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The present invention concerns a method of making manganese ion-containing catalyst salts, which comprise a mononuclear or dinuclear Mn (P1) and/or Mn (Gn) complex based on cyclic triamine ligands and a non-coordinating silicate-based counterion. The invention also concerns compositions comprising such salts and bleaching formulations comprising the salt and a peroxy compound. The salt, and formulations comprising it, are suitable for use in catalysing oxidation, for example as a component of a laundry or dishwasher bleaching composition. The invention further relates to methods of oxidising with the bleaching formulations described herein.

No. of Pages : 47 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :28/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS AND MEANS FOR MODULATING FLOWERING TIME IN MONOCOT PLANTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/EP2014/063985 :01/07/2014 :WO 2015/000914 :NA :NA | (71)Name of Applicant : 1)BAYER CROPSCIENCE NV Address of Applicant :J.E. Mommaertslaan 14 B 1831 Diegem Belgium 2)BAYER CROPSCIENCE LP (72)Name of Inventor : 1)GEUTEN Koen 2)KAUFMANN Kerstin 3)RUELENS Philip |
|--|--|--|
|--|--|--|

(57) Abstract :

The present invention relates to the identification of monocot FLC sequences such as wheat FLC sequences as well as their uses in modulating flowering time seed development and seed germination.

No. of Pages : 74 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :28/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND PLANT FOR ETCHING A FLUOROPOLYMER SUBSTRATE

| (32) Priority Date:NA(33) Name of priority country:NA(86) International Application:PCT/IT2013/000280No:10/10/2013 | (1)Name of Applicant : 1)GUARNIFLON S.P.A. Address of Applicant :Via Torquato Tasso 12 I 24060 Castelli Calepio Bergamo Italy (72)Name of Inventor : 1)VILLANO Massimo 2)STELLA Pasquale |
|--|--|
|--|--|

(57) Abstract :

(Semi) continuous etching method for a fluoropolymer substrate (10) comprising steps of feeding (22) said substrate (10) in the form of a continuous ribbon wherein said substrate defines a primary surface (12) subjecting to at least one etching operations (2) a part of the primary surface (12) by means of an adhesion promoting solution comprising a complex of an alkali metal in naphthalene washing (4) the primary surface (12) wetted by the adhesion promoting solution by means of a washing solution (42) comprising aqueous acetic acid/ formic acid and selectively separating a concentrated solution (24) of acetic acid/formic acid from the washing solution (42) by means of inverse osmosis operations (6 8) at $\hat{A}^{\dagger}_{\dagger}$ increasing pressures and re introducing at least a portion of the concentrated solution (24) of acetic acid/ formic acid in the washing solution (42) to create a recirculation. The invention further relates to an etching plant.

No. of Pages : 31 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :28/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SMART MEDIA DEVICE ECOSYSTEM USING LOCAL DATA AND REMOTE SOCIAL GRAPH DATA

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No Filing Date (30) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) Date (64) Patent of Application Number (65) Divisional to Application Number (66) Date (67) Date (68) Date (69) Divisional to Application Number (60) Date (7) Date (7) | (71)Name of Applicant : 1)ALIPHCOM Address of Applicant :Third Floor 99 Rhode Island Street San Francisco California 94103 U.S.A. (72)Name of Inventor : 1)LUNA Michael Edward Smith 2)DONALDSON Thomas Alan 3)PANG Hawk Yin |
|---|---|
|---|---|

(57) Abstract :

Techniques associated with a smart media ecosystem using local data and remote social graph data are described including identifying an account associated with a user based on a detection of a presence of a compatible device the compatible device being associated with the account in a profile receiving an input indicating a request for media content retrieving remote social graph data from a remote database cross referencing the remote social graph with profile data being stored locally the profile data associated with media preferences updating the profile data with a learned media preference generated by a learning module selecting targeted media content based on the profile data and sending a control signal to a media device the control signal configured to cause the media device to output the targeted media content.

No. of Pages : 30 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :28/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SUPPRESSION OF ITCH

| (51) International classification | :A61P25/00,A61K38/48,A61K39/08 | (71)Name of Applicant : 1)IPSEN BIOINNOVATION LIMITED |
|---|-----------------------------------|--|
| (31) Priority Document No | :1312295.7 | Address of Applicant : Units 4 10 The Quadrant Barton Lane |
| (32) Priority Date | :09/07/2013 | Abingdon Oxfordshire OX14 3YS U.K. |
| (33) Name of priority country | y:U.K. | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/GB2014/052101 :09/07/2014 | 1)FOSTER Keith |
| (87) International Publication | ¹ :WO 2015/004464 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention provides a polypeptide for use in suppressing or treating itch wherein the polypeptide comprises: a non cytotoxic protease which protease is capable of cleaving a SNARE protein in an itch specific DRG neuron or a pruriceptor; a Targeting Moiety (TM) that is capable of binding to a Binding Site on the itch specific DRG neuron or a pruriceptor which Binding Site is capable of undergoing endocytosis to be incorporated into an endosome within the itch specific DRG neuron or a pruriceptor and wherein said itch specific DRG neuron or a pruriceptor expresses said SNARE protein; and a translocation domain that is capable of translocating the protease from within an endosome across the endosomal membrane and into the cytosol of the itch specific DRG neuron or a pruriceptor; with the proviso that the polypeptide is not a clostridial neurotoxin (holotoxin) molecule.

No. of Pages : 72 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING A GLASS CONTAINER BY PRESSING

| (32) Priority Date(33) Name of priority country(86) International Application | :13 55239 :06/06/2013 :France | (71)Name of Applicant : 1)POCHET DU COURVAL Address of Applicant :121 quai de Valmy F 75010 Paris France (72)Name of Inventor : 1)LEQUIEN Jany |
|---|-------------------------------------|---|
| No Filing Date | :05/06/2014 | 2)FROISSART Pascal 3)BALITEAU Sébastien |
| (87) International Publication No | :WO 2014/195644 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | I:NA :NA | |

(57) Abstract :

The method for producing a glass container comprises: a) providing a forming vessel (2) comprising an inner surface (8) b) providing a forming die (3) comprising an outer surface (14) c) placing the forming die (3) in the forming vessel (2) in a forming position in which a receiving space (4) is defined between the inner surface (8) of the forming vessel (2) and the outer surface (28) of the forming die (3) a deformable glass gob (35) extending partially into the receiving space (4) d) cooling the deformed glass gob (35) while keeping the glass gob (35) in the forming position in the forming vessel (2) and the forming die (3) e) retracting the forming die (3).

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

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : GAS FILTER AND RELEASE FOR OSTOMY APPLIANCE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :PCT/IL2014/050417 :08/05/2014 :WO 2014/181339 | (71)Name of Applicant : 1)STIMATIX GI LTD. Address of Applicant :17 Thelet Street Misgav Business Park 2017400 Doar Na Misgav Israel (72)Name of Inventor : 1)HANUKA David 2)OR Meir 3)SOMMER Refael 4)SHAVIT Tamir |
|--|--|--|
| Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Ostomy appliance components providing filtered release of gasses from a surgical stoma. Filter shape positioning and positioning structure relate to potential advantages in manufacturing and operation of components.

No. of Pages : 99 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : COMPACT OSTOMY APPLIANCE | | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | n :A61F5/44,A61F5/441,A61F5/445 :13/890433 :09/05/2013 :U.S.A. :PCT/IL2014/050416 :08/05/2014 :WO 2014/181338 :NA :NA :NA | (71)Name of Applicant : 1)STIMATIX GI LTD. Address of Applicant :17 Thelet Street Misgav Business Park 2017400 Doar Na Misgav Israel (72)Name of Inventor : 1)HANUKA David 2)OR Meir 3)SOMMER Refael 4)SHAVIT Tamir |

(57) Abstract :

Ostomy appliance components providing low profile containment of waste from a surgical stoma. Waste collection pouch configuration, positioning, and positioning structure relate to potential advantages in manufacturing and operation of components.

No. of Pages : 112 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICE FOR JOINING TWO PIPES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F16L19/065,F16L21/04,F16L23/028 :13382231.2 :20/06/2013 :EPO :PCT/EP2014/062988 :20/06/2014 :WO 2014/202743 :NA :NA :NA | (71)Name of Applicant : 1)RUIZ SAURA Fernando Address of Applicant :Paseo Joaquin Garrigues Walker 18 P06 C E 30100 Senda Granada De Levante (Murcia) Spain (72)Name of Inventor : 1)RUIZ SAURA Fernando |
|---|---|--|
|---|---|--|

(57) Abstract :

Device for joining two pipes (2) referring as as a mechanical anti traction for joining tubes made of different materials designed to neutralize the axial movements produced in the pipes (2). The device comprises: two internal rings or flanges (4) two external rings or flanges (3) a plurality of bars (5) and an ensemble of anti traction segments (6) joined to the external face of the internal rings or flanges via means which facilitate the displacement (10) thereof (6) in relation to the inner rings or flanges (4) at least one lower surface of said segments (6) being in contact with the pipes and one surface being in contact with the external rings or flanges (3).

No. of Pages : 16 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPUTER SYSTEM EMPLOYING SPEECH RECOGNITION FOR DETECTION OF NON SPEECH AUDIO

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | PCT/US2014/044330 :26/06/2014 | (71)Name of Applicant : 1)CITRIX SYSTEMS INC. Address of Applicant :851 West Cypress Creek Road Fort Lauderdale Florida 33309 U.S.A. (72)Name of Inventor : 1)THAPLIYAL Ashish V. 2)ALEXANDROV Albert |
|--|---------------------------------------|---|
| (87) International Publication No | :WO 2014/210303 | |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA ¹ :NA :NA | |

(57) Abstract :

A computer system executing a computer audio application such as video conferencing applies audio detection and speech recognition to an input audio stream to generate respective audio detection and speech recognition signals. A function is applied to the audio detection and speech recognition signals to generate a non speech audio detection signal identifying presence of non speech audio in the input audio stream when the audio detection signal is asserted and the speech recognition signal is not asserted. A control or indication action is performed in the computer system based on assertion of the non speech audio detection signal.

No. of Pages : 18 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :30/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F9/455 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/928284 | 1)AMAZON TECHNOLOGIES INC. |
| (32) Priority Date | :26/06/2013 | Address of Applicant :P.O. Box 81226 Seattle WA 98108 |
| (33) Name of priority country | :U.S.A. | 1226 U.S.A. |
| (86) International Application No | :PCT/US2014/044121 | (72)Name of Inventor : |
| Filing Date | :25/06/2014 | 1)SURYANARAYANAN Deepak |
| (87) International Publication No | :WO 2014/210172 | 2)FARRELL Eugene Michael |
| (61) Patent of Addition to Application | NT A | 3)BROWN David Everard |
| Number | :NA | 4)BRANDWINE Eric Jason |
| Filing Date | :NA | 5)PADUKONE Ajit Nagendra |
| (62) Divisional to Application Number | :NA | , v |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : MANAGEMENT OF COMPUTING SESSIONS

(57) Abstract :

A remote computing session management process is directed to the execution and management of aspects of virtual instances executed on data center computers at a program execution service (PES) platform. A computing session may be established between the PES platform and a computing device connected to the PES platform over a communications network. The data created by the user of the client computing device interacting with the virtual instance may be stored and following an interruption of the remote computing session the data may be used when re establishing the remote computing session.

No. of Pages : 54 No. of Claims : 15

(22) Date of filing of Application :30/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : FEEDER DEVICE

| (51) International classification | :E04C5/16,E04C5/20 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13508320 | 1)INNOVATIV PLAST I VÄST AB |
| (32) Priority Date | :03/07/2013 | Address of Applicant :c/o Stefan Anderson Ã-stra KnavraÃ¥s |
| (33) Name of priority country | :Sweden | 16 S 443 61 Stenkullen Sweden |
| (86) International Application No | :PCT/SE2014/050832 | (72)Name of Inventor : |
| Filing Date | :01/07/2014 | 1)ANDERSSON Stefan |
| (87) International Publication No | :WO 2015/002600 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Feeder device (1) adapted to distribute stackable reinforcement spacers (20) where the feeder comprises a body (7) for holding a plurality of stackable reinforcement spacers (20) a release mechanism (2) for releasing one reinforcement spacer (20) at the time a handle (4) for holding the feeder device and a release grip (3) for operating the release mechanism (2). The advantage of the invention is that stackable reinforcement spacers can be distributed in a time effective way. Further the size of the feeder device is not set by the size of the spacer. Spacers of different sizes can thus be used with a single feeder device.

No. of Pages : 26 No. of Claims : 13

(21) Application No.11952/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :H04W12/06 | (71)Name of Applicant : |
|---|--------------------|---|
| (31) Priority Document No | :201310227575.2 | 1)ZTE CORPORATION |
| (32) Priority Date | :08/06/2013 | Address of Applicant :ZTE Plaza Keji Road South Hi Tech |
| (33) Name of priority country | :China | Industrial Park Nanshan Shenzhen Guangdong 518057 China |
| (86) International Application No | :PCT/CN2013/086984 | (72)Name of Inventor : |
| Filing Date | :12/11/2013 | 1)ZHOU Xinjian |
| (87) International Publication No | :WO 2014/194606 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : NETWORK ACCESS AUTHENTICATION METHOD APPARATUS AND TERMINAL DEVICE

(57) Abstract :

Disclosed are a network access authentication method apparatus and terminal device. The network access authentication method is used for a terminal device with PC side software. The method comprises: (S101) an AT Server performing information interaction with a network card side to obtain first authentication information; (S103) encrypting the first authentication information and WIFI device information together to generate second authentication information; (S105) interacting with a target AP according to the second authentication information; and (S107) parsing the third authentication information and comparing a parsing result with local authentication information to obtain an authentication result. By using the technical solutions of the present invention an EAP SIM authentication between a WIFI device and an AP can be implemented in a case in which PC side software is free of a driver thereby accessing a network in a more conveniently manner.

No. of Pages : 18 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND SYSTEM FOR VIRTUAL NETWORK MAPPING PROTECTION AND COMPUTER STORAGE MEDIUM

| (51) International classification | :H04L12/46 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :201310249773.9 | 1)ZTE CORPORATION |
| (32) Priority Date | :21/06/2013 | Address of Applicant :ZTE Plaza Keji Road South Hi Tech |
| (33) Name of priority country | :China | Industrial Park Nanshan Shenzhen Guangdong 518057 China |
| (86) International Application No | :PCT/CN2014/080416 | (72)Name of Inventor : |
| Filing Date | :20/06/2014 | 1)WANG Dajiang |
| (87) International Publication No | :WO 2014/202026 | 2)WANG Zhenyu |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| 11 | | |
| Filing Date | :NA | |
| | | · · · · · · · · · · · · · · · · · · · |

(57) Abstract :

A method and system for protecting virtual network mapping and a computer storage medium the method comprising: an application layer editing and defining a sub network model based on a network editing request; a network virtualization layer constructing the sub network model and integrating said model into a global network view; a controller layer mapping all of the sub network models contained within the global network view into a working device network and a protection device network and when the working device network fails and specified conditions are met and the protection device network has no faults switching the corresponding sub network working mapping relationship from the working device network to the protection device network.

No. of Pages : 23 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : GEAR CUTTING MACHINE AND METHOD FOR MACHINING GEAR TEETH :B23F5/22,B23F23/12 (71)Name of Applicant : (51) International classification 1) GLEASON PFAUTER MASCHINENFABRIK GMBH (31) Priority Document No :10 2013 012 660.6 (32) Priority Date Address of Applicant : Daimlerstraße 14 71636 Ludwigsburg :30/07/2013 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2014/002068 (72)Name of Inventor: Filing Date :29/07/2014 **1)PHILIPPIN Matthias** (87) International Publication No :WO 2015/014483 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention relates to a gear cutting machine for machining gear teeth comprising a gear cutting tool which is rotationally driven about a tool axis of the gear cutting tool an assembly which has a tool retainer provided for accommodating the gear cutting tool and which is rotatably supported on a carrier in order to set a desired orientation of the tool axis a moving device by means of which a setting of the rotational position of the assembly can be effected and a locking device by means of which the assembly can be locked against rotating from a set rotational position. According to the invention an extension arm coupled to the assembly in a rotationally fixed manner is provided which extension arm is a functional element of the moving device.

No. of Pages : 20 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SWITCHING APPARATUS AND METHOD FOR VARYING AN IMPEDANCE OF A PHASE LINE OF A SEGMENT OF AN ELECTRICAL POWER LINE

| (51) International classification | n:H02J3/18,H01H31/34,H01H51/04 | (71)Name of Applicant : |
|-----------------------------------|--------------------------------|--|
| (31) Priority Document No | :NA | 1)HYDRO QUÉBEC |
| (32) Priority Date | :NA | Address of Applicant :75 boul. René Lévesque Ouest |
| (33) Name of priority country | :NA | 22nd Floor Montréal Québec H2Z 1A4 Canada |
| (86) International Application | :PCT/CA2013/050748 | (72)Name of Inventor : |
| No | :04/10/2013 | 1)COUTURE Pierre |
| Filing Date | .04/10/2013 | |
| (87) International Publication | :WO 2015/048875 | |
| No | | |
| (61) Patent of Addition to | :NA | |
| Application Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application | :NA | |
| Number | :NA | |
| Filing Date | | |

(57) Abstract :

The switching apparatus and the method are for varying the impedance of a phase line of a segment of an electrical power line. The phase line includes n conductors electrically insulated from each other and short circuited together at two ends of the segment. The apparatus comprises a controllable interrupter connected in series for each conductor; a parameter detector; a first controller for controlling the interrupters; and a disabling unit for disabling the interrupters. The disabling unit comprises n controllable switches associated with the interrupters position detectors for detecting which of the interrupters is closed and a second controller having a command output to command the controllable switches and ensure that at all operating times at least one of the interrupters is closed and disabled.

No. of Pages : 42 No. of Claims : 15

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : HEAT EXCHANGER WITH AN ADAPTER UNIT FIXED TO AN ENDPLATE AND ASSOCIATED METHOD OF MANUFACTURE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :F28F9/02 :1357162 :19/07/2013 :France :PCT/EP2014/064378 :04/07/2014 :WO 2015/007550 :NA :NA | (71)Name of Applicant : 1)VALEO SYSTEMES THERMIQUES Address of Applicant :8 rue Louis Lormand F 78320 Le Mesnil Saint Denis France (72)Name of Inventor : 1)DENOUAL Christophe 2)POURMARIN Alain 3)TISON Frédéric |
|---|---|--|
| Number Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a heat exchanger comprising a bundle for the exchange of heat between fluids an endplate (10) of said bundle provided with orifices (11 12) for the distribution of fluid through the bundle and an adapter unit (20) with an external fluid circuit having one or more fluid distribution ducts (21 22) corresponding with one of said or with said distribution orifices of the endplate and being fixed by one face to the endplate characterized in that the endplate (10) comprises at least one semi cutout (110 120) held by crimping in a housing (210 220) formed in the face of the unit (20) in contact with the plate.

No. of Pages : 13 No. of Claims : 11

(21) Application No.11958/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI- PD -1 ANTIBODY AND USE THEREOF

| classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :C07K16/28,C07K14/705,C12N15/13 :201310258289.2 :26/06/2013 :China :PCT/CN2014/072574 :26/02/2014 :WO 2014/206107 :NA :NA :NA | (71)Name of Applicant : 1)SHANGHAI JUNSHI BIOSCIENCES INC. Address of Applicant :Room 602 781 Cailun Road Zhangjiang Hi Tech Park Shanghai 201203 China 2)JUNMENG BIOSCIENCES CO. LTD (72)Name of Inventor : 1)CHEN Bo |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention provides an antibody specifically binding to PD 1 with high affinity or a functional fragment thereof. Further provided are a nucleic acid molecule encoding the antibody of the present invention or the functional fragment thereof an expression vector and a host cell for expressing the antibody of the present invention or the functional fragment thereof and a method of producing the antibody of the present invention or the functional fragment thereof and a method of a method of a producing the antibody of the present invention or the functional fragment thereof. Further provided in the present invention are an immunoconjugate and a pharmaceutical composition containing the antibody of the present invention or the functional fragment thereof as well as a method for treating a plurality of diseases (comprising cancers infectious diseases and inflammatory diseases) by using the antibody of the present invention or the functional fragment thereof.

No. of Pages : 57 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO USER AUTHENTICATION

| (51) International classification | n:G06F21/31,G06F21/32,G06K9/00 | (71)Name of Applicant : |
|---|-----------------------------------|---|
| (31) Priority Document No | :20130886 | 1)SECURE FINGERPRINTS AS |
| (32) Priority Date | :26/06/2013 | Address of Applicant :Elgtrakket 48 N 1383 Asker Norway |
| (33) Name of priority country | :Norway | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/EP2013/074208 :19/11/2013 | 1)PEDERSEN Steinar |
| (87) International Publication No | :WO 2014/206505 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A user authentication method and system is disclosed in which the same sensor surface is used for scanning a fingerprint and for entry of a user specific code. The user specific code comprises gestures that are guided by a frame.

No. of Pages : 46 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICE FOR PROTECTING AGAINST OVERCURRENTS IN ELECTRIC CIRCUITS AND USES OF SAID DEVICE IN A FUSE LINK AND IN A RELATED LIMITING FUSE AS WELL AS IN FUSES FOR PROTECTING SEMICONDUCTORS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :H01H85/38,H01H33/06 :na : - : :PCT/ES2013/070453 :02/07/2013 :WO 2015/001140 :NA | (71)Name of Applicant : 1)INDELCON 2007 S.L. Address of Applicant :Conquistadores 3 E 45500 Torrijos (Toledo) Spain (72)Name of Inventor : 1)PÉREZ GÓMEZ HIDALGO Félix Manuel |
|--|--|--|
| Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a device (1) for protecting against overcurrents which includes a current input terminal (2); a central terminal (3) for outputting current pulse spikes (I); and a terminal (4) for outputting non pulsed current (I) externally connected to the potential of the central terminal (3) before the current pulse spike (Is) is present at the input terminal (2); and an electric conductor element (5) connecting the current input and output terminals (2 and 4); said conductor element having a reduced self induction (L) for operation with no overcurrents but which establishes a major drop in the inductive voltage between said input and output terminals (2 and 4) when the current pulse spikes are present at the input terminal (2); the central terminal (3) being fixed near the current input terminal (2) at an adjustable distance (D) such that when due to a current pulse spike the inductive voltage drop between the input terminal and the non pulsed output terminal (2 and 4) exceeds the dielectric strength of the dielectric material between said input and central terminals (2 and 3) an electric arc is produced due to the skin effect between said input and central terminals (2 and 3) thus eliminating the circulation of current pulse spikes (Is) through the conductor element (5).

No. of Pages : 25 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :06/01/2014

(54) Title of the invention : INSULATED CONTAINER

(43) Publication Date : 13/05/2016

(71)Name of Applicant : 1) BERRY PLASTICS CORPORATION (51) International classification :B65D3/14,B65D81/38 (31) Priority Document No Address of Applicant :101 Oakley Street P.O. Box 959 :61/498455 (32) Priority Date Evansville IN 47706 0959 U.S.A. :17/06/2011 (33) Name of priority country (72)Name of Inventor : :U.S.A. (86) International Application No :PCT/US2012/041395 1)LESER Chris K. Filing Date :07/06/2012 2)DRISKILL Philip A. (87) International Publication No :WO 2012/173873 3)WALLACE Charles T. (61) Patent of Addition to Application 4)EULER John B. :NA Number 5)PALADINO Jason J. :NA Filing Date 6)MARAVICH Milan C. (62) Divisional to Application Number :NA 7) DAVIS Daniel O. Filing Date :NA 8)MANN Jeffrev A. 9)BOWLDS Randy A.

(57) Abstract :

An insulative container (10) is formed to include an interior region (14) and a mouth opening into the interior region. The container (10) includes a floor (20) and a side wall (18) coupled to the floor (20) to define the interior region between the floor and the side wall. The body comprises insulative cellular non aromatic polymeric material for enabling localized plastic deformation in at least one selected region of the body.

No. of Pages : 100 No. of Claims : 82

(21) Application No.11980/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : CATALYST FOR EXHAUST GAS PURIFICATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | | (71)Name of Applicant : 1)CATALER CORPORATION Address of Applicant :7800 Chihama Kakegawa shi Shizuoka 4371492 Japan (72)Name of Inventor : 1)OKADA Mitsuyoshi |
|---|-----------------|--|
| No | :WO 2015/005423 | |
| (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 addresses the problem of providing a catalyst for exhaust gas purification that exhibits excellent methane purification performance. The abovementioned problem can be solved through the use of a catalyst for exhaust gas purification that comprises a substrate and a catalyst layer that is arranged on the substrate said catalyst layer comprising: at least one substance selected from the group consisting of vanadium niobium and tantalum; and platinum and/or palladium.

No. of Pages : 26 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND APPARATUS FOR CONDITIONAL CONTROL OF AN ELECTRONIC PRESSURE REGULATOR

| (51) International classification | :G05D16/20 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/830350 | 1)TESCOM CORPORATION |
| (32) Priority Date | :03/06/2013 | Address of Applicant :12616 Industrial Blvd. Elk River MN |
| (33) Name of priority country | :U.S.A. | 55330 U.S.A. |
| (86) International Application No | :PCT/US2014/040600 | (72)Name of Inventor : |
| Filing Date | :03/06/2014 | 1)DAVIES Steven Craig |
| (87) International Publication No | :WO 2014/197420 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

An intelligent pressure regulator in a process control system is controlled according to a profile constructed by a user on a computer connected to the device. The profile is a multi step command sequence. The profile includes at least one conditional statement and optionally at least one branching statement. That is the profile includes at least one statement that depending on whether the statement is true or false causes the device to execute a first command or a second command respectively. The profile may also include a statement (e.g. a "goto" statement) that causes the device to skip one or more commands in the profile.

No. of Pages : 43 No. of Claims : 41

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING AND MONITORING A FIELD DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :G05D16/20,G05B23/00,G05B11/36 :61/830545 :03/06/2013 :U.S.A. :PCT/US2014/040609 :03/06/2014 | (71)Name of Applicant : 1)TESCOM CORPORATION Address of Applicant :12616 Industrial Blvd. Elk River MN 55330 U.S.A. (72)Name of Inventor : 1)THARALDSON Linda Rose 2)MUIR Gordon Cameron 3)WAKEFIELD Jeffrey Allen |
|---|---|---|
| No | ¹ :WO 2014/197426 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Method of monitoring a field device is provided. A method of collecting data in a field device includes receiving indications of one or more variables for which data should be collected receiving indications of one or more trigger events to trigger collection of data receiving one or more threshold values associated with each of the one or more trigger events monitoring the one or more trigger events and initiating data collection when at least one of the one or more trigger events crosses one or more of the threshold values associated with the corresponding trigger event.

No. of Pages : 44 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : AIRCRAFT CAPABLE OF PASSING FROM THE AERIAL DOMAIN TO THE SPATIAL DOMAIN AND METHOD FOR AUTOMATICALLY ADAPTING THE CONFIGURATION OF SAME

| (51) International classification (31) Priority Document No | :B64G1/00,B64G1/14,B64G1/48 :13/55742 | (71)Name of Applicant : 1)AIRBUS DEFENCE AND SPACE SAS |
|---|--|---|
| (32) Priority Date | :18/06/2013 | Address of Applicant :51 61 route de Verneuil F 78130 Les |
| (33) Name of priority country | :France | Mureaux France |
| (86) International Application No. | o:PCT/FR2014/000128 | (72)Name of Inventor : |
| Filing Date | :11/06/2014 | 1)FERREIRA Eugénio |
| (87) International Publication No | :WO 2014/202842 | 2)CHAVAGNAC Christophe |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An aircraft capable of passing from the aerial domain to the spatial domain and method for automatically adapting the configuration of same. The invention involves providing on said aircraft an additional breathable gas supply (25) that is activated only during a flight phase during which aerobic propulsion is interrupted and is capable of supplying the control system (21) of the manned cabin (3) environment instead of the system (23) associated with the aerobic propulsion means (10).

No. of Pages : 14 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :G06F9/455 :13/928283 :26/06/2013 :U.S.A. :PCT/US2014/044131 | (71)Name of Applicant : 1)AMAZON TECHNOLOGIES INC. Address of Applicant :P.O. Box 81226 Seattle WA 98108 1226 U.S.A. (72)Name of Inventor : |
|--|--|--|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :25/06/2014 :WO 2014/210181 :NA :NA | 1)SURYANARAYANAN Deepak 2)BROWN David Everard 3)FARRELL Eugene Michael 4)LAKSHMANAN Vivek |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | 5)BRACE Colin Harrison 6)TELLVIK Erik Jonathon |

(54) Title of the invention : MANAGEMENT OF COMPUTING SESSIONS

(57) Abstract :

A remote computing session management process is directed to the execution and management of aspects of virtual instances executed on data center computers at a program execution service (PES) platform. A computing session may be established between the PES platform and a computing device connected to the PES platform over a communications network. The data created by the user of the client computing device interacting with the virtual instance may be stored and following an interruption of the remote computing session the data may be used when re establishing the remote computing session.

No. of Pages : 55 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

| | 1 |
|--------------------|---|
| :G06F9/455 | (71)Name of Applicant : |
| :13/928278 | 1)AMAZON TECHNOLOGIES INC. |
| :26/06/2013 | Address of Applicant :P.O. Box 81226 Seattle WA 98108 |
| :U.S.A. | 1226 U.S.A. |
| :PCT/US2014/044137 | (72)Name of Inventor : |
| :25/06/2014 | 1)FARRELL Eugene Michael |
| :WO 2014/210187 | 2)SURYANARAYANAN Deepak |
| | 3)LAKSHMANAN Vivek |
| | 4)BROWN David Everard |
| :INA | 5)BRACE Colin Harrison |
| :NA | |
| :NA | |
| | :13/928278 :26/06/2013 :U.S.A. :PCT/US2014/044137 :25/06/2014 :WO 2014/210187 :NA :NA :NA |

(54) Title of the invention : MANAGEMENT OF COMPUTING SESSIONS

(57) Abstract :

A remote computing session management process is directed to the execution and management of aspects of virtual instances executed on data center computers at a program execution service (PES) platform. A computing session may be established between the PES platform and a computing device connected to the PES platform over a communications network. The data created by the user of the client computing device interacting with the virtual instance may be stored and following an interruption of the remote computing session the data may be used when re establishing the remote computing session.

No. of Pages : 54 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEMS AND METHODS FOR RISK BASED DECISIONING SERVICE INCORPORATING PAYMENT CARD TRANSACTIONS AND APPLICATION EVENTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :G06Q20/40,G06Q20/42,G06Q20/10 :13/934748 :03/07/2013 :U.S.A. :PCT/US2014/044581 :27/06/2014 :WO 2015/002833 :NA :NA :NA | (71)Name of Applicant : MASTERCARD INTERNATIONAL INCORPORATED Address of Applicant :2000 Purchase Street Purchase New York 10577 U.S.A. (72)Name of Inventor : CHISHOLM John Delton GERBER Theunis Johannes GROARKE Peter J. LONE Ishfaq A. WIESMAN Mark B. WICKMAN Matthew J. |
|---|---|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method and system for evaluating a risk of fraud in a payment card transaction using a computer device coupled to a database are provided. The method includes receiving payment card transaction messages relating to a payment card account wherein the payment card transaction messages relate to interactions with a cardholder an issuer of the payment card account or an agent thereof. The method further includes receiving payment card account reputation messages that include historical data relating to the trustworthiness of the payment card account comparing at least one data element in each payment card transaction messages to at least one data element in at least one of: the payment card reputation message and prior transaction history and determining at least one of a risk of fraud of the transaction and a trustworthiness of the payment card account based on the comparison.

No. of Pages : 39 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DIE FOR MANUFACTURING A FILM BY EXTRUSION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :B29C47/32,B29C47/16,B29C47/08 :1355322 :10/06/2013 :France | (71)Name of Applicant : 1)BLUE SOLUTIONS Address of Applicant :Odet F 29500 Ergue Gaberic France (72)Name of Inventor : 1)LE GAL Guy |
|--|--|--|
| (86) International Application No Filing Date | :PCT/EP2014/061998 :10/06/2014 | |
| (87) International Publication No | :WO 2014/198706 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | ¹ :NA :NA | |

(57) Abstract :

The invention relates to a die for manufacturing a film by extrusion comprising two blocks (100 200) that define a flow duct (110) between one another at least one (200) of the two blocks comprising a body (210) that has a deformable portion (220) for modifying the outlet opening of the die characterized in that means (300) for subjecting the deformable portion to a force comprise at least one bearing part (310) that extends in a general direction (V) perpendicular to the direction (L) of flow at the die outlet and comprises a first end (312) bearing against the deformable portion (220) adjusting means (350 380) in contact with the bearing part (310) modifying the position of this part.

No. of Pages : 21 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MALE AND FEMALE PARTS FOR A WEAR ASSEMBLY OF AN EARTH MOVING MACHINE S BUCKET

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)METALOGENIA RESEARCH & TECHNOLOGIES S.L. Address of Applicant :Paseo San Juan Bautista la Salle 40 E 08330 Premià de Mar Spain (72)Name of Inventor : 1)TUTÓ FAJA Joan 2)ORTIZ GRACIA Justo Jesðs 3)TRIGINER BOIXEDA Jorge |
|---|--|--|
|---|--|--|

(57) Abstract :

A wear assembly of an earth moving machine s bucket comprises a male part (1) and a female part (2) both of which in turn comprises a nose (10) (male part) or cavity (20) (female part) provided with an upper contact surface and a lower contact surface. The upper contact surface comprises an upper front contact portion (14 24) that extends backward from the tip of the nose or the bottom of the cavity and the lower contact surface comprises a lower front contact portion (13 23) that extends likewise one of said upper and lower front contact portion (16 26) that extends forward from the base of the nose or the mouth of the cavity and the lower contact surface comprises a lower from the base of said upper and lower contact surface comprises a lower from the base of the nose or the mouth of the cavity and the lower contact surface comprises a lower back contact portion (15 25) that extends likewise one of said upper and lower back contact portions being concave and the other being concave and said upper and lower back contact portions being concave and the other being concave and said upper and lower back contact portion (15 25) that extends likewise one of said upper and lower back contact portions being concave and the other being concave.

No. of Pages : 25 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :01/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : TUBULAR GREENING UNITS | | | |
|--|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | a :A01G9/02,A01G1/00,A01G27/00 :2013124235 :12/06/2013 :Japan :PCT/JP2014/064872 :04/06/2014 :WO 2014/199883 :NA :NA :NA | (71)Name of Applicant : 1)NASSUN. E CORPORATION Address of Applicant :102 Global Ujiie3167 2 Ujiie Sakura shi Tochigi 3291311 Japan (72)Name of Inventor : 1)NASU Masakazu | |

(57) Abstract :

A greening unit comprising at least one case member, said case member having a substantially longitudinal shape and being capable of being bent in the width direction. The greening unit: has fastener elements on both sides along the longitudinal direction; uses the case member as a hollow body ,by joining said elements using a fastener slider; has a plant cultivation base material inserted in the inside of the hollow body; has at least two sliders arranged per one fastener structure; uses part of the fastener as an open section by adjusting the position of the slider; and is capable of having plants planted into the plant cultivation material, from the opening.

No. of Pages : 47 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : BIOREACTOR SYSTEM WITH A TEMPERATURE SENSOR :C12M1/38,G01K1/14 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)GE HEALTHCARE BIO SCIENCES AB :13507322 (32) Priority Date :17/06/2013 Address of Applicant :BjA¶rkgatan 30 S 751 84 Uppsala (33) Name of priority country :Sweden Sweden (86) International Application No :PCT/SE2014/050728 (72)Name of Inventor: Filing Date :16/06/2014 1)A...KERSTRA-M Patrik (87) International Publication No :WO 2014/204384 2)CARLSSON Lars Johan **3)FRICKING Patric** (61) Patent of Addition to Application :NA Number 4)WAHLNÄS HÃ¥kan :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A bioreactor system comprising a base station (11; 17) comprising a control system, a tray (31; 41) arranged to be provided on the base station (11; 17) and arranged to house a bioreactor bag, wherein said base station (11; 17) comprises at least one temperature sensor means (1) and in that said tray (31, 41) comprises at least one opening (33; 43a, 43b) for receiving said temperature sensor means (1) such that it will contact a surface of a bioreactor provided in the tray.

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

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD OF CONTROLLING A COORDINATE POSITIONING MACHINE

| (51) International classification | :G01B21/04,G01B5/012 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :1309506.2 | 1)RENISHAW PLC |
| (32) Priority Date | :28/05/2013 | Address of Applicant :New Mills Wotton under Edge |
| (33) Name of priority country | :U.K. | Gloucestershire GL12 8JR U.K. |
| (86) International Application No | :PCT/GB2014/051612 | (72)Name of Inventor : |
| Filing Date | :28/05/2014 | 1)FEATHERSTONE Timothy Charles |
| (87) International Publication No | :WO 2014/191729 | 2)FREEMAN Matthew Henry |
| (61) Patent of Addition to Application | :NA | 3)BORINI Nadim |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A method is provided of controlling a co ordinate positioning machine to separate a retaining module (16) from a releasably coupled task module (18), the retaining , 42 module (16) being provided on a movable part of the ma chine, and the method comprising: moving the retaining mod 6 ule (16) to place the task module (18) into engagement with a storage port (20) for holding the task module (18); and mov ing and simultaneously rotating the retaining module (16) to 20 20 18 separate the retaining module (16) from the task module (18) with a tilting action of the retaining module (16).

No. of Pages : 46 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :02/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR DETERMINING A SURFACE OF A FACE OF AN OPTICAL LENS ADAPTED TO A SPECTACLE FRAME

| (31) Priority Document No:13305(32) Priority Date:13/06/(33) Name of priority country:EPO(86) International Application No:PCT/EFiling Date:13/06/ | 5/2013 /EP2014/062379 5/2014 2014/198894 GENER. Addre pont Fran (72) Nam 1)REG 2)MOI | LOR INTERNATIONAL (COMPAGNIE ALE DOPTIQUE) ess of Applicant :147 rue de Paris F 94220 Charenton le |
|--|---|--|
|--|---|--|

(57) Abstract :

Method for determining a surface of a face of an optical lens to be mounted to a spectacle frame, the method comprising: a contour data providing step (SI), during which contour data representing a contour of the spectacle frame is provided, a target curvature data providing step (S2) during which target curvature data representing the target curvature of the surface to be determined over an evaluation zone of said surface is provided an optical surface determining step (S3), during which a surface is determined so as to minimize: o the difference between the target curvature and average curvature of the surface over the evaluation zone and o the difference between the contour of the spectacle frame and the periphery contour of the surface, the periphery contour of the surface corresponding to the contour of the surface to be determined of the optical lens after the optical lens has been edged to be mounted in the spectacle frame.

No. of Pages : 33 No. of Claims : 15

(22) Date of filing of Application :19/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMMUNICATION WITH A VIRTUAL TRUSTED RUNTIME BIOS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :PCT/US2011/049677 :30/08/2011 :U.S.A. :PCT/US2011/054045 :29/09/2011 :WO 2013/032495 | (71)Name of Applicant : 1)HEWLETT PACKARD DEVELOPMENT COMPANY L.P. Address of Applicant :11445 Compaq Center Drive W Houston Texas 77070 U.S.A. (72)Name of Inventor : 1)ALI Valiuddin Y 2)PIRES Jose Paulo Xavier |
|---|--|--|
| (86) International Application No | :PCT/US2011/054045 | Houston Texas 77070 U.S.A. |
| Filing Date | :29/09/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/032495 | 1)ALI Valiuddin Y |
| | :NA | · · |
| Number | :NA | 3)MANN James M. |
| Filing Date | .1171 | 4)DALTON Chris I |
| (62) Divisional to Application Number | :NA | 5)BALACHEFF Boris |
| Filing Date | :NA | |

(57) Abstract :

A computing system and a method of communicating with a virtual trusted runtime BIOS. The computing system can include hardware and a virtual machine monitor. A virtual trusted runtime BIOS can be managed by the virtual machine monitor. A communication channel can communicate with the virtual trusted runtime BIOS. The communication channel can be secured by a secure socket layer.

No. of Pages : 27 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : METHOD AND APPARATUS | | | |
|--|-------------|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :30/05/2014 | (71)Name of Applicant : 1)IMPERIAL INNOVATIONS LIMITED Address of Applicant :52 Princes Gate Exhibition Road London SW7 2PG U.K. 2)THE CHINESE UNIVERSITY OF HONG KONG (72)Name of Inventor : 1)URIGUEN Jose Antonio 2)DRAGOTTI Pier Luigi 3)BLU Thierry Albert Jean Louis | |

(57) Abstract :

A signal processing method for estimating a frequency domain representation of signal from a series of samples distorted by an instrument function the method comprising obtaining the series of samples; obtaining a set of coefficients that fit a set of basis functions to a complex exponential function wherein the set of basis functions comprises a plurality of basis functions each defined by a shifted version of the instrument function in a signal domain; estimating the frequency domain representation of the signal based on the series of samples and the coefficients. This is wherein the estimate of the instrument function is based on a characterisation of the instrument function in the frequency domain at frequencies associated with the complex exponential function.

No. of Pages : 64 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : RECHARGEABLE BATTERY WITH WAFER CURRENT COLLECTOR AND ASSEMBLY METHOD

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :H01M4/14,H01M4/66,H01M4/68 :61/826831 :23/05/2013 :U.S.A. | (71)Name of Applicant : 1)GRIDTENTIAL ENERGY INC. Address of Applicant :5941 Optical Court Suite 218A San Jose California 95138 U.S.A. |
|--|---|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/US2014/039379 :23/05/2014 :WO 2014/190282 | (72)Name of Inventor :1)MUI Collin Kwok Leung2)MOOMAW Daniel Jason |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

Apparatus and techniques herein related battery plates. For example a first battery plate can include a conductive silicon wafer. A first mechanical support can be located on a first side of the conductive silicon wafer. A first active material can be adhered to the first mechanical support and the first side of the conductive silicon wafer the first active material having a first polarity. In an example the battery plate can be a bipolar plate such as having a second mechanical support located on a second side of the conductive silicon wafer and the first side and a second active material adhered to the second mechanical support and the second side of the conductive silicon wafer the second material having an opposite second polarity.

No. of Pages : 31 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :18/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI FINGERPRINT COATING COMPOSITION AND FILM USING THE SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :25/07/2012 | Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor : 1)PARK Byung Ha 2)HWANG In Oh 3)HAM Cheol 4)SONG Ki Yong 5)PARK Soo Jin |
|---|-------------------|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | 6)PARK Sung Jun 7)HWANG Woo Taek 8)KIM Myung Gon 9)OH Seung Taek 10)SAHER Saim |

(57) Abstract :

Disclosed herein is an anti fingerprint coating composition a coating composition for forming thin films that prevents fingerprints adhered to displays or touch panels from being remarkably visible and exhibits superior durability and slip properties and a method for preparing the same. The anti fingerprint coating composition is prepared by mixing a silane compound having an alkyl group with distilled water or acid.

No. of Pages : 28 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :18/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVELOPING CARTRIDGE AND IMAGE FORMING APPARATUS HAVING THE SAME

| (51) International classification (31) Priority Document No | :G03G15/08,G03G21/16 :1020110072272 | (71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO. LTD. |
|---|--|---|
| (32) Priority Date | :21/07/2011 | Address of Applicant :129 Samsung ro Yeongtong gu Suwon |
| (33) Name of priority country | :Republic of Korea | si Gyeonggi do 443 742 Republic of Korea |
| (86) International Application No | :PCT/KR2012/005745 | (72)Name of Inventor : |
| Filing Date | :18/07/2012 | 1)CHOI Mun Hyub |
| (87) International Publication No | :WO 2013/012255 | 2)LEE Sung Kyun |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An image forming apparatus includes a body at least one developing cartridge which is disposed inside the body to form an image and is provided at one side thereof with an interface terminal to receive a power a tray movably coupled to the body while accommodating the at least one developing cartridge a cover coupled to one side to open/close the body such that the tray moves to outside the body a link member configured to guide the movement of the tray and to move according to the open/close movement of the cover while being connected to the cover and a connection terminal configured to make contact with the interface terminal by being pressed by the link member when the cover closes the body and to be separated from being released for pressing force when the cover opens the body.

No. of Pages : 32 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :20/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPACE EFFICIENT CONTAINMENT DEVICES AND METHOD OF MAKING SAME

| (51) International classification | :A61B5/07,B65D81/22,A61M31/00 | (71)Name of Applicant : 1)MICROCHIPS INC. |
|---|-----------------------------------|---|
| (31) Priority Document No | :61/527482 | Address of Applicant :1000 Winter Street Suite 3350 Waltham |
| (32) Priority Date | :25/08/2011 | MA 02451 U.S.A. |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/US2012/052463 :27/08/2012 | 1)FARRA Robert |
| (87) International Publication No | :WO 2013/029037 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | ':NA :NA | |

(57) Abstract :

Containment devices and methods of manufacture and assembl y are provided in an embodiment the device includes at least one microchip element which includes a containment reservoir that can be electrically activated to open and a first electronic printed circuit board (PCB) which comprises a biocompatible substrate. The first PCB may have a first side on which one or more electronic compooents are fixed and an opposed second side on which the microchip element is fixed in electrical connection to the one or more electronic components. The device may further include a second PCB and a housing ring securing the first PCB together with the second PCB The microchip element may Include a plurality of containment reservoirs which may be microreservoirs and/or which may contain a drag formulation or a sensor element.

No. of Pages : 23 No. of Claims : 33

(21) Application No.11669/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :B60L15/20 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :2013142303 | 1)NTN CORPORATION |
| (32) Priority Date | :08/07/2013 | Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku |
| (33) Name of priority country | :Japan | Osaka shi Osaka 5500003 Japan |
| (86) International Application No | :PCT/JP2014/067789 | (72)Name of Inventor : |
| Filing Date | :03/07/2014 | 1)ZHANG Yingjie |
| (87) International Publication No | :WO 2015/005215 | 2)OKADA Koichi |
| (61) Patent of Addition to Application | :NA | 3)UCHIYAMA Naoyuki |
| Number Filing Data | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | | |
| Filing Date | :NA | |

(54) Title of the invention : SLIP CONTROL DEVICE FOR ELECTRIC VEHICLE

(57) Abstract :

Provided is a slip control device for accurately determining slip using only a rotation angle sensor for controlling the rotation of a motor as a sensor to quickly eliminate the slip. The slip control device includes a threshold calculation means (21) for acquiring a threshold by calculating the normal angular acceleration of a motor in accordance with the accelerator operation amount; and an angular acceleration calculation means (22) for calculating the angular acceleration by differentiating the detected value of a rotation angle sensor (3a) twice. The slip control device includes a slip determination means (23) for determining that a driving wheel (7) is slipped, and a torque limit means (25) for limiting a torque if there was a slip. The slip determination means (23) determines the angular acceleration and the threshold using an angular acceleration comparing unit (26). The slip determination means (23) counts the number of continuous determinations that the angular acceleration exceeds the threshold and determines slip when the counted number reaches a preset value. The torque limit means (25) limits also the torque of the motor for the driving wheel horizontally opposite a driving wheel determined that slip occurs.

No. of Pages : 39 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/01/2014

(43) Publication Date : 13/05/2016

| :B22C9/14 | (71)Name of Applicant : |
|--------------------|--|
| :NA | 1)ZANATTA Jeanlis Brito |
| :NA | Address of Applicant : Avenida Osmundo dos Santos |
| :NA | Pellegrini 1790 apto. K 2 Recanto IV CentenÃ;rio 13211 745 |
| :PCT/BR2011/000178 | Jundiaà SP Brazil |
| :08/06/2011 | (72)Name of Inventor : |
| :WO 2012/167335 | 1)ZANATTA Jeanlis Brito |
| •NI A | |
| | |
| :NA | |
| :NA | |
| :NA | |
| | :NA :NA :NA :PCT/BR2011/000178 :08/06/2011 :WO 2012/167335 :NA :NA :NA |

(54) Title of the invention : BREATHER FOR PERMANENT ALUMINIUM CASTING MOULD

(57) Abstract :

The patent relates to the field of metallurgical products and comprises a cylindrical body (15) provided with a plurality of slots (16) with a taper "A" designed such that the larger opening (18) is at the outer surface of the breather (15) and the smaller opening (19) is located internally with respect to the breather (15) so that the aluminium component (5) when removed from the mould (6) brings with it the burr (17) leaving the slots (16) of the breather (15) always free and also a breather (20) comprising a cylindrical body constituted from a plurality of holes (21) with a conicity "A" designed such that the larger opening (22) is at the outer surface of the breather (20) and the smaller opening (23) is located internally with respect to the breather (20).

No. of Pages : 14 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : METHOD FOR PRODUCING POLYMER | | |
|---|-----------------------------|--|
| | | |
| (51) International classification | :C08F8/06,C08F4/52,C08F4/54 | (71)Name of Applicant : |
| (31) Priority Document No | :2011180930 | 1)BRIDGESTONE CORPORATION |
| (32) Priority Date | :22/08/2011 | Address of Applicant :1 1 Kyobashi 3 chome Chuo ku Tokyo |
| (33) Name of priority country | :Japan | 1048340 Japan |
| (86) International Application No | :PCT/JP2012/005269 | (72)Name of Inventor : |
| Filing Date | :22/08/2012 | 1)KAITA Shojiro |
| (87) International Publication No | :WO 2013/027401 | 2)WAKATSUKI Yasuo |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided is a method for producing a polymer which is capable of producing a polymer with high yield while suppressing the production of a by product said polymer being obtained by adding a hydroxyl group to an end of a homopolymer of a non conjugated olefin a homopolymer of a conjugated diene compound or a conjugated diene compound non conjugated olefin copolymer. A method for producing a polymer of a non conjugated olefin a homopolymer of a non conjugated olefin a homopolymer of a non conjugated olefin a homopolymer of a conjugated diene compound or a conjugated diene compound non conjugated olefin copolymer. This method for producing a polymer comprises: a first reaction step wherein an organic aluminum compound and a hydrocarbon that contains the non conjugated olefin and/or the conjugated diene compound are reacted with each other using a catalyst that contains a rare earth element compound; a second reaction step wherein a first reactant obtained in the first reaction step and oxygen are reacted with each other; and a third reaction step wherein a second reactant obtained in the second reaction step and water and/or an alcohol are reacted with each other.

No. of Pages : 44 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SURROUND | SENSING SYSTEM | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :G01C7/04,G01S17/89 :13175826.0 :09/07/2013 :EPO :PCT/EP2014/064769 :09/07/2014 :WO 2015/004213 :NA :NA | (71)Name of Applicant : 1)XENOMATIX NV Address of Applicant :Esperantolaan 4 B 3001 Leuven Belgium (72)Name of Inventor : 1)VAN DEN BOSSCHE Johan 2)VAN DYCK Dirk |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A system (100) for detecting the profile of an object. The system (100) comprises a radiation source (101) for generating a radiation pattern. The system (100) also comprises a detector (102) which has a plurality of pixels and a processor (103) for processing data from the detector (102) when radiation from the radiation source is reflected by an object and detected by the detect or (102). The system also comprises a synchronization means (104) interfacing between the detector (102) and the radiation source (101). The radiation source (101) is designed for operating in pulsed mode and the synchronization means (104) can synchronize the pulses of the radiation source (101) with the sampling of the detector (102).

No. of Pages : 41 No. of Claims : 21

(21) Application No.11656/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G02C7/02,B29D11/00 | (71)Name of Applicant : |
|--|---|---|
| (31) Priority Document No | :13305983.2 | 1)ESSILOR INTERNATIONAL (COMPAGNIE |
| (32) Priority Date | :10/07/2013 | GENERALE DOPTIQUE) |
| (33) Name of priority country | :EPO | Address of Applicant :147 rue de Paris F 94220 Charenton le |
| (86) International Application No | :PCT/EP2014/064759 | Pont France |
| Filing Date | :09/07/2014 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2015/004208 | 1)GODOT Vincent |
| (61) Patent of Addition to Application | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :09/07/2014 :WO 2015/004208 :NA :NA :NA | Pont France (72) Name of Inventor : |

(54) Title of the invention : LENS SUPPLY SYSTEM AND RELATED METHODS

(57) Abstract :

The present invention relates to supply systems for providing spectacle ophthalmic lenses. Said supply systems have improved efficacy, in particular with respect to lens blank picking performance and/or lens manufacturing performance. The present invention also provides a lens blank with an identifier, wherein the identifier allows the subsequent retrieval of a measured value of a geometrical parameter of said blank. The present invention further provides methods for providing a lens blank that is identifiable, in that it allows the subsequent retrieval of a measured value of a geometrical parameter of said blank. The present invention lies particularly in that at least a measured value of at least one geometric parameter of a semi-finished spectacle lens blank is used instead of the corresponding nominal value of said at least one geometric parameter.

No. of Pages : 24 No. of Claims : 19

(22) Date of filing of Application :22/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : REDOX FLOW BATTERY

(57) Abstract :

A redox flow battery i s provided with a charge/discharge cell (11), a first tank (23) for storing a positive-electrode electrolyte (22), and a second tank (33) for storing a negative-electrode electrolyte (32). The positive-electrode electrolyte (22) contains, for example, a ferrous redox substance and citric acid. The negative-electrode electrolyte (32) contains, for example, a titanium redox substance and citric acid. The negative-electrode electrolyte (32) in the second tank (33) is no greater than 1.5 mg/L.

No. of Pages : 45 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PRC | DIEIN RECOVERY | |
|--|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :1113811.2 :10/08/2011 :U.K. :PCT/GB2012/000655 :10/08/2012 | (71)Name of Applicant : 1)AB AGRI LIMITED Address of Applicant :Weston Centre 10 Grosvenor Street London W1K 4QY U.K. (72)Name of Inventor : 1)WILLIAMS Peter Edmond Vaughan |

(54) Title of the invention : PROTEIN RECOVERY

(57) Abstract :

A process for recovering a proteinaceous material from a fermentable organic material comprising: (i) forming an aqueous mixture of a fermentable organic material and a fermentation agent capable of fermenting the organic material to produce ethanol wherein the organic material is a vegetable material containing protein; (ii) fermenting the aqueous mixture to produce ethanol; (iii) recovering from the fermented aqueous mixture an ethanol stream which is rich in ethanol and a co product stream comprising unfermented organic material fermentation agent and an aqueous solution of dissolved solids in water; (iv) subjecting the co product stream to a first separation stage to recover a first stream rich in the unfermented organic material and a second stream rich in the fermentation agent suspended in the aqueous solution; and (v) subjecting the first stream to a protein recovery step in which at least part of the fibre in the unfermented organic material to provide a protein rich material and a residual fibre containing less protein than the rich material.

No. of Pages : 25 No. of Claims : 40

(21) Application No.11542/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR THE TREATMENT OF GAS (51) International classification:F23G7/06,B01D53/62,C01B31/20 (71)Name of Applicant : :2013901793 1)SUSTAINABLE ENHANCED ENERGY PTY LTD (31) Priority Document No (32) Priority Date :20/05/2013 Address of Applicant :c/ Cullens Patent and Trademark (33) Name of priority country Attorneys Level 32 239 George Street Brisbane queensland 4000 :Australia (86) International Application Australia :PCT/AU2014/000201 (72)Name of Inventor: No :05/03/2014 Filing Date 1)FISHER William (87) International Publication :WO 2014/186817 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A method for the treatment of gas generated by the combustion of fossil fuel in a first combustion chamber the method comprising the steps of transferring the gas to a second combustion chamber combusting the gas in the second furnace in the presence of oxygen and a fuel source to generate waste gas and treating the waste gas to produce a concentrated carbon dioxide stream.

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

(19) INDIA

(22) Date of filing of Application :07/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PROVIDING IMAGES OF A TISSUE SECTION

| (32) Priority Date (33) Name of priority country (33) Name of priority country (33) Name of priority country (34) Sweden (35) International Application No: PCT/SE2012/050851 (35) Filing Date (35) PCT/SE2012/050851 (36) International Publication No: WO 2013/015740 (37) International Publication No: WO 2013/015740 (38) Priority Country (39) Name of priority country (30) Name of Application Village S 223 81 Lund (31) Name of Inventor : (32) Priority Country (33) Name of priority country (34) Patent of Addition to (35) Patent of Addition to (36) Patent of Addition to (37) Patent of Addition to (37) Patent of Addition to (37) Patent of Addition to (38) PCT/SE2012/050851 (39) PCT/SE2012/050851 (30) PCT/SE2012/050851 (31) Patent of Addition to (32) PCT/SE2012/050851 (32) PCT/SE2012/050851 (33) PCT/SE2012/050851 (34) PCT/SE2012/050851 (35) PCT/SE2012/050851 (36) PCT/SE2012/050851 (37) PCT/SE2012/050851 (37) PCT/SE2012/050851 (38) PCT/SE2012/050851 (38) PCT/SE2012/050851 (39) PCT/SE2012/050851 (30) PCT/SE2012/050851 (31) PCT/SE2012/050851 (32) PCT/SE2012/050851 (33) PCT/SE2012/050851 (34) PCT/SE2012/050851 (35) PCT/SE2012/050851 (36) PCT/SE2012/050851 (37) PCT/SE2012/050851 (38) PCT/SE2012/050851 (38) PCT/SE2012/050851 (39) PCT/SE2012/050851 (30) PCT/SE2012/050851 (31) PCT/SE2012/050851 (32) PCT/SE2012/050851 (31) PCT/SE2012/050851 (32) PCT/SE2012/050851 (32) PCT/SE2012/050851 (31) PCT/SE2012/050851 (31) PCT/SE2012/050851 (32) PCT/SE2012/050851 (32) PCT/SE2012/050851 (32) PCT/SE2012/050851 | (33) Name of priority country (86) International Application New Filing Date (87) International Publication New Generation of Addition to Application Number Filing Date (62) Divisional to Application Number | :Sweden o:PCT/SE2012/050851 :27/07/2012 o:WO 2013/015740 :NA :NA :NA | 1)MEDETECT AB Address of Applicant :Medicon Village S 223 81 Lund Sweden (72)Name of Inventor : |
|--|--|--|--|
|--|--|--|--|

(57) Abstract :

A method for differentiating areas in a series of digital images the method comprising the steps of: providing a series of images comprising undetermined marker areas; evaluating every image l for 1=n=N according to predetermined selection criteria and defining image marker areas as undetermined marker areas fulfilling the predetermined selection criteria; providing a new image l; and inserting new image marker areas in the new image l said new image marker areas having the same shape and location as image marker areas present in image l but not in image l and said new image marker areas being identifiable in l by a unique feature. Further the application discloses a method for visualizing cell populations in tissue sections of a histological sample. Further the application discloses a method for visualizing three dimensional distribution of multiple cell populations in a histological sample.

No. of Pages : 60 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SIGNATURE VERIFICATION DEVICE SIGNATURE VERIFICATION METHOD PROGRAM AND RECORDING MEDIUM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04L9/32,G09C1/00 :2011185946 :29/08/2011 :Japan :PCT/JP2012/068324 :19/07/2012 :WO 2013/031414 :NA :NA :NA :NA | (71)Name of Applicant : 1)SONY CORPORATION Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor : 1)SAKUMOTO Koichi 2)SHIRAI Taizo 3)HIWATARI Harunaga |
|---|--|---|
|---|--|---|

(57) Abstract :

Provided is a signature verification device equipped with: a signature acquisition section for acquiring an electronic signature that includes first information generated on the basis of a set of multidimensional multivariate polynomial functions ($F = (f \ alpha electronic signature that includes a plurality of items of second information necessary for verifying that the first information was generated using the signature key (s) on the basis of the document (M) the set of multidimensional multivariate polynomial functions (F) and a vector (y); and a signature verification section for confirming whether the first information is reproducible using the plurality of items of second information included in the electronic signature to verify the validity of the document (M). The signature verification section reproduces the first information sequentially using the second information acquired in a predetermined number of increments and when the second information is no longer necessary for the reproduction process deletes the unnecessary information.$

No. of Pages : 89 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F03D7/02 :10 2011 081 795.6 :30/08/2011 :Germany :PCT/EP2012/065910 :14/08/2012 :WO 2013/029993 :NA :NA :NA :NA | (71)Name of Applicant : 1)WOBBEN PROPERTIES GMBH Address of Applicant :Dreekamp 5 26605 Aurich Germany (72)Name of Inventor : 1)DE BOER Wolfgang 2)GIERTZ Helge |
|---|--|---|
|---|--|---|

(54) Title of the invention : METHOD FOR OPERATING A WIND TURBINE

(57) Abstract :

The invention relates to a method for operating a wind turbine which is selectively operated in a first or a second operating mode. In the first operating mode, the wind turbine generates as much electric power as possible on the basis of prevailing wind and the design of the wind turbine, and in the second operating mode, the wind turbine generates less electric power than in the first operating mode. In the first operating mode, the wind turbine is controlled using a first adjustment parameter set and in the second operating mode using a second adjustment parameter set that is different from the first adjustment parameter set. When the wind turbine is operated in the second operating mode, the power that can be maximally generated using the first adjustment parameter set is ascertained or a differential power output is ascertained as the difference between the power that can be maximally o generated and the power that is currently being generated in the second operating mode dependent on the second adjustment parameter set, and/or the second adjustment parameter set is selected dependent on a desired power output reduction.

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

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : GLASS RIBBON BREAKING DEVICES AND METHODS OF PRODUCING GLASS SHEETS

(57) Abstract :

Methods of producing a glass sheet each comprise the step of creating a vacuum to force the entire lateral portion of the glass ribbon to engage an anvil portion of a breaking device in the elastic zone. The vacuum is provided by a plurality of pressure zones that are operated independent from one another, wherein each pressure zone is provided with a set of suction cups. In further examples, glass ribbon breaking devices each include a plurality of pressure zones that are configured to be operated independent from one another with each pressure zone is provided with set of suction cups.

No. of Pages : 39 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(51) International classification :H04R1/00 (71)Name of Applicant : (31) Priority Document No **1)ALIPHCOM** :13/900943 (32) Priority Date Address of Applicant : Third Floor 99 Rhode Island Street San :23/05/2013 (33) Name of priority country Francisco California 94103 U.S.A. :U.S.A. 2)BARRENTINE, Derek Boyd (86) International Application No :PCT/US2014/038670 Filing Date :19/05/2014 3)LUNA. Michael Edward Smith (87) International Publication No :WO 2014/189861 4)DONALDSON,Thomas Alan (61) Patent of Addition to Application (72)Name of Inventor : :NA Number **1)BARRENTINE Derek Boyd** :NA Filing Date 2)LUNA Michael Edward Smith (62) Divisional to Application Number :NA **3)DONALDSON Thomas Alan** Filing Date :NA

(54) Title of the invention : STRUCTURES FOR DYNAMICALLY TUNED AUDIO IN A MEDIA DEVICE

(57) Abstract :

Techniques associated with structures for dynamically tuned audio in a media device are described, including a housing, a driver mounted to the housing and configured to produce acoustic energy, a hybrid radiator mounted to the housing and formed at least in part using a material configured to change one or more properties in response to an application of an external stimulus, and a source configured to apply the external stimulus to the hybrid radiator.

No. of Pages : 25 No. of Claims : 18

(54) Title of the invention : NO- AND H2S- RELEASING COMPOUNDS"

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :A61K31/13,A01N33/24 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :61/523513 | 1)RESEARCH FOUNDATION OF THE CITY |
| (32) Priority Date | :15/08/2011 | UNIVERSITY OF NEW YORK |
| (33) Name of priority country | :U.S.A. | Address of Applicant :230 West 41st Street New York New |
| (86) International Application No | :PCT/US2012/050922 | York 10036 U.S.A. |
| Filing Date | :15/08/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/025790 | 1)KASHFI Khosrow |
| (61) Patent of Addition to Application | . NI A | 2)KODELA Ravinder |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

This disclosure relates to novel compounds containing an HS releasing moiety and a nitric oxide (NO) releasing moiety covalently linked with a core (e.g. a salicylic acid moiety) and the use of such compounds in treating inflammatory diseases including cancers. Therapeutic potency of these compounds is significantly higher than NSAIDs containing a HS releasing moiety alone (HS NSAIDs) and NSAID containing a NO releasing moiety alone (NO NSAIDs). The compounds in addition exhibit reduced side effect e.g. reduced stomach ulcers upon administration.

No. of Pages : 194 No. of Claims : 71

(19) INDIA

(22) Date of filing of Application :08/01/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : STEERING AND DRIVE ASSEMBLY | | |
|--|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B62D5/20,B62D7/10,B62D63/00 :61/505698 :08/07/2011 :U.S.A. :PCT/US2012/045623 :05/07/2012 :WO 2013/009580 :NA :NA :NA | (71)Name of Applicant : 1)BOOMERANG SYSTEMS INC. Address of Applicant :30B Vreeland Road Suite 100 Florham Park NJ 07932 U.S.A. (72)Name of Inventor : 1)SWASEY Merin 2)KIRBY Tyler 3)HOTH Kelly |

(57) Abstract :

A drive and steering unit for driving and steering a load support comprises in one embodiment a steering assembly including a steering gear attached to a wheel housing and engaged with the steering power system the steering gear being rotatable about an axis in response to actuation of the steering assembly a drive assembly connected to the steering gear and a drive power system coupled to the drive assembly and movable with the steering gear. In an alternate embodiment the steering assembly is connected to the wheel through a steering gear attached to a slewing ring that supports the drive assembly and is rotatable with the drive assembly.

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

(19) INDIA

(22) Date of filing of Application :03/03/2014

(71)Name of Applicant : 1)GREEN MOUNTAIN COFFEE ROASTERS INC. Address of Applicant :33 Coffee Lane Waterbury VT 05676 U.S.A. (72)Name of Inventor: 1)NOVAK Thomas J. 2)PACKARD Ross **3)PETERSON Peter** 4)GULLA Shawn 5)HUOT CARLSON Jennifer Caitlin **6)SCHMITT Camilla** 7)HEWITT Jim 8)ANGOTTI Marc :B67D1/00,B67D1/04,B67D3/00 (51) International classification 9)CARROLL Ray (31) Priority Document No :61/514676 **10)ESTABROOK Richard** (32) Priority Date :03/08/2011 11)HARTLEY Kevin (33) Name of priority country :U.S.A. 12)CONSOLI Frank (86) International Application No:PCT/US2012/049356 13)COHEN Mark Filing Date :02/08/2012 14)JONES Ross (87) International Publication No :WO 2013/019963 **15)MARTINEZ Nicolas Alejandro** (61) Patent of Addition to :NA **16)HEMBER Miles William Noel** Application Number :NA **17)SCHMITT Fabien Yannick** Filing Date **18)MOTTRAM Nial Allan** (62) Divisional to Application :NA **19)OPREY Cormac** Number 20)ROLLINGS Nicholas David :NA Filing Date 21)KILBY Charles Frazer 22) RICHARDSON Christopher Paul 23) JACKSON Thomas Bates 24)GRUBB Scott 25)CHAN Wai **26)CAMPBELL Neil Lester** 27)STACEY Gary 28)COVEY Chris **29)DOBSON Barry 30)WILKINS Paul 31)ROACH Chris** 32)CAUWOOD Peter 33)THOMPSON Keith

(54) Title of the invention : METHOD AND APPARATUS FOR CARTRIDGE BASED CARBONATION OF BEVERAGES

(57) Abstract :

Systems methods and cartridges for carbonating or otherwise dissolving gas in a precursor liquid such as water to form a beverage. A gas source (41) can be provided in a cartridge (4) which is used to generate gas that is dissolved into the precursor liquid. A beverage medium (42) such as a powdered drink mix or liquid syrup may be provided in the same or a separate cartridge as the gas source (4) and mixed with the precursor liquid to form a beverage. The use of one or more cartridges for the gas source (4) and/or beverage medium (42) may make for an easy to use and mess free system for making sparkling beverages e.g. in the consumer s home.

No. of Pages : 158 No. of Claims : 374

(22) Date of filing of Application :07/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CROWD CONTROL BARRIER

| (51) International classification | :E01F13/02 | (71)Name of Applicant : |
|---|--------------------|---|
| (31) Priority Document No | :1109589.0 | 1)WETTERN Laurence P. |
| (32) Priority Date | :08/06/2011 | Address of Applicant :Brook House Netherbury Bridport |
| (33) Name of priority country | :U.K. | Dorset DT6 5LX U.K. |
| (86) International Application No | :PCT/GB2012/051288 | (72)Name of Inventor : |
| Filing Date | :08/06/2012 | 1)WETTERN Laurence P. |
| (87) International Publication No | :WO 2012/168719 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A holder assembly for a crowd control barrier has a bobbin 13 rotatably mounted within a container 12 and configured to have a flexible band 15 wound therearound with the free end 16 of the band emerging from the container whereby the band may be extended so that the free end can be connected to a remote support. When assembled a spring 25 acts on the bobbin 13 such that tension in the spring is increased as the band 15 is extended whereby the spring may re wind the band on to the bobbin. The bobbin 13 is axially insertable into and removable from the container 12 to allow the band to be changed. The spring 25 is associated with a carrier 24 and there is a screw threaded mechanism 27 arranged to rotate the carrier 24 to pre load the spring 25 as the bobbin 13 is inserted into the container 12.

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

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : MACHINE TOOL AND METHOD FOR CHANGING TOOLS ON A MACHINE TOOL

| (51) International classification | :B23Q3/157 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10 2011 053 455.5 | 1)MAG IAS GMBH |
| (32) Priority Date | :09/09/2011 | Address of Applicant :Stuttgarter Strasse 50 73033 |
| (33) Name of priority country | :Germany | Göppingen Germany |
| (86) International Application No | :PCT/EP2012/067368 | (72)Name of Inventor : |
| Filing Date | :06/09/2012 | 1)ABELN Tobias |
| (87) International Publication No | :WO 2013/034620 | 2)POMPE Walter |
| (61) Patent of Addition to Application | :NA | 3)ELL Benedikt |
| Number | | 4)GUNZENHAUSER Markus |
| Filing Date | :NA | 5)HOMMEL Gerhard |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

Machine tool comprising a machine frame (14) at least one tool spindle (18a 18b) that is arranged on the machine frame (14) and can be moved in relation thereto a workpiece holder (32) and a storage device (34) for tools (36) that is arranged on the machine frame (14). The disclosed machine tool is characterized in that at least one rotatable disk type storage unit (66; 68) for tools which communicates with the storage device (34) and with the at least one tool spindle (18a; 18b) is arranged on the machine frame (14) each tool spindle (18a; 18b) being associated with its own disk type storage unit (66; 68) and in that the storage device (34) comprises a continuous conveying device (54).

No. of Pages : 36 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SMALL MOLECULE COMPOUNDS THAT CONTROL PLANT AND INSECT PATHOGENIC NEMATODES

| (51) International classification | :A01N43/16,A01N63/00,A01P5/00 | (71)Name of Applicant : 1)CALIFORNIA INSTITUTE OF TECHNOLOGY |
|-----------------------------------|-------------------------------|---|
| (31) Priority Document No | :61/521295 | Address of Applicant :1200 East California Boulevard |
| (32) Priority Date | :08/08/2011 | Pasadena California 91125 U.S.A. |
| (33) Name of priority country | :U.S.A. | 2)BOYCE THOMPSON INSTITUTE FOR PLANT |
| (86) International Application | :PCT/US2012/050032 | RESEARCH |
| No | :08/08/2012 | 3)U.S. DEPARTMENT OF AGRICULTURE |
| Filing Date | | (72)Name of Inventor : |
| (87) International Publication | :WO 2013/022997 | 1)CHOE Andrea |
| No | | 2)STERNBERG Paul Warren |
| (61) Patent of Addition to | :NA | 3)SCHROEDER Frank Clemens |
| Application Number | :NA | 4)VON REUSS Stephan Heinrich |
| Filing Date | | 5)KAPLAN Fatma |
| (62) Divisional to Application | :NA | 6)TEAL Peter A. |
| Number | :NA :NA | 7)ALBORN Hans |
| Filing Date | | |

(57) Abstract :

The present invention relates to methods of modifying nematode behavior using certain isolated modulator compounds. Also disclosed are methods of promoting or inhibiting reproduction in a nematode population methods of promoting or inhibiting nematode aggregation at a first location and methods of treating or preventing parasite infection of a plant.

No. of Pages : 252 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PINION VIBRATION DAMPING USING VISCOELASTIC PATCH | | | |
|---|----------------------|---|--|
| | | | |
| (51) International classification | :F16H55/14,F16H57/00 | (71)Name of Applicant : | |
| (31) Priority Document No | :1157991 | 1)TURBOMECA | |
| (32) Priority Date | :08/09/2011 | Address of Applicant :F 64510 Bordes France | |
| (33) Name of priority country | :France | (72)Name of Inventor : | |
| (86) International Application No | :PCT/FR2012/052003 | 1)MARSAUDON Mathieu | |
| Filing Date | :07/09/2012 | 2)CUTULI Philippe | |
| (87) International Publication No | :WO 2013/034862 | | |
| (61) Patent of Addition to Application | :NA | | |
| Number | :NA | | |
| Filing Date | .114 | | |
| (62) Divisional to Application Number | :NA | | |
| Filing Date | :NA | | |

(57) Abstract :

The invention relates to a gearwheel (26) extending in an axial direction and a radial direction comprising a radial wheel disc (30) supporting an axial annular rim (34) said rim (34) bearing gear teeth (40). The invention is characterized in that said wheel disc (30) is fitted with a vibration damping device (42) in that the vibration damping device (42) consists of a layer of viscoelastic material (44) and of a backing layer (46) in that the layer of viscoelastic material (44) is arranged axially between the radial wheel disc (30) and the backing layer (46) and in that the layer of viscoelastic material (44) is fixed directly to the wheel disc (30).

No. of Pages : 18 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :07/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : HYDROMETHANATION OF A CARBONACEOUS FEEDSTOCK

(57) Abstract :

The present invention relates generally to processes for hydromethanating a carbonaceous feedstock in a hydromethanation reactor to methane product steam and a char by product and more specifically to removal of the char by product from the hydromethanation reactor.

No. of Pages : 48 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :23/12/2015

(54) Title of the invention : CIRCULAR WEAVING MACHINE

(43) Publication Date : 13/05/2016

| (51) International classification(31) Priority Document No(32) Priority Date | :D03D39/00,D03D37/00 :13177863.1 :24/07/2013 | (71)Name of Applicant : 1)STARLINGER & CO GESELLSCHAFT M.B.H. Address of Applicant :Sonnenuhrgasse 4 A 1060 Wien Austri |
|--|--|--|
| (33) Name of priority country | :EPO | (72)Name of Inventor : |
| (86) International Application No Filing Date(87) International Publication No | :PCT/EP2014/064539 :08/07/2014 :WO 2015/010889 | 1)HEHENBERGER Reinhold |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A circular weaving machine (1,) has warp-tape guide elements (2) which are arranged around a circular reed (4, 4")in order to feed a multiplicity of warp tapes (3). Weaving-shed forming devices (5) group the fed warp tapes into two warp-tape groups (10, 11) and impart thereon mutually opposed alternating movements, with the result that a weaving shed (9) is opened and closed between the two warp-tape groups. A weaving Shuttle (12) moves on a trajectory in the opened weaving shed (9) and in the process introduces a wert tape from a weft-tape package (13) carried thereby into the weaving shed (9), with the result that a fabric is formed. The fabric is drawn off through a weaving ring (15). The weaving Shuttle (12) keeps the package axis (13a) of the weft-tape package (13) at an angular position which deviates by at most $+/-15\hat{A}^\circ$, preferably at most $+/-10\hat{A}^\circ$, from a normal to a surface (9a, 9a") which contains the geometric connecting lines between the warp-tape guide elements (2) and the weaving ring (15).

No. of Pages : 15 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : DESULFURIZATION OF GASES IN THE PRODUCTION OF PIG IRON | | |
|---|------------|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | | THE PRODUCTION OF PIG IRON (71)Name of Applicant : 1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant :Turmstrasse 44 4031 Linz Austria (72)Name of Inventor : 1)MILLNER Robert |
| Number Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a process for producing liquid pig iron (1), in which charge materials (2) containing iron oxide are reduced by means of a reducing gas (5) in a first reduction plant (4) to form a partially reduced first iron product (3) and are melted in a fusion gasifier (11) to form the liquid pig iron (1), wherein the spent reducing gas (5) is introduced as export gas (6) into a second reduction plant (7), and wherein a sulfur-containing gas (13) is introduced together with an oxygen-containing gas (9) and/or together with dust (16) into the fusion gasifier (11) and or into the reducing gas (12). The invention further relates to a device for carrying out the process. It is therefore possible for sulfur-containing gas (13) to be used for the production of liquid pig iron (1), or DRI, with a simultaneous increase in productivity, without damaging the environment or adversely affecting the quality of the liquid pig iron (1) or of the DRI.

No. of Pages : 31 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :04/07/2005

(43) Publication Date : 13/05/2016

| (51) International classification(31) Priority Document No(32) Priority Date | :H04B7/26 :08/725, 577 :03/10/1996 | (71)Name of Applicant : 1)ERICSSON INC Address of Applicant :7001 DEVELOPMENT DRIVE, P.O. |
|--|--|---|
| (33) Name of priority country | :U.S.A. | BOX 13969, RESEARCH TRIANGLE PARK, NORTH |
| (86) International Application No | :NA | CAROLINA 27709, U.S.A. U.S.A. |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | :NA | 1)PAUL W. DENT |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :2242/DEL/1997 | |
| Filed on | :25/09/1997 | |

(54) Title of the invention : "DUAL MODE PORTABLE TELEPHONE UNIT"

(57) Abstract :

A dual-mode TDMA portable unit (12), comprising: means for operating the portable telephone unit according to a first operation sequence within a repetitive TDMA frame period in response to selection of a first mode (20) of operation, the first operation sequence comprising selection of one of a plurality of timeslots within a TDMA frame period for reception and selection of another timeslot for transmission to enable communications within a first range while maintaining reception of the transmission timeslot at a base station (10) without overlapping other signals received by said base station; and means for operating the portable telephone unit according to a second operation sequence within a repetitive TDMA frame period in response to selection of a second mode (22) of operation , the second sequence comprising selection of one of a plurality of timeslots within a TDMA frame period for reception and selection and selection of another timeslot for transmission different than the transmission timeslot selected in said first mode of operation to enable communications within a second range while maintaining reception of the transmission timeslot at the base station without overlapping other signals received by the base station; the unit characterised by the second sequence enabling advancement of a transmission timeslot up to two timeslots from a nominal position of the transmission timeslot; and J7-- 1 means(36) for switching between the first and the second modes of operation.

No. of Pages : 11 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 13/05/2016

(51) International classification :H04L12/24 (71)Name of Applicant : (31) Priority Document No **1)SIEMENS CORPORATION** :61/527207 (32) Priority Date Address of Applicant :170 Wood Avenue South Iselin New :25/08/2011 (33) Name of priority country Jersev 08830 U.S.A. :U.S.A. (86) International Application No 2)SIEMENS INDUSTRY INC. :PCT/US2012/050755 (72)Name of Inventor : Filing Date :14/08/2012 (87) International Publication No :WO 2013/028407 1)PATEL Amar H. 2)APARICIO Juan (61) Patent of Addition to Application :NA Number 3)TAS Nazif :NA Filing Date 4)LOIACONO Michael T. (62) Divisional to Application Number :NA 5) ROSCA Justinian Filing Date :NA

(54) Title of the invention : NETWORK ELEMENT CONSOLIDATION FOR RAPID DISCRETE NETWORK SIMULATIONS

(57) Abstract :

Systems and methods are provided for modeling and simulating a communication network operating under at least one communication protocol which supports a Smart Grid electricity network. Communication performance data of the communication network are generated by a processor based on operating behavior of the Smart Grid with a plurality of assets under a first condition. Devices in the Smart grid are grouped in bins for rapid modeling. One or more different configurations of the communication network are entered into the processor and related performance data is also generated. Network configurations are compared based on the generated performance data which may include end to end delay and reception rate. Processor based systems to perform modeling methods are also provided.

No. of Pages : 90 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PERSONAL CARE COMPOSITION COMPRISING BUTYLATED HYDROXYANISOLE COMPOUND

(57) Abstract :

tert butyltert butyl 4A personal care composition which has an ethylenic monomer having a molecular weight of 500 g/mole or less and a compound selected from the group consisting of 2 4 hydroxy anisole 3 hydroxy anisole and mixtures thereof. The compound is present in the personal care composition in an amount of from about 1 milligram to about 1000 milligram per kilogram of the ethylenic monomer.

No. of Pages : 34 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SELECTIVE AND REVERSIBLE INHIBITORS OF UBIQUITIN SPECIFIC PROTEASE 7

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D401/06,C07D409/14,A61K31/517 :11306096.6 :02/09/2011 :EPO :PCT/EP2012/066741 :29/08/2012 :WO 2013/030218 to :NA :NA :NA :NA | (71)Name of Applicant : 1)HYBRIGENICS SA Address of Applicant :3/5 Impasse Reille F 75014 Paris France (72)Name of Inventor : 1)COLLAND Frédéric 2)GOURDEL Marie Edith |
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(57) Abstract :

The present invention relates to quinazolin 4 one compounds of formula (I) their process of preparation and uses thereof. These compounds are useful as selective and reversible inhibitors of ubiquitin specific proteases particularly USP7 for treating e.g. cancer neurodegenerative diseases inflammatory disorders and viral infections.

No. of Pages : 64 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :07/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : FIBER REINFORCED POLYPROPYLENE RESIN COMPOSITION AND MOLDED ARTICLE THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C08L53/00,C08J5/04,C08K7/02 :2011195794 :08/09/2011 :Japan :PCT/JP2012/072681 :06/09/2012 o:WO 2013/035764 :NA :NA :NA | (71)Name of Applicant : 1)Japan Polypropylene Corporation Address of Applicant :1 1 Marunouchi 1 chome Chiyoda ku Tokyo 1008251 Japan (72)Name of Inventor : 1)KONDO Kazumasa 2)MASUDA Kenji |
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(57) Abstract :

To provide a fiber reinforced polypropylene resin composition that is low contracting has good surface texture transferability scratch resistance and molded appearance produces a molded article surface that is smooth and soft and has high hardness high impact strength and high heat resistance; a method for producing the same; and a molded article thereof. [Solution] A fiber reinforced polypropylene resin composition comprises a propylene ethylene block copolymer that satisfies four conditions including being obtained by sequential polymerization using a metallocene catalyst; predetermined fibers; and when necessary a predetermined modified polyolefin a thermoplastic elastomer that satisfies two conditions such as MFR a predetermined polypropylene polymer resin and a predetermined fatty acid amide.

No. of Pages : 117 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :11/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PYRROLOPYRIMIDINE AND PURINE DERIVATIVES

| (51) Internationalclassification(31) Priority Document No | | (71)Name of Applicant :1)PFIZER INC.Address of Applicant :235 East 42nd Street New York New |
|---|-----------------------------------|---|
| (32) Priority Date | :22/09/2011 | York 10017 U.S.A. |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor :1)CHENG Hengmiao |
| (86) International Application No Filing Date | :PCT/IB2012/054702 :10/09/2012 | 2)JOHNSON JR. Theodore Otto 3)KATH John Charles 4)LIU Kevin Kun Chin |
| (87) International Publication No | :WO 2013/042006 | 5)LUNNEY Elizabeth Ann 6)NAGATA Asako |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 7)NAIR Sajiv Krishnan 8)PLANKEN Simon Paul 9)SUTTON Scott Channing |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to compounds of formula (I) or pharmaceutically acceptable salts thereof, wherein Q, T, V, W, X, Y, Z, ring A, R1, R2, R3, R4, R5, R5a, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17 and m are defined herein. There novel pyrrolopyrimidine and purine derivatives are useful in the treatment of abnormal cell growth, such as cancer, in mammals. Additional embodiments relate to pharmaceutical compositions containing the compounds and to methods of using the compounds and compositions in the treatment of abnormal cell growth in mammals.

No. of Pages : 282 No. of Claims : 23

(22) Date of filing of Application :08/12/2015

(21) Application No.11177/DELNP/2015 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : WATER ABSORBENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/JP2014/069354 :22/07/2014 :WO 2015/012273 :NA :NA | (71)Name of Applicant : UNICHARM CORPORATION Address of Applicant :182 Shimobun Kinsei cho Shikokuchuo shi Ehime 7990111 Japan (72)Name of Inventor : YAMAGUCHI Masashi UYAMA Hiroshi |
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(57) Abstract :

Provided is an absorbent that has excellent water retention capacity and gel strength and is environmentally friendly. A water absorbent comprising cross linked naturally derived polymers and biomass nanofibers characterized in that the cross linked naturally derived polymers and biomass nanofibers are present inside the particles. The water absorbent can be manufactured by dissolving the naturally derived polymers dispersing the biomass nanofibers in the resulting solution adding a cross linking agent to the liquid dispersion and cross linking the naturally derived polymers wet granulating the resulting hydrogel and dewatering and then drying the hydrogel.

No. of Pages : 37 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :08/12/2015

(54) Title of the invention : SHAVING AN ADAPTOR FOR A SHAVING CARTRIDGE

(43) Publication Date : 13/05/2016

(71)Name of Applicant : (51) International classification :B26B21/44 **1)BIC VIOLEX SA** (31) Priority Document No :NA Address of Applicant : Agiou Athanasiou GR 145 69 Anixi (32) Priority Date :NA Attiki Greece (33) Name of priority country :NA (72)Name of Inventor : (86) International Application No :PCT/EP2013/061459 1)ANTONIOU Zoi Filing Date :04/06/2013 2)BOZIKIS Ioannis (87) International Publication No :WO 2014/194934 **3)EFTHIMIADIS Dimitrios** (61) Patent of Addition to Application :NA **4)GEORGAKIS Georgios** Number :NA **5)GIANNOPOULOS Panagiotis** Filing Date 6)PETRATOU Maria (62) Divisional to Application Number :NA 7)PSIMADAS Ioannis Marios Filing Date :NA 8)ZAFIROPOULOS Panagiotis

(57) Abstract :

An adaptor for a shaving cartridge (14) a shaving assembly (18) and a razor (10) having such and adaptor (16) and a method of using such an adaptor. The adaptor is provided with at least one shaving aid (32). The adaptor can be slidably mountable on a shaving cartridge. The adaptor may be provided with at least one shaving aid (32) and be reversibly mountable on a shaving cartridge (14). The shaving aid can be reversibly mounted on the frame.

No. of Pages : 51 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : BRIDGED METALLOCENE COMPLEX FOR OLEFIN POLYMERIZATION

| classification (31) Priority Document No :1317 (32) Priority Date :01/0 (33) Name of priority country :EPC (86) International Application No :29/0 Filing Date :29/0 | 7F17/00,C07C211/48,C07F3/02 178970.3 08/2013 O T/EP2014/066265 07/2014 D 2015/014832 | (71)Name of Applicant : 1)SAUDI BASIC INDUSTRIES CORPORATION Address of Applicant :P.O. Box 5101 Riyadh 11422 Saudi Arabia 2)SABIC GLOBAL TECHNOLOGIES B.V. (72)Name of Inventor : 1)SANKARAN Nedumbamana 2)SHINGE Prashant Sukumar 3)SHETTY Sharankumar 4)CHANDRA Girish 5)AL SHAMMARI Haif 6)AL HUMYDI Abdulaziz Hamad 7)NESAKUMAR Edward Joseph |
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(57) Abstract :

The invention relates to a metallocene complex according to formula (1) M is a metal selected from lanthanides or transition metals from group 3 4 5 or 6 of the Periodic System of the Elements Q is an anionic ligand to M k is the number of Q groups and equals the valence of M minus 2 X is a cyclic bridging group that is bonded to a carbon atom of the cyclopentadienyl ligand and to nitrogen Z and Z are identical or different and can be chosen from hydrogen or a hydrocarbon radical with 1 20 carbon atoms; Z and Z are connected to form an indenyl or tetrahydroindenyl ring system and R is chosen from hydrogen or a hydrocarbon radical with 1 20 carbon radical with 1 20 carbon atoms. Also claimed are compositions comprising the metallocene complex a process for the preparation a process for the polymerization of olefin polymers in the presence of the metallocene complex. A more specific embodiment of the above Markush formula is formula (5).

No. of Pages : 31 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :26/07/2005

(43) Publication Date : 13/05/2016

(54) Title of the invention : "CMC PROCESS USING A WATER-BASED PREPREG SLURRY"

| (51) International classification(31) Priority Document No(32) Priority Date | :C04B 38/00 :10/915,327 :11/08/2004 | (71)Name of Applicant : 1)GENERAL ELECTRIC COMPANY Address of Applicant :ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. |
|--|--|---|
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MATSUMOTO ROGER LEE KEN |
| 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 process for forming a ceramic matrix composite component, for example, a turbine component, includes (a) applying a fiber coating to a fiber tow (10) by chemical vapor deposition; (b) pulling the fiber tow (10) through an aqueous slurry composed of high and low temperature binders, silicon carbide powder, carbon black and water to thereby form a prepreg tape; and (c) winding the prepreg tape on a drum (18).

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

(19) INDIA

(22) Date of filing of Application :09/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : LIGNIFICATION REDUCTION IN PLANTS (51) International classification :C12N9/88,A01H5/00,C12N15/82 (71)Name of Applicant : (31) Priority Document No :61/507484 1)THE REGENTS OF THE UNIVERSITY OF (32) Priority Date :13/07/2011 CALIFORNIA (33) Name of priority country Address of Applicant :1111 Franklin Street 12th Floor :U.S.A. Oakland California 94607 5200 U.S.A. (86) International Application :PCT/US2012/046764 (72)Name of Inventor : No :13/07/2012 **1)LOOUE Dominique** Filing Date (87) International Publication 2) EUDES Aymerick Guillaume :WO 2013/010124 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The present invention provides an expression cassette containing a polynucleotide coding sequence for a hydroxycinnamoyl CoA hydratase lyase (HCHL) which is operably linked to a heterologous promoter. Also provided are methods of engineering plants that have reduced lignification as well as cells plant parts and plant tissues from such engineered plants.

No. of Pages : 104 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :23/12/2015

(54) Title of the invention · LITTER BOX FOR ANIMALS

(43) Publication Date : 13/05/2016

| (54) The of the invention. LITTER DO. | A FOR ANIMALS | |
|--|---------------------|---|
| | | |
| (51) International classification | :A01K1/01,A01K23/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2013120265 | 1)UNICHARM CORPORATION |
| (32) Priority Date | :06/06/2013 | Address of Applicant :182 Shimobun Kinsei cho Shikokuchud |
| (33) Name of priority country | :Japan | shi Ehime 7990111 Japan |
| (86) International Application No | :PCT/JP2014/064015 | (72)Name of Inventor : |
| Filing Date | :27/05/2014 | 1)TAKAGI Chiyo |
| (87) International Publication No | :WO 2014/196417 | 2)KANEKO Shinya |
| (61) Patent of Addition to Application | . NT A | 3)HIRAO Tomoko |
| Number | :NA | 4)NAMIKAWA Nobuharu |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

Provided is a litter box for animals that is hygienic and easy to clean. A litter box (1) for animals is provided with a lower container (30), the upper part of which is open and which has a lower bottom surface part (31) and a lower side wall part (32) standing up from the peripheral edge of the lower bottom surface part (31) and an upper container (20), the upper part of which is open and which is disposed above the lower container (30). The upper container (20) is provided with a upper bottom surface part (21) in which a plurality of through holes (211) is formed an upper wall part (22) standing up from the peripheral edge of the upper bottom surface part (21), and an extending wall part (23) that extends downward from the outer surface of the upper wall part (22). The lower end part of the extending wall part (23) is disposed lower than the upper bottom surface part (21).

No. of Pages : 37 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :20/02/2014

(54) Title of the invention : COATED PLATED STEEL MATERIAL

(43) Publication Date : 13/05/2016

(51) International classification :C23C2/12,B32B15/08,C22C18/04 (71)Name of Applicant : **1)NIPPON STEEL & SUMITOMO METAL** (31) Priority Document No :2011182890 (32) Priority Date :24/08/2011 CORPORATION (33) Name of priority country Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku :Japan Tokyo 1008071 Japan (86) International Application :PCT/JP2012/071501 (72)Name of Inventor: No :24/08/2012 Filing Date 1)YUASA Kensei 2)SHIMODA Nobuyuki (87) International Publication :WO 2013/027837 No **3)MORIMOTO Yasuhide** (61) Patent of Addition to **4)SUEMUNE Yoshihiro** :NA Application Number 5)OOHASHI Tooru :NA Filing Date 6)INADA Kenji (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A painted plated-steel includes: a steel; and a coating material that is provided on a surface of the steel. The coating material includes, in an order from the steel, a plating layer, a coated base treatment layer that is formed on a surface of the plating layer, and an organic coating layer that is formed on a surface of the coated base treatment layer. The plating layer contains Al, Zn, Si, and Mg as constituent elements in which an A1 content is 25 mass% to 75 mass% and a Mg content is 0.1 mass% to 10 mass%. The plating layer contains 0.2 vol% to 15 vol% of a Si-Mg phase. A mass ratio of Mg in the Si-Mg phase to a total amount of Mg in the plating layer is 3% to 100%. The coated base treatment layer contains an organic resin and an organosilicon compound. The organosilicon compound accounts for 2 to 1500 parts by mass with respect to 100 parts by mass of the organic resin. A thickness of the organic coating layer is 0.2 to 100 $\hat{A}\mu m$.

No. of Pages : 161 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : HETEROCYCLIC COMPOUNDS AND USES THEREOF

| (51) International classification:C07D401/12,C07D487/04,C07D401/1(31) Priority Document No:61/528585(32) Priority Date (33) Name of priority country:29/08/2011(33) Name of priority country:U.S.A.(86) International Filing Date:PCT/US2012/047195 :18/07/2012(87) International Filing Date:WO 2013/032591(61) Patent of Addition to Filing Date:NA :NA :NA(62) Divisional to Filing Date:NA :NA | (71)Name of Applicant : (71)Name of Applicant : (1)INFINITY PHARMACEUTICALS INC. Address of Applicant :780 Memorial Drive Cambridge MA (02139 U.S.A. (72)Name of Inventor : (72)Name of Inventor : (73)Name of Inventor : (74)Name of Inventor : (74)Name of Inventor : (74)Name of Inventor : (74)Nam |
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(57) Abstract :

Compounds and pharmaceutical compositions that modulate kinase activity including PI3 kinase activity and compounds pharmaceutical compositions and methods of treatment of diseases and conditions associated with kinase activity including PI 3 kinase activity are described herein.

No. of Pages : 314 No. of Claims : 43

(19) INDIA

(22) Date of filing of Application :03/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : USE OF DIG3 INSECTICIDAL CRYSTAL PROTEIN IN COMBINATION WITH CRY1AB

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A01H5/00,C12N15/82 :61/515553 :05/08/2011 :U.S.A. :PCT/US2012/049491 :03/08/2012 :WO 2013/022743 :NA :NA :NA :NA | (71)Name of Applicant : 1)DOW AGROSCIENCES LLC Address of Applicant :9330 Zionsiville Road Indianapolis IN 46268 1054 U.S.A. (72)Name of Inventor : 1)BURTON Stephanie L. 2)MEADE Thomas 3)NARVA Kenneth 4)SHEETS Joel J. 5)STORER Nicholas P. 6)WOOSLEY Aaron T. |
|---|---|--|
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(57) Abstract :

The subject invention includes methods and plants for controlling European corn borer said plants comprising a CrylAb insecticidal protein and a DIG 3 insecticidal protein to delay or prevent development of resistance by the insect.

No. of Pages : 38 No. of Claims : 23

(22) Date of filing of Application :27/10/2004

(43) Publication Date : 13/05/2016

(54) Title of the invention : "INTERCONNECT SCHEME FOR IMPROVED ROUTABILITY USING INDIRECT ROUTING"

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | 7/38 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)STMICROELECTRONICS PVT.LTD Address of Applicant :PLOT NO. 2,3 & 18, SECTOR 16A, INSTITUTIONAL AREA, NOIDA-201 3001, U.P.INDIA Uttar Pradesh India (72)Name of Inventor : 1)NITIN DESHMUKH 2)KAILASH DIGARI |
|---|---|---|
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An interconnect structure enabling indirect routing in programmable logic comprising plurality of routing lines; and switch box(s) and connection boxes coupled to said plurality of routing lines, characterized in that said connection boxes include at least one programmable switch in each routing track; the position of said programmable switch (s) in each connection box connected to same interconnect matrix differs from the position of said programmable switch (s) in corresponding routing tracks of other connection boxes thereby utilizing the connectivity of said switch box for input connections and increasing the flexibility of connections.

No. of Pages : 29 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPRAY NOZZLE FOR ELECTROSTATIC SPRAYING OF A COATING PRODUCT AND FACILITY FOR SPRAYING A COATING PRODUCT INCLUDING SUCH A SPRAY NOZZLE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Eiling Date | :13 56727 :09/07/2013 :France :PCT/EP2014/064554 :08/07/2014 :WO 2015/004111 :NA :NA :NA | (71)Name of Applicant : 1)SAMES TECHNOLOGIES Address of Applicant :13 Chemin de Malacher F 38240 Meylan France (72)Name of Inventor : 1)BALLU Patrick 2)DI GIOIA Michel 3)GOISOT Gilles 4)PROVENAZ Philippe |
|---|--|---|
| Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a spray nozzle for electrostatic spraying of a coating product which includes a needle (3) which forms a mobile shutter of a valve (63) for controlling the spraying of the coating product and which is positioned in a recess (4) of a barrel of the spray nozzle. The recess (4) defines a surface (S4) for guiding the axial translation of the needle (3) along a Iongitudinal axis (Y4) of the recess (4). The needle includes a front end (3a) having a shape suitable for abutting against a seat (33) in order to obstruct a duct (2) for the flow of the coating product, a rear portion (3c) which interacts with means for controlling the translation of the needle (3) and a central portion (3b) comprised between the front end (3a) and the rear portion (3c), while a high-voltage unit included in the spray nozzle (1) is capable of applying a high-voltage to the front end (3a) of the needle (3). At least one first raised portion (8) is provided on the central portion (3b) of the needle, inside the recess (4), which is capable of increasing the electric creepage distance along the central portion (3b).

No. of Pages : 18 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ELECTRONIC APPARATUS ELECTRONIC APPARATUS CONTROL METHOD AND CONTROL PROGRAM

| (51) International classification:H04N5/341,H04N5/335,H04N5/374(31) Priority Document No (32) Priority Date:NA(33) Name of priority country:NA(33) Name of priority country:NA(86) International Application No Filing Date:PCT/JP2013/068381 :04/07/2013(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2015/001646(62) Divisional to Application Number Filing Date:NA :NA(62) Divisional to Filing Date:NA :NA | (71)Name of Applicant : 1)NIKON CORPORATION Address of Applicant :12 1 Yurakucho 1 chome Chiyoda ku Tokyo 1008331 Japan (72)Name of Inventor : 1)SHIONOYA Takashi 2)KANBARA Toshiyuki 3)SEKIGUCHI Masakazu |
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(57) Abstract :

[Problem] To generate a plurality of kinds of images with respect to a same subject. [Solution] The present invention is provided with: a drive control unit (72) that drive-controls an image pickup element (100); a dividing unit(71) that divides an image pickup region (113A) of the image pickup element (100) into at least a first region and a second region; and an image generating unit (1) that generates, with respect to a same subject, a first image obtained by means of image pickup in the first region, and a second image obtained by means of image pickup in the second region.

No. of Pages : 95 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : CARTON A | ND CARTON BLANK | |
|---|-----------------|---|
| (54) Title of the invention : CARTON A (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)WESTROCK PACKAGING SYSTEMS LLC Address of Applicant :501 South 5th Street Richmond VA 23219 0501 U.S.A. (72)Name of Inventor : 1)BALL Nathaniel B. 2)RAMSUER Brandon L. |

(57) Abstract :

A carton (90) for packaging articles comprising a first plurality of walls (12, 14, 16, 18, 20) including a top wall (20), base wall (16), first side wall (14) and second side wall (18) forming a first tubular structure, each end of the first tubular structure being at least partially closed by one or more end closure panels (32a, 34a, 36a, 38a, 32b, 34b, 36b, 38b), wherein the carton comprises an end pull device (E) for withdrawing the carton from a display apparatus wherein the end pull device comprises a first recess struck from an end of the first side wall panel whereby facilitating access to an edge of the one or more end closure panels at the adjacent end of the first tubular structure.

No. of Pages : 33 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :18/03/2015

(21) Application No.2187/DELNP/2015 A

(43) Publication Date : 13/05/2016

| (54) Title of the invention : CAMERA S | ND DEVICE | |
|--|-------------------|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | | ND DEVICE (71)Name of Applicant : 1)XIAOMI INC. Address of Applicant :Floor 13 Rainbow City Shopping Mall? of China Resources No. 68 Qinghe Middle Street Haidian District Beijing 100085 China (72)Name of Inventor : 1)SHI Xinming 2)DI Hao 3)ZHANG Peng |
| (62) Divisional to Application Number | :NA :NA | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA :NA | 2)DI Hao |

(57) Abstract :

The present invention relates to the technical field of electronics. Disclosed are a camera switching method and device the method comprising: acquiring a start operation instruction of a first camera (101); monitoring an operation instruction obtained by a terminal screen of a terminal (102); when monitoring that the terminal screen has acquired a touch operation determining whether the touch operation matches a set touch operation (103); and when the touch operation matches the set touch operation switching from starting the first camera to starting a second camera (104). The device comprises an acquisition module (301) a monitoring module (302) a first determination module (303) and a switching module (304). When a user wants to switch a camera the user conducts on the terminal screen the touch operation matching the set touch operation so as to trigger the terminal to switch the camera and when monitoring that the terminal screen has acquired the touch operation matching the set touch operation the terminal switches from starting the first camera to starting the second camera; thus the operation process is simple and switching efficiency is improved.

No. of Pages : 23 No. of Claims : 15

(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G02F1/025 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :1313592.6 | 1)UNIVERSITY COURT OF THE UNIVERSITY OF ST |
| (32) Priority Date | :30/07/2013 | ANDREWS |
| (33) Name of priority country | :U.K. | Address of Applicant : College Gate North Street St Andrews |
| (86) International Application No | :PCT/GB2014/051844 | ··· · |
| Filing Date | :16/06/2014 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2015/015148 | 1)WHELAN CURTIN William |
| (61) Patent of Addition to Application | :NA | 2)DEBNATH Kapil |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(54) Title of the invention : OPTICAL MODULATOR WITH PLASMON BASED COUPLING

(57) Abstract :

A device comprising a metal layer on a crystalline silicon substrate, and a waveguide that has a refractive index greater than that of the crystalline silicon, wherein the waveguide is arranged to couple light to a surface plasmon mode at an interface between the silicon substrate and the metal layer when a waveguide mode is phase matched to the surface plasmon mode.

No. of Pages : 17 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G06K9/54 :61/841955 :02/07/2013 :U.S.A. :PCT/US2014/044675 :27/06/2014 :WO 2015/002846 :NA :NA :NA :NA | (71)Name of Applicant : 1)SURGICAL INFORMATION SCIENCES INC. Address of Applicant :c/o Coral Ventures 60 South Sixth Street Minneapolis Minnesota 55403 U.S.A. (72)Name of Inventor : 1)SAPIRO Guillermo 2)HAREL Noam 3)DUCHIN Yuval 4)KIM Jinyoung |
|---|---|---|
|---|---|---|

(57) Abstract :

A volumetric segmentation method is disclosed for brain region analysis, in particular but not limited to, regions of the basal ganglia such as the subthalamic nucleus (STN). This serves for visualization and localization within the sub-cortical region of the basal ganglia, as an ex ample of prediction of a region of interest for deep brain stimulation procedures. A statistical shape model is applied for variation modes of the STN, or the corresponding regions of interest, and its predictors on highquality training sets obtained from high-field, e.g., 7T, MR imaging. The partial least squares regression (PLSR) method is applied to induce the spatial relationship between the region to be predicted, e.g., STN, and its predictors. The prediction accuracy for validating the invention is evaluated by measuring the shape similarity and the errors in position, size, and orientation between manually segmented STN and its predicted one.

No. of Pages : 80 No. of Claims : 71

(19) INDIA

(22) Date of filing of Application :24/12/2015

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B26B21/40 :13175865.8 :10/07/2013 :EPO :PCT/US2014/044836 :30/06/2014 :WO 2015/006079 :NA :NA :NA :NA | (71)Name of Applicant : 1)THE GILLETTE COMPANY Address of Applicant :World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston MA 02127 U.S.A. (72)Name of Inventor : 1)WARRICK Paul Leslie |
|---|--|--|

(57) Abstract :

A razor cartridge has a housing having a front and a rear. At least two adjacent blades are provided, each pair having a leading blade and a trailing blade. Each of the leading and trailing blades having a cutting edge directed towards a front of the housing, the cutting edge of the leading blade being positioned between the cutting edge of the trailing blade and the front of the housing. A span (\hat{A} ss) of less than 1.0mm is provided between the cutting edges of at least one adjacent pair of trailing and leading blades and an inter- blade gap (\hat{A} ss) is provided between said pair of adjacent leading and trailing blades measured at the shortest distance between the adjacent leading and trailing blades wherein the gap (\hat{A} sg) is less than or equal to the span and greater than 0.15mm.

No. of Pages : 19 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :22/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CYCLOSPORIN DERIVATIVES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (27) Leteentieved Dublication | :C07K7/64,A61K38/13,A61P31/12 :10 2011 111 991.8 :30/08/2011 :Germany :PCT/EP2012/066726 :29/08/2012 | (71)Name of Applicant : MAX PLANCK GESELLSCHAFT ZUR FÃ-RDERUNG DER WISSENSCHAFTEN E.V. Address of Applicant :Hofgartenstraße 8 80539 München Germany 2)LEAD DISCOVERY CENTER GMBH (72)Name of Inventor : 1)FISCHER Gunter |
|--|---|--|
| (87) International Publication No | :WO 2013/030208 | 2)MALESEVIC Miroslav 3)ERDMANN Frank |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 4)KÜHLING Jan 5)BUKRINSKY Michael 6)CONSTANT Stephanie |
| (62) Divisional to Application Number Filing Date | :NA :NA | 7)RÜHTER Gerd 8)NUSSBAUMER Peter 9)DINKEL Klaus |

(57) Abstract :

The present invention relates to novel cyclosporin derivatives that do not cross the cellular membrane. The compounds according to the invention are used in medicine more particularly in the treatment/diagnosis of acute and chronic inflammatory diseases viral infections cancer degenerative muscle diseases neurodegenerative diseases and damage that is associated with calcium homeostasis impairment. The novel cyclosporin derivatives additionally have no immunosuppressive effect.

No. of Pages : 161 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :27/03/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : CONNECTO | DR | |
|---|----|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)D B INDUSTRIES LLC Address of Applicant :3833 Sala Way Red Wing MN 55066 U.S.A. (72)Name of Inventor : 1)CASEBOLT Scott C. |

(57) Abstract :

A connector comprises a base a gate and a locking mechanism. The base forms an opening. The gate is slidably operatively connected to the base and spans the opening. The locking member has an engaging position and a releasing position. The engaging position secures the gate to the base and the releasing position allows the gate to be moved relative to the base.

No. of Pages : 36 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :28/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DOCETAXEL POLYMERIC NANOPARTICLES FOR CANCER TREATMENT

| (51) International | :A61K9/14,A61K31/337,A61P35/00 | (71)Name of Applicant : |
|--------------------------------|--------------------------------|--|
| classification | . (1/240050 | 1)BIND THERAPEUTICS INC. |
| (31) Priority Document No | :61/840950 | Address of Applicant :325 Vassar Street Cambridge MA |
| (32) Priority Date | :28/06/2013 | 02139 U.S.A. |
| (33) Name of priority country | y:U.S.A. | (72)Name of Inventor : |
| (86) International | :PCT/US2014/044617 | 1)WRIGHT James |
| Application No | | |
| Filing Date | :27/06/2014 | |
| (87) International Publication | ¹ :WO 2014/210485 | |
| 110 | | |
| (61) Patent of Addition to | :NA | |
| Application Number | :NA | |
| Filing Date | INA | |
| (62) Divisional to | NT A | |
| Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present disclosure generally relates to suspensions and compositions of polymeric nanoparticles that include docetaxel as well as methods of treating various cancers including refractory or drug resistant cancers in patients in need thereof using disclosed compositions.

No. of Pages : 51 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :26/07/2005

(43) Publication Date : 13/05/2016

| (51) International classification | :C08F10/00 | (71)Name of Applicant : |
|---|---------------|---|
| (31) Priority Document No | :9700971 | 1)BP CHEMICALS LIMITED |
| (32) Priority Date | :24/01/1997 | Address of Applicant :BRITANNIC HOUSE, 1 FINSBURY |
| (33) Name of priority country | :France | CIRCUS, LONDON, ECM2M 7BA, ENGLAND U.K. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)DURAND, DANIEL |
| (87) International Publication No | :NA | 2)MORTEROL |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :171/DEL/1998 | |
| Filed on | :21/01/1998 | |

(54) Title of the invention : "GAS PHASE POLYMERIZATION PROCESS"

(57) Abstract :

Process for gas phase polymerization of one or more monomers of the kind such as herein described in a fluidized-bed reactor consisting of a first volume which is a cylinder with a vertical axis of height H, above which is mounted a second volume, commonly called a disengagement vessel, adjoining the first volume, the enclosure (wall) of which also consists of at least one surface of revolution generated by the rotation, about the same vertical axis known as axis of revolution, of a rectilinear and/or curved segment, which process is performed at a pressure higher than atmospheric pressure and comprises passing a reaction gas mixture containing the polymer as a rising stream through a fluidization grid and into the fluidized bed to maintain the bed in a fluidised state, draining polymer from the reactor in order to keep the bed at more or less constant volume, and withdrawing reaction gas mixture from the top of the fluidised bed reactor and recycling to under the fluidization grid by means of an external circulation circuit conduit provided with a compressor, characterized in that the height of the fluidized bed (h) is greater than 1.05 xH.

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

(19) INDIA

(22) Date of filing of Application :26/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CONTROL DEVICE OF INTERNAL COMBUSTION ENGINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor : 1)NAKADA Hayato |
|---|------------|---|
| (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 relates to a control device of an internal combustion engine (10) comprising a control objective (60V 52) for controlling a control amount (Pim Regr). This control device can selectively execute independent control which is control for controlling a control amount to a target value thereof (Pimt Regrt) regardless of changes in the control amount that act as turbulence in the control of the control amount and composite control which is control for controlling the control amount. When the absolute value thereof with regard for changes in the control amount that act as turbulence in the control amount rate of change (Rpim Rregr) is equal to or less than a predetermined value (Rpimth Rregrth) the control amount is controlled to the target value thereof by the independent control and when the absolute value of the control amount rate of change is greater than the predetermine value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control amount is controlled to the target value the control.

No. of Pages : 109 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :31/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :C12N15/82,C12N5/04,C12N5/14 :61/554525 :02/11/2011 :U.S.A. :PCT/IB2012/055987 :30/10/2012 :WO 2013/064964 | (71)Name of Applicant : 1)BASF SE Address of Applicant :67056 Ludwigshafen Germany (72)Name of Inventor : 1)Hutzler Johannes 2)Tresch Stefan 3)Mietzner Thomas 4)Witschel Matthias 5)Lerchl Jens |
|--|--|--|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 6)Aponte Raphael 7)Parra Rapado Liliana 8)Paulik Jill Marie |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method for controlling undesired vegetation at a plant cultivation site is provided which comprises the steps of providing at said site a plant comprising at least a nucleotide sequence encoding a wild type hydroxyphenyl pyruvate dioxygenase or a mutated hydroxyphenyl pyruvate dioxygenase (mut HPPD) which is resistant or tolerant to a coumarone derivative herbicide and /or a nucleotide sequence encoding a wild type homogentisate solanesyl transferase or a mutated homogentisate solanesyl transferase (mut HST) which is resistant or tolerant to a coumarone derivative herbicide and applying to said site an effective amount of said herbicide. Plants comprising mut HPPD and methods of obtaining such plants are also provided.

No. of Pages : 86 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : LUBRICATING COMPOSITIONS CONTAINING ISOPRENE BASED COMPONENTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :131/4256.1 :28/06/2013 :EPO :PCT/EP2014/063760 :27/06/2014 :WO 2014/207235 | (71)Name of Applicant : 1)CASTROL LIMITED Address of Applicant :Technology Centre Whitchurch Hill Pangbourne Reading RG8 7QR U.K. (72)Name of Inventor : 1)CARRERA Martin E. 2)DAVIES John Philip 3)GAEMERS Sander 4)SHABAKER John William 5)WILLIAMS Oliver |
|---|--|---|
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(57) Abstract :

A lubricating composition comprising a base oil of lubricating viscosity and one or more lubricant additives wherein the base oil comprises or consists of a base stock which comprises or consists of at least one isoprenoid compound comprising: (i) one or two oxygen containing moieties independently selected from ether and ester moieties; (ii) a first acyclic isoprenoid moiety containing 1 to 5 isoprenyl units; and (iii) optionally a second acyclic isoprenoid moiety containing 1 to 5 isoprenyl units with the proviso that at least one isoprenoid moiety contains 3 to 5 isoprenyl units where the isoprenoid compound contains a single ether moiety.

No. of Pages : 51 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :08/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SEMI LIVE RESPIRATORY SYNCYTIAL VIRUS VACCINE

(57) Abstract :

The present invention relates to a semi live respiratory syncytial virus (RSV) vaccine which comprises a genome replication deficient Sendai virus (SeV) vector expressing a chimeric RSV/SeV F protein. Furthermore the present invention relates to a method for the production of the genome replication deficient SeV vector of the present invention and the use thereof in the treatment of RSV infections and RSV infection related diseases.

No. of Pages : 58 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MEDICAMENT THAT IS INTENDED FOR ORAL ADMINISTRATION, COMPRISING A CYCLOOXYGENASF-2 INHIBITOR, AND PREPARATION METHOD THEREOF

| (51) International classification | :A61K31/4164, A61K9/16 | (71)Name of Applicant : 1)VETOQUINOL |
|--|---------------------------|--|
| (31) Priority Document No | :0500708 | Address of Applicant :Magny Vernois B.P. 189, 70204 Lure |
| (32) Priority Date | :24/01/2005 | Cedex, France France |
| (33) Name of priority country | :France | (72)Name of Inventor : |
| (86) International Application No | :PCT/FR2006/000144 | 1)MOREAU, Marinette |
| Filing Date | :23/01/2006 | 2)OSTY, Nicolas |
| (87) International Publication No | :WO/2006/077334 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .11/A | |
| (62) Divisional to Application Number | :5609/DELNP/2007 | |
| Filed on | :19/07/2007 | |

(57) Abstract :

The invention relates to a medicament which is intended for oral administration, which comprises a cyclooxygenase-2 inhibitor and which has improved bioavailability, and to a method of preparing said medicament. The inventive medicament comprises an agglomerate based on inert solid particles based on at least one excipient, said agglomerate comprising a cyclooxygenase-2 inhibitor and at least one hydrophilic polymer. According to the invention, the agglomerate comprises a spray which is applied to the aforementioned particles, consisting of a solution or suspension of micronized grains of the inhibitor in said polymer(s), in order to agglomerate said particles. The inventive method essentially comprises the following steps, namely: (i) the preparation of a sprayable liquid that is based on the micronized grains of said inhibitor in solution or in suspension in at least one hydrophilic polymer; and (ii) the spraying of the liquid onto the solid particles, in order to obtain the agglomerate by means of wet granulation, said agglomerate comprising the grain solution or suspension spray.

No. of Pages : 27 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :18/08/2005

(43) Publication Date : 13/05/2016

(54) Title of the invention : "GEAR TRAIN FOR ALUMINIUM & COPPER ROD"

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | 021/00 :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)SANJAY CHAWLA Address of Applicant :M-5, F.F. JANGPURA EXTN. NEW DELHI, INDIA. Delhi India (72)Name of Inventor : 1)SANJAY CHAWLA |
|---|---|--|
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA :NA | |

(57) Abstract :

This machine is useful in re-cycling aluminium and copper scrap to a rod form, which is used to manufacture wires and cables. The rolling process has been designed keeping in mind the breakdown problem, which the industry had been facing since years. This helps in increasing the production in a given time frame, thereby bring down the cost of production and the end product.

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

(19) INDIA

(22) Date of filing of Application :10/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PRODUCTION AND USE OF BACTERIAL HISTAMINE

| classification:G01N35/369,A23L1/30,A61K35/74(31) Priority Document No:61/572742(32) Priority Date:21/07/2011 | (71)Name of Applicant : BIOGAIA AB Address of Applicant :Kungsbroplan 3A P.O. Box 3242 S 103 64 Stockholm Sweden (72)Name of Inventor : VERSALOVIC James THOMAS Carissa Michelle CONNOLLY Eamonn |
|--|---|
|--|---|

(57) Abstract :

A method is provided of selecting specific probiotic lactic acid bacteria producing histamine and the use of such strains for beneficial effects for mammals. In particular the present invention relates to a method of selecting a lactic acid bacterial strain for use in the local production of histamine in a mammal wherein said method comprises screening bacteria for the presence of an active histidine operon and selecting a strain which has an active histidine operon and is capable of producing histamine. Preferably said strain is selected for its ability to produce histamine at a level of greater than 250 pg/ml. The present invention further provides products comprising the strains obtainable by the selection methods of the invention for use in the local production of histamine in a mammal in particular for use in the treatment or prophylaxis of inflammatory conditions.

No. of Pages : 41 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :21/10/2004

(43) Publication Date : 13/05/2016

| (54) Title of the invention : "WATER SMOKE SCRU | JBBER" | |
|--|--------|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | | (71)Name of Applicant : 1)AKHIL BHARTIYA PANDIT DINDAYAL UPADHYAYA PRADUSHAN MUKT LOK KALYAN SEVA SANSTHAN Address of Applicant :F-137 TRANSPORT NAGAR KANPUR ROAD, LUCKNOW Uttar Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | :NA | 1)MR SANTOSH KUMAR SHUKLA |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This scrubber is used for motor vehicles, which can be explained as housing whole assembly (1) designed as hemispherical shape. An inlet pipe (2) is used for respiring the exhaust smoke gases coming from the engine, which are to be filtered, and pipe (2) is attached to section 1. Exhaust smoke gases coming from engine through (2) have very high pressure. For reducing the pressure, these exhaust smoke gases go to chamber (3), where a perforated pipe is used for reducing the pressure. Pipe (2) is connected to chamber (3) with the help of perforated plate (4). After reducing the pressure of exhaust smoke gases, these smoke gases move to chamber (5) and come out from the perforate pipe. Exhaust smoke gases after filtration move to chamber (6) and then to chamber (7) through perforated pipe. Then exhaust smoke gases, which are to be filtered, move to chamber (8). A perforate plate acts as a filter for the exhaust smoke gases and the heavy particles which are carried by the exhaust smoke gases goes to chamber (5) and (6). Chamber (5) and (6) contain water and the water level and over flow in the chamber (5) and (6) is controlled by the locking means (10). A valve (11) is attached to the whole assembly of scrubber and is used for clearing the scrubber where carbon particles and waste water is removed by this valve. The smoke gases that get collected at chamber (7) move to chamber (13) through copper wire mesh (12). In chamber (13), a perforated plate is attached for reducing the noise level. After reducing the noise of the smoke gases it goes to chamber (14) where the noise as well as sound of the gas are reduced to very low level. When the smoke gases are reduced to very low level of noise, sound and free from the pollutants goes to the atmosphere with the help of pipe (15). Copper mesh wire is attached with the scrubber in the assembly with the help of flange (16). In the flange assembly (16), there are 6 nuts with bolts (17) are used for securing the copper wire mesh. These bolts are used for connecting the upper part (13), (14) with the lower part. Clamps (18),(19) and (20) are used for clamping the scrubber assembly with the chassis of the vehicle.

No. of Pages : 6 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :22/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEMS AND METHODS FOR MULTI ANALYSIS

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | | 1)THERANÔS INC. Address of Applicant :1701 PAGE MILL ROAD, PALO ALTO, CALIFORNIA 94304, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor : 1)HOLMES Elizabeth |
|--|-----------------|--|
| (87) International Publication No | :WO 2013/052318 | 2)BALWANI Sunny 3)ROY Joy |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 4)FRANKOVICH John Kent 5)FRENZEL Gary |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Systems and methods are provided for sample processing. A device may be provided capable of receiving the sample and performing one or more of a sample preparation sample assay and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation sample assay and detection step. The device may be capable of performing multiple assays and detection step. The device may be capable of performing multiple assay and detection step. The device may be capable of performing the steps using a small volume of sample.

No. of Pages : 571 No. of Claims : 142

(19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :F25J3/04 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/184985 | 1)PRAXAIR TECHNOLOGY INC. |
| (32) Priority Date | :18/07/2011 | Address of Applicant :39 Old Ridgebury Road Danbury CT |
| (33) Name of priority country | :U.S.A. | 06810 U.S.A. |
| (86) International Application No | :PCT/US2012/044826 | (72)Name of Inventor : |
| Filing Date | :29/06/2012 | 1)HOWARD Henry Edward |
| (87) International Publication No | :WO 2013/012540 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .11/A | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : AIR SEPARATION METHOD AND APPARATUS

(57) Abstract :

A method and apparatus for separating air in which the recovery rate of an oxygen product is increased by increasing the liquid to vapor ratio in a lower pressure column connected to a higher pressure column in a heat transfer relationship. A crude liquid oxygen column bottoms stream produced in the higher pressure column is partially vaporized against condensing argon enriched vapor of the lower pressure column which is fed back to an argon stripping section of the lower pressure column. A supplemental nitrogen rich reflux stream and an oxygen enriched stream having a greater oxygen content than the crude liquid oxygen stream are fed into the lower pressure column. These streams are formed from a two phase stream produced at least in part from the crude liquid oxygen stream after the partial vaporization thereof.

No. of Pages : 34 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :09/03/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ACTIVE MATERIAL FOR BATTERIES NON AQUEOUS ELECTROLYTE BATTERY AND **BATTERY PACK**

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H01M4/505,H01M4/485,H01M4/525) :NA :NA :NA :PCT/JP2014/057255 :18/03/2014 :WO 2015/140915 :NA :NA :NA | (71)Name of Applicant : 1)KABUSHIKI KAISHA TOSHIBA Address of Applicant :1 1 Shibaura 1 chome Minato ku Tokyo 1058001 Japan (72)Name of Inventor : 1)HARADA Yasuhiro 2)TAKAMI Norio 3)YOSHIDA Yorikazu 4)ISE Kazuki 5)YOSHIMA Kazuomi |
|--|--|--|
|--|--|--|

(57) Abstract :

A active material for a battery according to one embodiment contains a composite oxide 5 e represented by a following general: the general formula Lix(Nb1-yTay)2+0.5zTi1- zM0.5zO7 ($0 \le x \le 5$, $0 \le y \le 1$, and $0 < z \le 1$). In this formula, M is at least one metal element selected from the group consisting of Sc, Y, V, Cr, Fe, Co, Mn, Al, and Ga.

No. of Pages : 71 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :19/03/2014

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :61/546660 :13/10/2011 :U.S.A. :PCT/US2012/058915 :05/10/2012 :WO 2013/055584 :NA :NA | (71)Name of Applicant : 1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant :1007 Market Street Wilmington Delaware 19899 U.S.A. (72)Name of Inventor : 1)BERGER Richard A. 2)HOFFMANN Christian 3)MARSHALL William J. 4)SHAPIRO Rafael |
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(54) Title of the invention : SOLID FORMS OF NEMATOCIDAL SULFONAMIDES

(57) Abstract :

Disclosed are solid forms of 8-chloro-N-[(2-chloro-5-methoxyphenyl)sulfonyl]-6-(trifluoromethyl)-imidazo[1,2- α]pyridine-2carboxamide (Compound 1). Methods for the preparation of solid forms of Compound 1 and for the conversion of one solid form of Compound 1 into another are disclosed. Disclosed are nematocidal compositions comprising a nematocidally effective amount of a solid form of Compound 1 and at least one additional component selected from the group consisting of surfactants, solid diluents and liquid carriers. Compositions comprising a mixture of a solid form of Compound 1 and at least one other nematicide, insecticide and/or fungicide are also disclosed. Also disclosed are methods for protecting a plant from nematodes comprising applying to the plant, or portion, or seed thereof, or to the growing medium of the plant, a nematocidally effective amount of Compound 1 comprising the polymorph Form A.

No. of Pages : 90 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : 2,3-DIHYDROIMIDAZO[1,2-C] PYRIMIDIN-5(1H)-ONE COMPOUNDS USE AS LP-PLA 2 INHIBITORS

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D487/04,A61K31/519,A61P9/10 :PCT/CN2011/077697 :27/07/2011 :China :PCT/CN2012/000999 :25/07/2012 :WO 2013/013503 :NA :NA :NA :NA | (71)Name of Applicant : GRAXO GROUP LIMITED Address of Applicant :980 Great West Road Brentford Middlesex TW8 9GS U.K. (72)Name of Inventor : WAN Zehong LONG Kai SANG Yingxia SU Xiaobo |
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(57) Abstract :

Disclosed are 2 3 dihydroimidazo[1 2 c]pyrimidin 5(1H) one compounds that inhibit Lp PLA processes for their

preparation compositions containing them and their use in the treatment of diseases associated with the activity of Lp PLA for example atherosclerosis Alzheimer s disease.

No. of Pages : 166 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :10/01/2014

(43) Publication Date : 13/05/2016

(51) International classification :A61M27/00 (71)Name of Applicant : (31) Priority Document No 1)TWIN STAR MEDICAL INC. :61/500005 (32) Priority Date Address of Applicant :700 Tenth Avenue South Suite 120 :22/06/2011 (33) Name of priority country Minneapolis MN 55415 U.S.A. :U.S.A. (86) International Application No :PCT/US2012/043353 (72)Name of Inventor : 1)ODLAND Rick M. Filing Date :20/06/2012 (87) International Publication No :WO 2012/177765 2)WILSON Scott R. (61) Patent of Addition to Application **3)STAEHLE Bradford G.** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : SYSTEM AND METHOD FOR TREATING COMPARTMENT SYNDROME

(57) Abstract :

A system for use in treating a tissue site e.g. a site exhibiting or at risk for developing compartment syndrome the system including a monitor for use in controlling the function and operation of one or more apparatuses providing insertable catheters. The system includes at least one apparatus having a catheter portion that includes both a suitably protected functional device tip adapted to be positioned and used within the tissue site and one or more hollow fiber membranes e.g. an array of such membranes adapted to be positioned within the tissue site in order to simultaneously collect fluid therefrom. The catheter portion is adapted to be safely inserted and positioned within the tissue site in a manner that permits it to function there while substantially minimizing direct impingement of the non fluid tissue on the functional device tip surface.

No. of Pages : 43 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : INJECTION MOULDING PLASTIC COMPONENTS WITH A SLIT

| (51) International classification | :B29C45/00,B65D47/20,B65D47/08 | (71)Name of Applicant : 1)CARBONITE CORPORATION |
|---|--------------------------------|--|
| (31) Priority Document No | :1113097.8 | Address of Applicant :El Dorado Building 2nd Floor 52nd & |
| (32) Priority Date | :28/07/2011 | Elvira Mendez Streets P.O. Box 1358 WTC Panama City Panama |
| (33) Name of priority country | v:U.K. | (72)Name of Inventor : |
| (86) International Application No Filing Date (87) International Publication | :25/07/2012 | 1)SMITH Matthew Eric |
| No | :WO 2013/014412 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method of injection moulding a plastics component with a slit includes providing a first mould member (26) affording a mould cavity which is defined by an internal surface and a second mould member (28) with an external surface whose shape is substantially complementary to the shape of the mould cavity. One of the internal surface and the external surface carries an elongate formation which defines an elongate apex (38; 58). The second mould member (28) is advanced into the mould cavity such that the apex (38; 58) is spaced from the opposed one of the internal surface and the external surface by a predetermined distance and the internal and external surfaces together define a mould space. Molten polymeric material is then injected into the mould space to substantially fill it. The predetermined distance is so dimensioned that the polymeric material does not completely fill the space between the apex and the opposed surface whereby the slit is formed.

No. of Pages : 33 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :03/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SOLENOID ACTUATOR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | ¹ :PCT/GB2012/051361 :14/06/2012 :WO 2012/172351 :NA :NA | (71)Name of Applicant : SENTEC LTD Address of Applicant :5 The Westbrook Centre Milton Road Cambridge Cambridgeshire CB4 1YG U.K. (72)Name of Inventor : DAMES Andrew EVETT James STORKEY Matthew |
|--|---|--|
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(57) Abstract :

A solenoid actuator is described. The solenoid actuator comprises an armature pole piece(s) electromagnet coil(s) arranged in response to energisation to cause travel of the armature between first and second positions along a direction of travel permanent magnet(s) positioned and orientated for latching the armature in at least the first position when the armature is in the first position and spring(s) arranged to bias the armature. The solenoid actuator can be operated to provide partial lift.

No. of Pages: 83 No. of Claims: 87

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ION EXCHANGEABLE GLASS WITH HIGH COMPRESSIVE STRESS

(57) Abstract :

An aluminosilicate glass article having a high compressive stress layer. The glass article comprises at least about 50 mol% SiO2 and at least about 11 I mol% Na20, and has a layer under a compressive stress of at least about 900 MPa and the depth of layer that extends at least about 30 µµ from the surface of the glass article into the glass. A method of making such a glass article is also provided. The glass comprises preferably at least 50 mol% SiO2, 7-26 mol% AI203, 0-9 mol% B203, 11-25 mol% Na20, 0-2.5 mol% K20, 0-8.5 mol% MgO, and 0-1.5 mol% CaO.

No. of Pages : 34 No. of Claims : 41

(21) Application No.11104/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FC VARIANTS WITH REDUCED EFFECTOR FUNCTIONS

| (51) International classification (31) Priority Document No | :C07K16/00,C07K16/28 :11305811.9 | (71)Name of Applicant : 1)LABORATOIRE FRANÇAIS DU FRACTIONNEMENT |
|--|-------------------------------------|---|
| (32) Priority Date | :24/06/2011 | ET DES BIOTECHNOLOGIES |
| (33) Name of priority country | :EPO | Address of Applicant :ZA de Courtaboeuf 3 Avenue des |
| (86) International Application No | :PCT/EP2012/062273 | Tropiques F 91940 Les Ulis France |
| Filing Date | :25/06/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/175751 | 1)FONTAYNE Alexandre |
| (61) Patent of Addition to Application | :NA | 2)JORIEUX Sylvie |
| Number | :NA | 3)MONNET MARS Céline |
| Filing Date | | 4)MONDON Philippe |
| (62) Divisional to Application Number | :NA | 5)KHARRAT Abdelhakim |
| Filing Date | :NA | 6)BOUAYADI Khalil |

(57) Abstract :

The invention relates to a method for producing a variant of a parent polypeptide comprising a Fc region, which variant exhibits reduced binding to the protein Clq and to at least one receptor FcgY R as compared to the said parent polypeptide.

No. of Pages : 63 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :19/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : HETEROCYCLIC COMPOUNDS MEDICAMENTS CONTAINING SAID COMPOUNDS USE THEREOF AND PROCESSES FOR THE PREPARATION THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (57) Abstract : | :C07D401/14,C07D401/12,A61K31/497 :11187553.0 :02/11/2011 :EPO :PCT/EP2012/071352 :29/10/2012 :WO 2013/064450 :NA :NA :NA | (71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH Address of Applicant :Binger Str. 173 55216 Ingelheim am Rhein Germany (72)Name of Inventor : 1)HECKEL Armin 2)FRATTINI Sara 3)HAMPRECHT Dieter 4)KLEY Joerg |
|--|--|---|
|--|--|---|

(57) Abstract :

The present invention relates to compounds of general formula (I) and the tautomers and the salts thereof particularly the pharmaceutically acceptable salts thereof with inorganic or organic acids and bases which have valuable pharmacological properties particularly an inhibitory effect on epithelial sodium channels the use thereof for the treatment of diseases particularly diseases of the lungs and airways.

No. of Pages : 127 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DIHYDROFURAN DERIVATIVES AS INSECTICIDAL COMPOUNDS

| (51) Internationalclassification(31) Priority Document No | | (71)Name of Applicant : 1)SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel |
|---|-----------------------------------|--|
| (32) Priority Date(33) Name of priority | :22/08/2011 | Switzerland (72)Name of Inventor : |
| country | :EPO | 1)SMEJKAL Tomas |
| (86) International Application No Filing Date | :PCT/EP2012/065765 :10/08/2012 | 2)WENDEBORN Sebastian Volker 3)CASSAYRE Jérôme Yves 4)EL QACEMI Myriem |
| (87) International Publication No | :WO 2013/026726 | 5)BREIT Bernhard 6)DIAB Lisa |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 7)MONDIERE Régis Jean Georges |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention provides compounds of formula I wherein Q is Q1 or Q2; A A A and A are independently of each other C H C R or nitrogen; R is C Chaloalkyl; R is aryl or aryl substituted by one to five R or heteroaryl or heteroaryl substituted by one to five R; and R R R R and R are as defined in the claims. The invention also provides methods of controlling insects acarines nematodes or molluscs which methods comprise applying to a pest to a locus of a pest or to a plant susceptible to attack by a pest an insecticidally nematicidally or molluscicidally effective amount of a compound of formula (I).

No. of Pages : 161 No. of Claims : 22

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : FATTY ACID COMPOSITIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :A61K31/202 :61/510441 :21/07/2011 :U.S.A. :PCT/US2012/047731 :20/07/2012 :WO 2013/013211 | (71)Name of Applicant : 1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands (72)Name of Inventor : 1)APT Kirk E. 2)BEHRENS Paul Warren |
|---|---|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/013211 :NA :NA :NA :NA | 2)BEHRENS Paul Warren 3)HANSEN Jon Milton 4)PFEIFER III Joseph W. 5)STAHL Tracey Lynn 6)ZIRKLE Ross |

(57) Abstract :

The disclosure is directed to microbial oils containing omega 3 polyunsaturated fatty acids comprising docosahexaenoic acid eicosapentaenoic acid and optionally docosapentaenoic acid and dosage forms containing such oils.

No. of Pages : 96 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :03/02/2006

(54) Title of the invention : A PHARAMACEUTICAL FORMULATION CONTAINING QUERCETIN FOT THE TREATMENT OF DIABETIC NEPHROPATHY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :A61K 31/07 :NA :NA :NA :NA | (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDISTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA Delhi India (72)Name of Inventor : |
|--|--|---|
| Filing Date | :NA | 1)PARAMAHANSA V. SALIMATH |
| (87) International Publication No | :NA | 2)KARI SAMBAIAH |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Diabetic nephropathy is one of the complications of diabetes mellitus and is known for kidney complications. During diabetic nephropathy, the functional unit of kidney is damaged leading to increased filtration rate. Diet plays a major role in the management of diabetes and its associated complications. In this aspect, dietary antioxidants are playing an important role. Quercetin is a well-documented bioflavonoid occurring in many foods and is known to be present in higher concentrations in onions, apples, broccoli, green tea and red wine. A formulation involving quercetin was examined for its efficacy on diabetic nephropathy state. The experimental groups showed considerable improvement in ameliorating the diabetic status as assessed by urine sugar, urine volume and fasting blood sugar. The kidney damage was estimated by measuring the glomerular filtration rate in diabetic and treated rats. The quercetin fed diabetic rats showed about 50% improvement in the diabetic nephropathy state.

No. of Pages : 16 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 13/05/2016

(51) International classification :H04W8/18 (71)Name of Applicant : (31) Priority Document No :2011160938 1)SONY CORPORATION (32) Priority Date Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 :22/07/2011 (33) Name of priority country :Japan Japan (86) International Application No :PCT/JP2012/065383 (72)Name of Inventor : Filing Date :15/06/2012 1)SATO Masanori (87) International Publication No :WO 2013/015038 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : WIRELESS COMMUNICATION DEVICE INFORMATION PROCESSING DEVICE COMMUNICATION SYSTEM AND WIRELESS COMMUNICATION DEVICE CONTROL METHOD

(57) Abstract :

An objective of the present invention is to easily share data which is used among a plurality of wireless communication devices. A wireless communication device comprises a receiving unit and a control unit. The receiving unit receives a transfer operation for transferring connection permissions for connecting to a prescribed network using wireless communication from a first wireless communication device whereon the connection permissions are set to a second wireless communication device whereon the connection permissions are set. When the transfer operation is received the control unit includes information in a transfer request which requests that the connection permissions be transferred from the first wireless communication device to the second wireless communication device for synchronizing data in the second wireless communication device with prescribed data in the first wireless communication device. The control unit transmits the transfer request.

No. of Pages : 144 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : INTEGRATED CIRCUIT FOR CONVERTING LOW VOLTAGE AC TO NORMAL DC VOLTAGES

| (51) International classification:H02M3/(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(36) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAState:NAState:NAState:NAState:NAState:NAState:NAState:NAState:NAState:NAState:NAState:NA | (71)Name of Applicant : 1)AMITY UNIVERSITY Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125, NOIDA-201303, UP, INDIA Uttar Pradesh India (72)Name of Inventor : 1)KSHITIJ CHOPRA 2)DR. SUJATA PANDEY |
|--|---|
|--|---|

(57) Abstract :

The present invention relate $\hat{A} \cdot s$ to an integrated circuit that converts low AC voltages to DC Voltage. The circuit comprises active rectifier a~d amplifier combination for conversion. It can be implemented though any general purpose Op-Amp IC available. The integrated circuit can be used for various smart metering applications and wit prove to be a pivotal part of the data acquisition circuitry.

No. of Pages : 8 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : GYROSCOPIC MULTI MOVEMENT DUCTED PROPELLER FOR AIRCRAFT

| (51) International algoritization | ·P64C20/00 | (71) Nome of Applicant : |
|---|------------|--|
| (51) International classification | .D04C29/00 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)AMITY UNIVERSITY |
| (32) Priority Date | :NA | Address of Applicant : AMITY UNIVERSITY HARYANA, |
| (33) Name of priority country | :NA | AMITY EDUCATION VALLEY, GURGAON (MANESAR)- |
| (86) International Application No | :NA | 122413, HARYANA, INDIA Haryana India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)DR. ASHOK KUMAR RAGHAV |
| (61) Patent of Addition to Application Number | :NA | 2)GAUTAM PARJAPATI |
| Filing Date | :NA | 3)RISHABH ASWAL |
| (62) Divisional to Application Number | :NA | 4)PAVLEEN SINGH BALI |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a novel adjustable aircraft propeller/rotor assembly for multi-dimensional movement which is capable of vertical takeoff '...·. and ianding, inCludes a fuselage without control surfaces. The tilt rotor assembly IS m~untcd within' the duct which is formed through each wing for providing $\hat{A} \cdot$ downward thrust causing lift. Each propeller is mounted on the circular ring and engages with the rotor assembly. The present invention uses the same tilt rotor assembly to provide vertical takeoff, forward thrust along the longitudinal axis of the aircraft as \Yell as yaw. The tilt rotor assembly includes a drive shaft and its engine .

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

(19) INDIA

(22) Date of filing of Application :23/12/2015

(54) Title of the invention : VALVE/MILL ARRANGEMENT

(43) Publication Date : 13/05/2016

| (-) | | |
|---|----------------------|---|
| | | |
| (51) International classification | :B02C18/12,B02C18/22 | (71)Name of Applicant : |
| (31) Priority Document No | :10 2013 213 246.8 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :05/07/2013 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2014/063227 | (72)Name of Inventor : |
| Filing Date | :24/06/2014 | 1)GROSS Martin |
| (87) International Publication No | :WO 2015/000737 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention describes a valve/mill arrangement (1) comprising a valve (2) having a valve housing (11) with an inlet opening (12) and an outlet opening (13), and having a closure element (14) for closing the inlet opening (12). The valve/mill arrangement (1) also comprises a mill (3) having a mill rotor (20) with at least one mill tool (22), having at least one mill screen (23) and having a drive device (24) for driving the mill rotor (20). The mill rotor (20) and the mill screen (23) here are arranged, at least in part, in the valve housing (11), and a travel path of the closure element (14) runs, at least in part, coaxially in relation to an axis of rotation (25) of the mill rotor (20). Unused space in the interior of the valve housing (11) is thus utilized by the mill (3). This means that a compact construction of the valve/mill arrangement (1) is possible.

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

(21) Application No.2128/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SURGICAL STAPLER WITH FLOATING ANVIL

(57) Abstract :

A surgical instrument including an said end effector with an anvil and a staple cartridge support configured to support a staple cartridge wherein the jaw is moved toward the staple cartridge to deform staples contained within the staple cartridge. The anvil is configured to be rotated as the anvil is moved toward the staple cartridge. The surgical instrument further comprises a knife bar configured to contact said anvil jaw and drive said anvil surface toward said staple cartridge when said knife bar is moved from said proximal end toward said distal end of said end effector.

No. of Pages : 359 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : VANISHING CREAM COMPOSITIONS AND USES THEREOF | | |
|---|------------|--|
| | | |
| (51) International classification | :A61K47/00 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)L'OREAL |
| (32) Priority Date | :NA | Address of Applicant :14, rue Royale 75008 PARIS, FRANCE |
| (33) Name of priority country | :NA | France |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)GAURAV KUMAR |
| (87) International Publication No | : NA | 2)SARIKA MULEY |
| (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 concerns a composition comprising at least one aqueous phase and at least one oily phase, wherein said composition comprises: - i) at least 4% by weight of solid particles, preferably selected from the group consisting of: solid fatty acids(s), inorganic particles, and mixtures thereof; - ii) from 0.01% to 1% by weight of at least one crosslinked copolymer comprising at least one unit of an unsaturated olefinic carboxylic acid, and at least one unit of a (C10-c30)alky ester of unsaturated carboxylic acid; - iii) from 0.01% to 15% by weight of alkyl phosphate ester salts, wherein the percentages by weight are based on the total weight of the composition.

No. of Pages : 27 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :F04D | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)S K Dynamics Pvt. Ltd. |
| (32) Priority Date | :NA | Address of Applicant :B-5, Industrial Estate, Roorkee-247667, |
| (33) Name of priority country | :NA | India. Uttarakhand India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)GOEL, Rakesh |
| (87) International Publication No | : NA | 2)GOEL, Ankur |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : MULTIPLE VARIABLE SPEED FANS BASED WIND TUNNEL

(57) Abstract :

The present disclosure relates to a multiple fan wind tunnel that employs BLDC motors having airfoil based mounting flanges and air flow through their shaft for rotor cooling. Fan blades are made of nylon for high strength and low inertia and mounted on a aluminium hub. It has unique design so that number of fan blades can be modified if required. VSD of the above motor is mounted on rear side of motor in a cylindrical and conical shaped housing to reduce air drag. The oscillating airfoils are constructed using welded structure of multiple airfoil section plates with support rod and strips for high strength and low inertia. The turn table comprises two welded frames in which bottom frame is stationary and top frame is rotating. The top frame uses multiple wheels to handle high load with low deflection. The traverse system has dual carriage in x axis with automatic distance adjusters and also 2 stage z axis mechanism to have better clearance from test object. The power supply has a battery bank interface to handle instantaneous bipolar current during acceleration and deceleration of fans. It also handles power fluctuations of mains power. The central control is used to control all the fans and other subsystems like oscillating airfoils, traverse system, turn table etc using common 3 channel communication bus.

No. of Pages : 37 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : UTILIZATION OF RED MUD (A NON HAZARDOUS WASTE FROM ALUMINUM INDUSTRY) AS AN ADDITIVE IN CEMENT MANUFACTURING

| (51) International classification | :C04B2111/26 | (71)Name of Applicant : |
|---|--------------|---|
| (31) Priority Document No | :NA | 1)AJAY SHARMA |
| (32) Priority Date | :NA | Address of Applicant : AJAY SHARMA ADMINISTRATIVE |
| (33) Name of priority country | :NA | BUILDING DALLA CEMENT FACTORY DALLA DIST: |
| (86) International Application No | :NA | SONEBHADRA Uttar Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)AJAY SHARMA |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Jaiprakash Associates Ltd. is a well diversified infrastructural conglomerate in India having business interests in: - Engineering & Construction, Cement, Power, Real Estate, Hospitality, Express Ways, Sports & Education. Jaypee group is the 3rd largest cement producer in the country having total 29 MTPA capacity spread at various location in India and produces a special blend of Portland Pozzolana Cement (PPC) & Portland Slag Cement (PSC) under brand name Jaypee Cement. Jaiprakash Associates Ltd. Acquired sick Dalla Cement Factory from U.P. Cement Corporation Ltd. In the year 2006 and implemented a comprehensive rehabilitation & modernization program to revive the Plant which had been out of operation for last 10 years. The existing Kiln K#4 1200 TPD capacity with 4 stage suspension Preheater, Ball Mills upgraded to 1700 TPD with installation of RPS-10 Roll Press for Raw material grinding and Installed a new 4500 TPD brown field clinkerisation unit K#5 with 6 stage Preheater, Calciner & Vertical Mills, new generation Polytrack Cooler supplied by M/s Polysius Germany / ThyssenKrupp Industries Ltd. India Red mud is a waste material generated by the Bayer Process widely used to produce alumina from bauxite throughout the world. We are generating approximately 4.71 MTPA red mud in India and this is likely to increase with setting up new production facilities and decreasing ore quality. Approximately 3000 Hectares area required for entire generation in 2014 -15. Only less than 5% Red mud is utilized in the world balance material is disposed in the storage area. This material is not having any wide industrial application and to overcome this problem, it is very much essential to utilize the industrial waste by-product known as Red Mud generated in manufacturing of aluminum. Utilization of Hazardous and non- hazardous industrial waste in the manufacturing industry has become the necessity in the developing countries like India. In similar line Dalla Cement Factory has also envisaged to use Red Mud and industrial waste from M/S Hindalco Industries, Renukoot (30 KM away from Dalla Cement Factory) as one of the raw material in place of additive like laterite / iron ore without affecting the quality of clinker and cement to conserve mineral and to reduce threat to environment. The attempt is made to use Red Mud as an Alternate raw material as additive in place of iron ore or laterite. This will also help Alumina Industries, facing serious problem in storage of Red Mud and causing threat to environment. Use of Red Mud will also help in conservation of natural resources like iron and laterite ore as they are limited in nature and there conservation is need of the day.

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

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : POSTURE SUPPORT DEVICE

| :A47D15/00 | (71)Name of Applicant : |
|------------|--|
| :NA | 1)SECRETARY, DEPARTMENT OF BIOTECHNOLOGY |
| :NA | Address of Applicant : Ministry of Science & Technology |
| :NA | Government of India, C.G.O. Complex, Lodhi Road, New Delhi |
| :NA | 110003, India Delhi India |
| :NA | (72)Name of Inventor : |
| : NA | 1)SARKAR, Devmalya |
| :NA | 2)KOHLI, Aakash |
| :NA | 3)KAPOOR, Charandeep Singh |
| :NA | 4)JHA, Prashant |
| :NA | 5)HANDA, Gita |
| | :NA :NA :NA :NA :NA :NA :NA :NA |

(57) Abstract :

A posture support device (100) attachable to chair for providing postural support to person is described. The posture support device (100) includes front support member (102) to provide support to front region of body of person, and back support member (104) to provide support to back region. The posture support device (100) also includes first connecting arm (106) having first part (110) and second part (112), where one end of first part (110) is attachable to chair and other end is attached to second part (112), and second part (112) is connected to front support member (102). The posture support device (100) also includes second connecting arm (108) having first component (114) connected to the second part (112) of the first connecting arm(106) and second component (116) connected to back support member (104) to allow combined movement of front support member (102) and back support member (104) in response to movement of the person.

No. of Pages : 23 No. of Claims : 8

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : FLUOROEL | ASTOMERS | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C08F214/22 :13174189.4 :28/06/2013 :EPO :PCT/EP2014/063213 :24/06/2014 :WO 2014/206955 :NA :NA :NA :NA | (71)Name of Applicant : 1)SOLVAY SPECIALTY POLYMERS ITALY S.P.A. Address of Applicant :Viale Lombardia 20 I 20021 Bollate (MILANO) Italy (72)Name of Inventor : 1)MANZONI Claudia 2)CHERNYSHEVA Liubov 3)COMINO Giovanni |

(57) Abstract :

The invention pertains to a fluoroelastomer comprising recurring units derived from vinylidene fluoride (VDF) hexafluoropropylene (HFP); and from 0.1 to 10 % by moles of recurring units derived from hexafluoroisobutene (HFIB) wherein the mole percentages are based on the total moles of recurring units.

No. of Pages : 32 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD OF FORMING AN OPTICAL DEVICE

| (33) Name of priority country:U.K.(72) Name of Inventor : 1) WESTON Nicholas John 2) HAND Duncan Paul 3) GIET Stephanie 4) ARDRON Marcus(85) International Publication Filing Date:WO 2012/038707(61) Patent of Addition to Filing Date:NA :NA(62) Divisional to Application Number Filing Date:NA :NA | country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :PCT/GB2011/001393 :26/09/2011 ^{on} :WO 2012/038707 :NA :NA :NA | 1)WESTON Nicholas John 2)HAND Duncan Paul 3)GIET Stephanie |
|---|---|---|--|
|---|---|---|--|

(57) Abstract :

A method of forming an optical device comprises applying a laser beam to a target area of the surface so as to selectively heat material of the surface thereby to provide transfer of material due to a surface tension gradient wherein the surface is such that when liquid parts of the surface at higher temperatures have a higher surface tension than adjacent parts of the surface at lower temperatures.

No. of Pages : 62 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : OPTIMIZATION OF NUCLEATION AND CRYSTALLIZATION FOR LYOPHILIZATION USING GAP FREEZING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :F26B5/06 :61/387295 :28/09/2010 :U.S.A. :PCT/US2011/053462 :27/09/2011 :WO 2012/054194 :NA | (71)Name of Applicant : 1)BAXTER INTERNATIONAL INC. Address of Applicant :One Baxter Parkway Deerfield IL 60015 U.S.A. 2)BAXTER HEALTHCARE S.A. (72)Name of Inventor : 1)KUU Wei Y. |
|--|--|--|
| | | -/ |
| (87) International Publication No | | |
| | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This application discloses devices articles and methods useful for producing lyophilized cakes of solutes. The devices and articles provide for a method of freezing liquid solutions of the solute by the top and the bottom of the solution simultaneously. The as frozen solution then provides a lyophilized cake of the solutes with large and uniform pores.

No. of Pages : 27 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CRYSTALLINE OXALATE SALTS OF A DIAMIDE COMPOUND

| classification:C07D401712,A01K31/444,A01P11/08(31) Priority Document No :61/388148(32) Priority Date:30/09/2010(33) Name of prioritycountry:U.S.A.(86) International:PCT/US2011/053997 | (71)Name of Applicant : 1)THERAVANCE INC. Address of Applicant :901 Gateway Boulevard South San Francisco California 94080 U.S.A. (72)Name of Inventor : 1)RAPTA Miroslav 2)THALLADI Venkat 3)CHAO Robert |
|--|--|
|--|--|

(57) Abstract :

The invention relates to crystalline oxalate salts of biphenyl-2-ylcarbamic acid 1-(2-{[4-(4-{[(R)-2-hydroxy-2-(8-hydroxy-2-oxo-l,2-dihydroquinolin-5-yl)ethylamino]-methyl}phenylcarbamoyl)butyl]methylcarbamoyl}ethyl)piperidin-4-yl ester. This invention also relates to compositions containing such a crystalline oxalate salt; methods of using such a crystalline oxalate salt to, for example, treat a pulmonary disorder; and to processes for preparing such a crystalline oxalate salt.

No. of Pages : 45 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : AJAS GREEN- GOAT MILK BASED NATURAL HERBAL BEAUTY SOAP.

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :A61K8/97 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)INDIAN COUNCIL OF AGRICULTURE RESEARCH (ICAR) Address of Applicant :KRISHI BHAWAN, 1, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110001 Delhi India (72)Name of Inventor : |
|--|--|--|
| (87) International Publication No | : NA | 1)PRAMOD KUMAR ROUT |
| (61) Patent of Addition to Application Number | :NA | 2)ASHOK KUMAR |
| Filing Date | :NA | 3)DEVENDRA SWARUP |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Goat milk base soap was prepared by adding a definite concentration of processed goat milk, goat fat, mixture of oils and herbal extract for healthy skin. Fresh Goat Milk of Barbari and Jamunapari goat Breed was kept under refrigeration at 4Űc for overnight period for processing. Lye solution (KOH 90% and NaOH-10% as Lye and goat milk replaced by hater in a fixed Ratio) was prepared and added cold goat milk to it. The temp was kept below 60ŰC and the process of mixing was carried out for 18 min. Soap base was prepared by mixing oils of Coconut oil, Linseed oil, Castor oil, sunflower oil and Almond oil in a ratio and goat milk was used in place of water. During this process, base was mixed with goat milk and milk fat in definite concentration. Finally in this soap mixture Aloe Vera gel was added by 3% for enhancing efficacy. Titanium dioxide was mixed, along with a permitted flavor. No petroleum jelly was used. This mixture was put under cast for soap making.

No. of Pages : 14 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

| | A C1120/07 | (71)NJ |
|---|------------|--|
| (51) International classification | | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)INDIAN COUNCIL OF AGRICULTURE RESEARCH |
| (32) Priority Date | :NA | (ICAR) |
| (33) Name of priority country | :NA | Address of Applicant :KRISHI BHAWAN, 1, DR. |
| (86) International Application No | :NA | RAJENDRA PRASAD ROAD, NEW DELHI-110001 Delhi India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)PRAMOD KUMAR ROUT |
| (61) Patent of Addition to Application Number | :NA | 2)ASHOK KUMAR |
| Filing Date | :NA | 3)DEVENDRA SWARUP |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : AJAS- GOAT MILK BASED NATURAL BEAUTY SOAP.

(57) Abstract :

Goat milk base beauty soap was prepared by adding processed goat milk, goat fat and mixture of oils for healthy skin. Fresh Goat Milk of goat Breed of Barbari and Jamunapari was kept under refrigeration at 4 " for overnight period and processed. Lye solution (KOH 90% and NaOH-10% as Lye and goat milk replaced by water in a fixed Ratio) was prepared and added cold goat milk to it. The temp was kept below 60ŰC and the process of mixing was carried out for 1 8 min. Soap base was prepared by mixing oils as Coconut oil, Linseed oil, Castor oil, sunflower oil and Almond oil in a ratio and goat milk was used in place of water. During this process, base was mixed with goat milk and" milk fat in definite concentration. Titanium dioxide was mixed, along with a permitted flavor. No petroleum jelly was used. This mixture was put under cast for production of soap cake.

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

(19) INDIA

(22) Date of filing of Application :21/12/2015

(43) Publication Date : 13/05/2016

(51) International classification :F16D3/20 (71)Name of Applicant : (31) Priority Document No **1)GKN DRIVELINE INTERNATIONAL GMBH** :10 2013 106 868.5 (32) Priority Date Address of Applicant : Hauptstrasse 130 53797 Lohmar :01/07/2013 (33) Name of priority country :Germanv Germany (86) International Application No :PCT/EP2014/062897 (72)Name of Inventor : Filing Date **1)BEIGANG Wolfgang** :18/06/2014 (87) International Publication No :WO 2015/000709 2)BROCHHEUSER Ulrich (61) Patent of Addition to Application **3)ERYILMAZ Orkan** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : INNER JOINT PART AND ROLLER ELEMENT OF A TRIPOD CONSTANT VELOCITY JOINT

(57) Abstract :

The invention relates to an inner joint part (1) of a tripod constant velocity joint (2), comprising a hub (3), which has an axis of rotation (4), and three projections (5), which extend outward from the hub (3) in a radial direction (6) and have a transition region (48) adjoining the hub (3) and a bearing region (59), wherein the following applies: the spherical circumferential surface (9) of each projection (5) forms a first surface line (10) extending in the first plane (8), wherein an inner sphere (13) having an inner-sphere radius (19) is specified, which inner sphere contacts the opposite contact points (52) of the first surface line (10); the first surface line (10) of each projection (5) extends at least in first angle ranges (20) adjacent to the respective contact point (52) outside the inner sphere (13); there exists a second surface line (15) in a second plane (16); and the second surface line (15) touches the inner sphere (13) at touch points (60) only at the height (11) of the largest diameter (12) of the projection (5) and extends at least in second angle ranges (34) adjacent to the respective touch point (60) within the inner sphere (13). The invention further relates to a roller element (28) of a tripod constant velocity joint (2) having a convex inner circumferential surface (29), wherein the extension line (25) of the inner circumferential surface (29) forms an extension line radius (23), the magnitude of which is at a maximum in a central region, and the magnitude of the extension line radius (23) is less in an adjacent region (62).

No. of Pages : 50 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :18/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : X- RAY DEVICE AND METHOD FOR CONTROLLING AN X- RAY IRRADIATION AREA USING THE SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Eiling Date | :1020110070932 :18/07/2011 :Republic of Korea :PCT/KR2012/005659 :16/07/2012 :WO 2013/012231 :NA :NA :NA | (71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor : 1)LEE Byeong Won 2)MOON Jae Hwa |
|---|--|--|
| Filing Date | :NA | |

(57) Abstract :

An X-ray device includes a camera to image an object and output the image of the object a display member using a touch screen to display the image of the object output from the camera and an X ray irradiation region of the object an X-ray irradiation region controller to control a region of the object to which an X-ray is irradiated and a control member to enable the irradiation region controller to control the region of the object to which an X-ray is irradiated according to the X ray irradiation region when the X-ray irradiation region is determined based on the image of the object displayed in the display member.

No. of Pages : 39 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : AJAS ANTISEPTIC- GOAT MILK BASED NATURAL HERBAL ANTISEPTIC SOAP.

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :A01N31/02 :NA :NA :NA | (71)Name of Applicant : 1)INDIAN COUNCIL OF AGRICULTURE RESEARCH (ICAR) Address of Applicant :KRISHI BHAWAN, 1, DR. |
|--|---------------------------------|--|
| (86) International Application No | :NA | RAJENDRA PRASAD ROAD, NEW DELHI-110001 Delhi India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)ASHOK KUMAR |
| (61) Patent of Addition to Application Number | :NA | 2)PRAMOD KUMAR ROUT |
| Filing Date | :NA | 3)DEVENDRA SWARUP |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Goat milk base soap was prepared by adding a define concentration Goat milk, Goat milk fat and mixture of oils. Soap was fortified with" a combination two Herbal extract for antiseptic effect. Fresh Goat Milk from of Barbari and Jamunapari breed of goat. Raw milk was kept under refrigeration at $4\hat{A}^\circ$ c for overnight period and processed. Lye solution SOH 90% and NaOH-10% as Lye and goat milk replaced by water in a fixed Ratio) was prepared and added.cold goat milk to it. The temp was kept below $60\hat{A}^\circ$ C and the process of mixing was carried out for 18 min. Soap base was prepared by mixing oils such as Coconut oil, Linseed oil, Castor oil, sunflower oil and Almond oil in a ratio and goat milk was used in place of water in a concentration. Soap base was mixed with goat milk fat in definite concentration. Finally in this soap mixture a combination of Eucalyptus leaves extract and Catharanthus roseus leaves extract was added to the concentration of 3%. Titanium dioxide was mixed, along with a permitted flavor. No petroleum jelly was used. This mixture was put under cast for soap making.

No. of Pages : 14 No. of Claims : 6

(21) Application No.2805/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DRYING/CARBONIZING DEVICE AND METHOD THEREOF

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | PCT/JP2011/005025 07/09/2011 WO 2012/053147 NA NA | (71)Name of Applicant : 1)MUTSUWA KOGYO KABUSHIKI KAISHA Address of Applicant :21 8 2 chome Asahi cho Kawasaki ku Kawasaki shi Kanagawa 2120808 Japan (72)Name of Inventor : 1)OYAMA Toshio 2)HOSHI Masami |
|--|---|--|
| Number | NA NA | |

(57) Abstract :

This drying/carbonizing device is formed from providing within a drying chamber: a plurality of tubes to one end of which an inlet is formed and to the other end of which an outlet is formed of which the upper and lower ends are interconnected to each other to form a single chain and which have rotatable screw conveyers therewithin that are disposed in a manner so that the outward paths and return paths vertically alternate; horizontal tubes that are attached at appropriate intervals along the lengthwise direction of the plurality of tubes and that are horizontal discharge tubes connected to the plurality of tubes; vertical tubes that are connected to the ends of the horizontal tubes and that are provided in the vertical direction; and a bottom collection tube that is provided horizontally to the bottom links the ends of the vertical tubes and removes gas.

No. of Pages : 44 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :29/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : BLOOD VESSEL GRAFTS FOR REPAIR RECONSTRUCTION AND FILLER MATERIALS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :02/09/2011 | (71)Name of Applicant : 1)THE GENERAL HOSPITAL CORPORATION Address of Applicant :55 Fruit Street Boston Massachusetts 02114 U.S.A. (72)Name of Inventor : 1)ZEITELS Steven M. 2)WAIN John C. |
|--|-------------|---|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Compositions comprising aortic material and methods for using harvested blood vessels (e.g. arteries or veins e.g. aortae) graft procedures e.g. for restoring and repairing luminal structures (e.g. in the aerodigestive tract such as the larynx pharynx and esophagus); as tissue fillers (e.g. injectable morselized blood vessel tissues for use in cosmetic applications and functional sphincter enhancement); and as biological structural supports (e.g. intact portions of aortae for use in repairing abdominal wounds anastomoses bony repairs and the heart).

No. of Pages : 38 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :10/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : †PREFETCHING FOR COMPUTING AIRLINE ROUTES'

| (51) International classification | | (71)Name of Applicant : |
|---|------|---|
| | - | |
| (31) Priority Document No | :NA | 1)UNISYS CORPORATION |
| (32) Priority Date | :NA | Address of Applicant :C/O Patent & Technology Law Group |
| (33) Name of priority country | :NA | MS/2NW, 801 Lakeview Drive, Suite 100, Blue Bell, PA 19422, |
| (86) International Application No | :NA | United States of America U.S.A. |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Pradeep CK |
| (61) Patent of Addition to Application Number | :NA | 2)Raksha R. |
| Filing Date | :NA | 3)Venkatesh Ramachar Sanjeeva |
| (62) Divisional to Application Number | :NA | 4)Nishanth S. |
| Filing Date | :NA | |

(57) Abstract :

Airline route information may be pre-fetched and cached in a routings engine to improve response time of the routings engine to generate routes from an origin to a destination location. For example, a method may include receiving, at a routings engine from an airline reservation system, a request for first airline routes between an origin and a destination based on specified route parameters; storing, by the routings engine, the request in a historical record of requests; fetching, by the routings engine, first airline routes matching the origin, the destination, and the specified route parameters; and pre-fetching, by the routings engine, second airline routes based, at least in part, on the historical record of requests.

No. of Pages : 29 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :19/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : VINYL CHLORIDE RESIN LATEX FOR IMAGE RECEIVING SHEET FOR THERMAL SUBLIMATION TRANSFER AND IMAGE RECEIVING SHEET FOR THERMAL SUBLIMATION TRANSFER OBTAINED WITH SAME

| (51) International classification:B41M5/382,B41M5/50,B4(31) Priority Document No (32) Priority Date:2010236779(32) Priority Date:21/10/2010(33) Name of priority country (36) International Application No Filing Date:PCT/JP2011/073880 :18/10/2011(87) International Publication No:WO 2012/053496(61) Patent of Addition to Application Number Filing Date:NA :NA :NA(62) Divisional to Application Number Filing Date:NA :NA | 41M5/52 (71)Name of Applicant : 1)TOSOH CORPORATION Address of Applicant :4560 Kaisei cho Shunan shi Yamaguchi 7468501 Japan (72)Name of Inventor : 1)ITO Nobuyuki 2)SATO Tamotsu 3)WATANABE Kazunori |
|--|---|
|--|---|

(57) Abstract :

The present invention addresses the problem of providing: a vinyl chloride resin latex for image-receiving sheets for thermal sublimation transfer which has excellent storage stability; and an image-receiving sheet for thermal sublimation transfer with which it is possible to form an excellent image. The present invention relates to: a vinyl chloride resin latex for image-receiving sheets for thermal sublimation transfer, characterized by comprising 100 parts by weight of a vinyl chloride homopolymer and 1-5 parts by weight, excluding 1 part by weight, of an alkylbenzenesulfonic acid salt; and an image-receiving sheet for thermal sublimation transfer which is obtained using the latex.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD OF MAKING OXIDE THIN FILM TRANSISTOR ARRAY AND DEVICE INCORPORATING THE SAME

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :H01L21/336,H01L29/786 :12/923624 :29/09/2010 :U.S.A. :PCT/US2011/001583 :14/09/2011 :WO 2012/044344 :NA :NA :NA | (71)Name of Applicant : 1)GUARDIAN INDUSTRIES CORP. Address of Applicant :2300 Harmon Road Auburn Hills MI 48326 1714 U.S.A. (72)Name of Inventor : 1)DEN BOER Willem |
|--|---|--|
|--|---|--|

(57) Abstract :

Certain example embodiments relate to methods of making oxide thin film transistor arrays (e.g., IGZO, amorphous or polycrystalline ZnO, ZnSnO, InZnO, and/or the like), and devices incorporating the same. Blanket layers of an optional barrier layer, semiconductor, gate insulator, and/or gate metal are disposed on a substrate. These and/or other layers may be deposited on a soda lime or borosilicate substrate via low or room temperature sputtering. These layers may be later patterned and/or further processed in making a TFT array according to certain example embodiments. In certain example embodiments, all or substantially all TFT processing may take place at a low temperature, e.g., at or below 150 degrees C, until a post-annealing activation step, and the post-anneal step may take place at a relatively low temperature (e.g., 200-250 degrees C).

No. of Pages : 22 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :25/03/2013

(54) Title of the invention : NONWOVEN ARTICLE WITH RIBBON FIBERS

(43) Publication Date : 13/05/2016

(71)Name of Applicant : (51) International classification :D04H1/64 **1)EASTMAN CHEMICAL COMPANY** (31) Priority Document No :61/405306 Address of Applicant :200 South Wilcox Drive Kingsport TN (32) Priority Date :21/10/2010 37660 U.S.A. (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2011/056987 1)GUPTA Rakesh Kumar Filing Date :20/10/2011 2)MITCHELL Melvin Glenn (87) International Publication No :WO 2012/054666 3)KLOSIEWICZ Daniel William (61) Patent of Addition to Application :NA 4)CLARK Mark Dwight Number :NA 5)ANDERSON Chris Delbert Filing Date 6)MITCHELL Marvin Lynn (62) Divisional to Application Number :NA 7)MITCHELL Paula Hines Filing Date :NA 8)WOLFE Amber Lavne

(57) Abstract :

Ribbon fibers nonwoven articles derived therefrom and their process of manufacture are provided. The ribbon fibers are derived from multicomponent fibers having a striped configuration and have a length of less than 25 millimeters a minimum transverse dimension of less than 5 microns and a transverse aspect ratio of at least 2:1. The ribbon fibers are formed from a water non dispersible synthetic polymer. The nonwoven articles containing the ribbon fibers may be used for a wide array of products.

No. of Pages : 90 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :25/03/2013

(54) Title of the invention : NONWOVEN ARTICLE WITH RIBBON FIBERS

(43) Publication Date : 13/05/2016

(71)Name of Applicant : (51) International classification :B29C39/14 **1)EASTMAN CHEMICAL COMPANY** (31) Priority Document No :61/405306 Address of Applicant :200 South Wilcox Drive Kingsport TN (32) Priority Date :21/10/2010 37660 U.S.A. (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2011/056986 1)GUPTA Rakesh Kumar Filing Date :20/10/2011 2)MITCHELL Melvin Glenn (87) International Publication No :WO 2012/054665 3)KLOSIEWICZ Daniel William (61) Patent of Addition to Application :NA 4)CLARK Mark Dwight Number :NA 5)ANDERSON Chris Delbert Filing Date 6)MITCHELL Marvin Lynn (62) Divisional to Application Number :NA 7)MITCHELL Paula Hines Filing Date :NA 8)WOLFE Amber Lavne

(57) Abstract :

Ribbon fibers nonwoven articles derived therefrom and their process of manufacture are provided. The ribbon fibers are derived from multicomponent fibers having a striped configuration and have a length of less than 25 millimeters a minimum transverse dimension of less than 5 microns and a transverse aspect ratio of at least 2:1. The ribbon fibers are formed from a water non dispersible synthetic polymer. The nonwoven articles containing the ribbon fibers may be used for a wide array of products.

No. of Pages : 91 No. of Claims : 20

(21) Application No.3512/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/04/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : METHOD FOR PREPARING MOLECULAR SIEVES | | |
|---|----------------------|--|
| | | |
| (51) International classification | :C01B39/02,G05D11/12 | (71)Name of Applicant : |
| (31) Priority Document No | :12/940785 | 1)CHEVRON U.S.A. INC. |
| (32) Priority Date | :05/11/2010 | Address of Applicant :6001 Bollinger Canyon Road San |
| (33) Name of priority country | :U.S.A. | Ramon California 94583 U.S.A. |
| (86) International Application No | :PCT/US2011/046211 | (72)Name of Inventor : |
| Filing Date | :02/08/2011 | 1)ZIEMER James N. |
| (87) International Publication No | :WO 2012/060911 | 2)DAVIS Tracy M. |
| (61) Patent of Addition to Application | :NA | 3)ZONES Stacey I. |
| Number | | 4)OJO Adeola |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method for synthesizing a molecular sieve comprising providing a reaction mixture sufficient to synthesize the molecular sieve maintaining the reaction mixture under crystallization conditions monitoring at least one viscometric parameter of the reaction mixture and determining an endpoint based on the monitoring of the at least one viscometric parameter.

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :20/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : USE OF MIRNAS FOR THE DIAGNOSIS PROPHYLAXIS TREATMENT AND FOLLOW UP OF DISEASES INVOLVING MACROAUTOPHAGY ABNORMALITIES

| (51) International classification (31) Priority Document N (32) Priority Date (33) Name of priority country | :C12N15/113,C12Q1/68,A61K31/7105 o:NA :NA :NA | (71)Name of Applicant : 1)SABANCI UNIVERSITESI Address of Applicant :Orhanli Tuzla 34956 Istanbul Turkey (72)Name of Inventor : 1)GOZUACIK Devrim 2)KORKMAZ Gozde |
|--|--|---|
| (86) International Application No Filing Date | :PCT/TR2010/000192 :27/09/2010 | |
| (87) International Publication No | :WO 2012/044265 | |
| (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 use of at least one miRNA (micro Ribonucleic Acid) being member of the hsa miR 376 family or at least one inhibitor of said miRNA for the diagnosis prophylaxis treatment and follow up during and after treatment of at least one disease involving autophagy abnormalities by acting on autophagy related genes and proteins; and method thereof.

No. of Pages : 27 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :20/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : STABLE CONCENTRATED LIQUID HUMAN MILK FORTIFIER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :PCT/US2011/058365 :28/10/2011 :WO 2012/061242 :NA :NA | (71)Name of Applicant : 1)ABBOTT LABORATORIES Address of Applicant :100 Abbott Park Road Dept. 0377 AP6A 1 Abbott Park Illinois 60064 U.S.A. (72)Name of Inventor : 1)VURMA Mustafa 2)BOFF Jeffrey M. 3)KATZ Gary E. |
|---|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed are concentrated liquid human milk fortifiers including extensively hydrolyzed casein and a stabilizer system. The stabilizer system includes an OSA modified corn starch in combination with a low acyl gellan gum. In one embodiment the concentrated liquid human milk fortifier is hypoallergenic and includes extensively hydrolyzed casein as the sole protein source in combination with the OSA modified corn starch and low acyl gellan gum.

No. of Pages : 43 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : A GLIDE MEMBER COMPRISING LOW TO NO HYGROSCOPIC COMPONENTS FOR USE WITH A RAZOR

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :B26B21/44,A61K8/86,A61K8/36 :61/835810 :17/06/2013 :U.S.A. | (71)Name of Applicant : 1)THE GILLETTE COMPANY Address of Applicant :World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston Massachusetts |
|---|--|---|
| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :PCT/US2014/041040 :05/06/2014 :WO 2014/204662 :NA | 02127 U.S.A. (72)Name of Inventor : PHIPPS Nicola Jacqueline WHEATLEY Alun Thomas ROCKELL Barry Keith MOLONEY Michael John |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

Razors comprising a glide member comprising a low to nil level of hygroscopic components.

No. of Pages : 41 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PYRIMIDIN 4 YL)OXY) 1H INDOLE 1 CARBOXAMIDE DERIVATIVES AND USE THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :C07D403/14,A61K31/506 :61/824464 :17/05/2013 :U.S.A. :PCT/IB2014/061484 :16/05/2014 :WO 2014/184778 :NA :NA | (71)Name of Applicant : 1)NOVARTIS AG Address of Applicant :Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor : 1)GLAENZEL Ulrike 2)NUFER Robert |
|--|--|---|
| | | |

(57) Abstract :

This invention relates to certain metabolites of N (1 methyl 5 (trifluoromethyl) 1H pyrazol 3 yl) 5 ((6

((methylamino)methyl)pyrimidin 4 yl)oxy) 1H indole 1 carboxamide In particular the present invention relates to pharmaceutical compositions comprising these metabolites as well as processes for their preparation and their use in the treatment of diseases.

No. of Pages : 81 No. of Claims : 9

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF 1,3,3-TRIMETHYL-2-(3-METHYLPENT-2-EN-4-YNYL)CYCLOHEX-1-ENE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07C403/02 :11171068.7 :22/06/2011 :EPO :PCT/EP2012/061280 :14/06/2012 :WO 2012/175396 :NA :NA :NA :NA | (71)Name of Applicant : 1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 The Heerlen Netherlands (72)Name of Inventor : 1)BONRATH Werner 2)NETSCHER Thomas 3)SCHÜTZ Jan 4)WÜSTENBERG Bettina |
|---|---|---|
|---|---|---|

(57) Abstract :

The present invention relates to an improved process for the production of 1,3,3-trimethyl-2-(3-methylpent-2-en-4- ynyl)cyclohex-1ene, highly enriched in the Z-isomer, and the use of such compounds in organic syntheses, especially in processes forming intermediates (building blocks) the synthesis of vitamin A or b-carotene or other carotenoids, e.g. canthaxanthin, astax - anthin or zeaxanthin.

No. of Pages : 17 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :07/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITION COMPRISING ONE OR MORE CALCIUM MAGNESIUM COMPOUNDS IN THE FORM OF COMPACTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :11/07/2014 | (71)Name of Applicant : 1)S.A. LHOIST RECHERCHE ET DEVELOPPEMENT Address of Applicant :Rue Charles Dubois 28 B 1342 Ottignies Louvain la Neuve Belgium (72)Name of Inventor : 1)CRINIERE Guillaume 2)CHOPIN Thierry |
|---|-------------|--|
| Application Number Filing Date | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Composition comprising at least one calcium magnesium compound corresponding to the formula

aCaCO.bMgCO.xCaO.yMgO.zCa(OH).tMg(OH).uI in which I represents impurities a b z t and u being mass fractions each = 0 and = 50% x and y being mass fractions each = 0 and = 100% with x + y = 50% by weight relative to the total weight of said at least one calcium magnesium compound which is in the form of particles said composition having a combined content of calcium and magnesium in the form of oxides of greater than or equal to 20% by weight and being in the form of compacts each compact being formed from said compacted and shaped particles of calcium magnesium compounds said compacts having a Shatter test index of less than 10% enabling very good dropping resistance and good ageing resistance the process for the manufacture thereof and the use thereof.

No. of Pages : 43 No. of Claims : 34

(22) Date of filing of Application :17/04/2013

(43) Publication Date : 13/05/2016

(51) International classification :C08L35/02 (71)Name of Applicant : (31) Priority Document No **1)BIOFORMIX LLC** :61/405049 (32) Priority Date Address of Applicant :12020 Millstone Court Cincinnati OH :20/10/2010 (33) Name of priority country :U.S.A. 45140 U.S.A. :PCT/US2011/056903 (72)Name of Inventor: (86) International Application No Filing Date :19/10/2011 1)MALOFSKY Bernard (87) International Publication No :WO 2012/054616 2)MALOFSKY Adam (61) Patent of Addition to Application **3)DEY Tanmoy** :NA Number 4)SULLIVAN Jeffrey M. :NA Filing Date 5)CHEN Yangbin (62) Divisional to Application Number :NA 6)WOJCIAK Stanley C. Filing Date :NA

(54) Title of the invention : SYNTHESIS OF METHYLENE MALONATES SUBSTANTIALLY FREE OF IMPURITIES

(57) Abstract :

The present invention provides improved methods for the chemical synthesis of methylene malonates using the Knovenagel synthesis reaction. The method of the invention provides for improved methylene malonates by significantly reducing or eliminating the formation of alternative and/or deleterious side products significantly reducing or eliminating unwanted consumption of methylene malonates and significantly reducing or eliminating the degradation of methylene malonates. These advantages result in methylene malonates which upon recovery are of higher quality greater purity improved yield and possess overall improved performance characteristics (e.g. improved cure speed retention of cure speed improved shelf life and/or stability).

No. of Pages : 130 No. of Claims : 59

(19) INDIA

(22) Date of filing of Application :22/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR BUFFERING A CHEMICAL OR BIOLOGICAL COMPOSITION

| (51) International classification | :C07F9/38,C07F9/40,C07D295/088 | (71)Name of Applicant : 1)SACHEM INC. |
|---|-----------------------------------|---|
| (31) Priority Document No | :12/953569 | Address of Applicant :821 East Woodward Street Austin |
| (32) Priority Date | :24/11/2010 | Texas 78704 U.S.A. |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/US2011/051296 :13/09/2011 | 1)HAYMORE Barry L. |
| (87) International Publication No | :WO 2012/071102 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | NA NA | |

(57) Abstract :

A method of buffering a chemical or biological composition comprising adding to the composition an effective buffering amount of at least one protonated or un-protonated amine quaternary ammonium compound having a general formula(CI) wherein the variables R, G, n and k are as defined herein.

No. of Pages : 101 No. of Claims : 11

(22) Date of filing of Application :27/08/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PUMP ARRANGEMENT | | | |
|---|---|--|--|
| (54) Title of the invention : PUMP ARRANGEME (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | NI :H02P :14192638.6 :11/11/2014 :EPO :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)DANFOSS A/S Address of Applicant :Nordborgvej 81, 6430 Nordborg, Denmark. Denmark (72)Name of Inventor : 1)FRIEDRICHSEN, Welm 2)MARTENSEN, Lars 3)ANDERSEN, Stig Kildegaard | |

(57) Abstract :

A pump arrangement (1) is provided comprising a driving shaft (2), cylinder drum means (3a, 3b) fixed to said shaft (2) in rotational direction and having a plurality of cylinders (6a, 6b), and a piston (7a, 7b) in each cylinder, each piston (7a, 7b) having a slide shoe (8a, 8b) in contact with driving surface means (8a, 8b). Such a pump arrangement should produce a pressure with low undulations. To this end said cylinder drum means (3a. 3b) comprise at least a first cylinder drum (3a) and a second cylinder drum (3b), said cylinder drums (3a, 3b) being fixed to said common shaft (2) in rotational direction, wherein the cylinder drums (3a, 3b) are offset with respect to each other in rotational direction. Fig. 1

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

(19) INDIA

(22) Date of filing of Application :27/08/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : PUMP DEVICE

| (71)Name of Applicant : |
|--|
| 8 1)DANFOSS A/S |
| Address of Applicant :Nordborgvej 81, 6430 Nordborg, |
| Denmark. Denmark |
| (72)Name of Inventor : |
| 1)FRIEDRICHSEN, Welm |
| 2)MARTENSEN, Lars |
| 3)IVERSEN, Frank Holm |
| 4)OLSEN, Palle |
| 5)ANDERSEN, Stig Kildegaard |
| |
| |

(57) Abstract :

A pump device (1) is provided comprising: a shaft (2), rotor means (3a, 3b) fixed to said shaft (2) in rotational direction, said rotor means (3a, 3b) having pressure chambers (5a, 5b) the volume of which varying during a rotation of said rotor means (3a, 3b), port plate means (15a, 15b) having a through going opening (16a, 16b) for each of said pressure chambers (5a, 5b) and being connected to said rotor means (3a, 3b) in rotational direction, and valve plate means (17a, 17b) cooperating with said port plate means (15a, 15b). It is intended to pressurize a high volume of fluid, in particular water, within a limited space. To this end said rotor means (3a, 3b) comprise a first rotor (3a) and at least a second rotor (3b), both rotors being fixed to said shaft (2) in rotational direction, said first rotor (3a) having at least a first pressure chamber (5a) and said second rotor (3b) having at least a second pressure chamber (5b), said port plate (15a) having a first port plate (15a) and at least a second port plate (15b), said first port plate (15b) having a through going opening (16b) for said second pressure chamber (5b) and being connected to said second rotor (3b) in rotational direction, said valve plate means (17a, 17b) having a first valve plate (17a) cooperating with said first port plate (15a), and said second valve plate (17b), said first valve plate (17a) cooperating with said first port plate (15a), and said second rotor (3b) in rotational direction, said valve plate means (17a, 17b) having a first valve plate (17b) cooperating with said first port plate (15b), wherein at least one of said first port plate (15a), and said second rotor (3b) comprises force generating means (19) pressing said second port plate (15b) against said second valve plate (17b) even in absence of hydraulic pressure in said second pressure chamber (5b). Fig. 1

No. of Pages : 17 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :30/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : SEAT BACK HOLDING MEMBER ATTACHMENT STRUCTURE

| (31) Priority Document No :201 2269 | Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken, Japan Japan (72) Name of Inventor : 1) Hideya KOTAKE |
|--|---|
|--|---|

(57) Abstract :

[Problem to be Solved] To provide a seat back holding member attachment structure which can reduce the vehicle weight and can enhance the attachment rigidity for attaching a seat back holding member to a vehicle body. [Solution] The present invention relates to a seat back holding member attachment structure of a vehicle. This attachment structure includes a holding member reinforcement which is attached to the seat back holding member and is positioned on a side surface, in a vehicle width direction, of a passenger compartment, a rear pillar reinforcement, and a wheelhouse reinforcement of a rear wheel. In the attachment structure, the seat back holding member reinforcement by welding, the holding member reinforcement is arranged on a rear side of the vehicle relative to a backrest surface of the seat back in a condition where the seat back is held by the seat back holding member, and an upper part and a lower part of a rear end portion of the holding member reinforcement are respectively welded to the rear pillar reinforcement and the wheelhouse reinforcement.

No. of Pages : 34 No. of Claims : 5

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : 3α-ETHYNYL, 3ÃΫ-HYDROXY1, ANDROSTAN-17-ONE OXIME COMPOUNDS | | | |
|---|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C07J7/00 :60/860,658 :21/11/2006 :U.S.A. | (71)Name of Applicant : 1)UMECRINE AB Address of Applicant :C/O TORBJORN BACKSTROM, SOFIEHEMSVAGEN 73 A, S-907 38 UMEA, SWEDEN Sweden (72)Name of Inventor : 1)TORBJORN BACKSTOM 2)GIANNA RAGAGNIN | |
| (62) Divisional to Application Number Filed on | :09/03/2009 | | |

(57) Abstract :

Steroid compounds having increased resistance against metabolism and increased water solubility are disclosed, together with methods for their production. These substances are suitable for the manufacture of pharmaceuticals for the treatment of steroid related or steroid induced CNS disorders and for use in methods of prevention, alleviation or treatment of such disorders.

No. of Pages : 23 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(57) Abstract :

The invention relates to substituted pyrrolone derivatives of the formula (I) wherein X, A, R1, R2 and R3 are as defined in the specification. Furthermore, the present invention relates to processes and intermediates for making compounds of formula (I), to herbicidal compositions comprising these compounds and to methods of using these compounds to control or inhibit plant growth.

No. of Pages : 60 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :21/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : INDIRECT REGULATION OF OUTPUT CURRENT IN POWER CONVERTER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :H02M3/335 :62/076,981 :07/11/2014 :U.S.A. :NA :NA | (71)Name of Applicant : 1)Power Integrations, Inc. Address of Applicant :5245 Hellyer Avenue, San Jose, CA 95138, USA U.S.A. (72)Name of Inventor : 1)Michael Yue Zhang |
|--|---|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA :NA :NA | 2)Ricardo Luis Janezic Pregitzer 3)Mingming Mao 4)Tiziano Pastore |
| Filing Date | :NA :NA | |

(57) Abstract :

A controller includes a multiplier block that is coupled to receive an input voltage signal, an input current signal, and an output voltage signal that are representative of a power conversion system. The multiplier block outputs a multiplier block output signal responsive to a product of the input voltage signal and the input current signal divided by the output voltage signal. A signal discriminator outputs a error signal responsive to the multiplier block output signal. The error signal is representative of a difference between a portion of the multiplier block output signal that is greater than a reference signal and a portion of the multiplier block output signal that is less than or equal to the reference signal. A switch controller generates a drive signal responsive to the error signal to control switching of a power switch to regulate an average output current of the power conversion system.

No. of Pages : 39 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : BIOCONVERSION PROCESS FOR PRODUCING NYLON-7, NYLON-7,7 AND POLYESTERS (51) International classification :C12P17/10 (71)Name of Applicant : (31) Priority Document No 1)INVISTA TECHONOLOGIES S.A R.L :61/503043 (32) Priority Date Address of Applicant : Zweigniederlassumg St. Gallen :30/06/2011 (33) Name of priority country Kreuzacherstrasse 9 CH 9000 St. Gallen Switzerland :U.S.A. (86) International Application No :PCT/US2012/044984 (72)Name of Inventor: Filing Date 1)PEARLMAN Paul S. :29/06/2012 (87) International Publication No :WO 2013/003744 **2)CHEN Changlin** (61) Patent of Addition to Application 3)BOTES Adriana L. :NA Number **4)CONRADIE Alex Van Eck** :NA Filing Date 5)HERZOG Benjamin D. (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Embodiments of the present invention relate to methods for the biosynthesis of di or trifunctional C7 alkanes in the presence of isolated enzymes or in the presence of a recombinant host cell expressing those enzymes. The di or trifunctional C7 alkanes are useful as intermediates in the production of nylon 7 nylon 7 x nylon x 7 and polyesters.

No. of Pages : 165 No. of Claims : 187

(19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR CONTROLLING MOTOR DRIVE CIRCUIT AND MOTOR DRIVE CIRCUIT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | H02P29/00,H02H7/08,H02P3/00 :NA :NA :NA :PCT/JP2013/053582 :14/02/2013 :WO 2014/125604 :NA :NA :NA | (71)Name of Applicant : SHINDENGEN ELECTRIC MANUFACTURING CO. LTD. Address of Applicant :2 1 Ohtemachi 2 chome Chiyoda ku Tokyo 1000004 Japan (72)Name of Inventor : HARADA Tomomi 2)KANEKO Masaharu |
|--|---|---|
|--|---|---|

(57) Abstract :

A motor drive circuit comprises: a CPU for controlling the operation of a bridge circuit by controlling the control voltage output from a pre driver; a voltage detection circuit for detecting the voltage of a battery on the basis of the voltage of a first battery terminal; a power supply circuit for supplying the CPU with battery power input through a first switch terminal to start up the CPU in response to the turn on of a main switch; and a first input circuit for outputting switch information to the CPU indicating whether or not a starter switch is turned on based on the signal from a second switch terminal. Further the motor drive circuit calculates a limited motor drive time and a prohibited motor drive time on the basis of the battery voltage and suspends the energization of the bridge circuit on determining that the limited motor drive time has passed from the start of the energization of the bridge circuit when detecting the stoppage of rotation of the motor.

No. of Pages : 40 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A DEVICE AND A METHOD FOR PARTING OF FABRIC LAYERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :C11D 17/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)Lohia Corp Limited Address of Applicant :D3/A Panki Industrial Estate, Kanpur –, Uttar Pradesh, India Uttar Pradesh India (72)Name of Inventor : 1)Mr. Siddharth Lohia |
|--|--|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA : NA :NA :NA :NA :NA | |

(57) Abstract :

The present invention is specially adapted for use on automated cutting and stitching machine for polyolefine woven sack formation. On any typical such machines, the required length of tubular woven polyolefine fabric is conveyed from the fabric roller onto a thermo-cutting device. After the fabric is cut to the required length by the thermo-cutting machine, the fabric cut length is traversed or transported onto a stitching station. It is important that the individual layers of the cut length of the fabric are not fused to each other and are separable when they are subjected to further operations. In its simplest form, the device of the invention has at least one top layer-gripping surface, at least one bottom layer-gripping surface, and a pressure means for applying transverse pressure on the fabric portion passing through the layer-gripping surfaces. The top and bottom layer-gripping surfaces are typically made from friction materials with friction coefficient that is greater than that of the fabric. The device is located downstream of the fabric cutting station. The present invention may also be used on fabric made of any other material such as plastics, paper, paper laminated with plastic, or any other nonwoven fabric.

No. of Pages : 46 No. of Claims : 36

(19) INDIA

(22) Date of filing of Application :28/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : EMPTYING STANDPIPE DISCHARGING DEVICE OF MOLTEN IRON FACILITIES

| (31) Priority Document No:10(32) Priority Date:07(33) Name of priority country:R(33) Name of priority countryof(86) International Application No:NFiling Date:N(87) International Publication No: N(61) Patent of Addition to Application Number:NFiling Date:N(62) Divisional to Application Number:N | :C21B5/00(71)Name of Applicant : 1)POSCO:10-2014- 01547641)POSCO Address of Applicant :(Goedong-dong) 6261, Donghaean-ro, 07/11/2014:07/11/2014Nam-gu, Pohang-si, Gyeongsangbuk-do 37859, Republic of Korea:Republic of KoreaRepublic of Korea(72)Name of Inventor : :NA1)KO, Chang Kuk:NA2)SHIN, Myoung Kyun:NA3)CHOI, Jong-Min:NA4)LEE, Dong-Seuk:NA5)JUNG, Jonghwun |
|--|--|
|--|--|

(57) Abstract :

An emptying standpipe discharging device of molten iron facilities is provided. The emptying standpipe discharging device according to the present invention includes: fluidized-reduction furnaces of a multiple stages reducing a powder iron ore while forming a fluidized bed; a melting gas furnace supplying a reduction gas required for the reduction of the powder ores in the fluidized-reduction furnaces of the multiple stages and formed with a coal packed bed; standpipes respectively connecting the fluidized-reduction furnaces of the multiple stages and including a standpipe control valve for moving the ore and a high temperature reduction gas passing through the fluidized-reduction furnaces of the multiple stages between the fluidized-reduction furnaces; and emptying standpipes installed between the fluidized-reduction furnaces of the multiple stages and sequentially discharging a non-reduction remaining powder iron ore of the fluidized-reduction furnace of the multiple stages from an uppermost fluidized-reduction furnace to a lowermost fluidized-reduction furnace when the fluidized-reduction furnace of the molten iron facilities is idle.

No. of Pages : 26 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : VACCINES FOR HUMAN PAPILLOMA VIRUS AND METHODS FOR USING THE SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :A61K39/12,A61K39/00,C07H21/04 :13/271576 :12/10/2011 :U.S.A. :PCT/US2011/055932 :12/10/2011 | (71)Name of Applicant : 1)THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA Address of Applicant :3160 Chestnut Street Suite 200 Philadelphia PA 19104 6283 U.S.A. (72)Name of Inventor : 1)WEINER David B. 2)YAN Jian |
|--|---|--|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

Improved anti-HPV immunogens and nucleic acid molecules that encode them are disclosed. Immunogens disclosed include those having consensus HPV 6, HPV 11, HPV 33 and HPV58 E6 and E7. Pharmaceutical composition, recombinant vac cines comprising and live attenuated vaccines are disclosed as well methods of inducing an immune response in an individual against HPV are disclosed.

No. of Pages : 47 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND PROCESS FOR FORMING A STRIATED PATTERNED PRODUCT

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :B29C43/24,B29B7/56,B29B7/60 :13/274868 :17/10/2011 :U.S.A. :PCT/US2012/060405 :16/10/2012 :WO 2013/059184 | (71)Name of Applicant : 1)ARMSTRONG WORLD INDUSTRIES INC. Address of Applicant :2500 Columbia Avenue Lancaster PA 17603 U.S.A. (72)Name of Inventor : 1)FRIEDEL Randy A. 2)MILOVICH Edwin George 3)LOVELL Gregory R. 4)WELCH Paul H. |
|---|--|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed is a materials handling system (100) a patterned product and process of fabricating a patterned product. The materials handling system includes an agitation portion (102) having one or more agitators the agitators arranged and disposed to mix colored particles (110) into a substantially uniform distribution. A processing portion (104) includes a receiving portion (116) arranged and disposed to receive the substantially uniform distribution of the colored particles to form a product with a predetermined pattern. The predetermined pattern is a long grained striated or jaspe grained color pattern. The process includes fabricating a product having such a predetermined pattern. The predetermined pattern is through patterned as to include colors and textures distributed uniformly throughout the thickness of the product.

No. of Pages : 21 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : MEASURING SYSTEM AND METHOD FOR MARKING A KNOWN TARGET POINT IN A COORDINATE SYSTEM

| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (80) 2013/045517 (9) 20 | Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :11182875.2 :27/09/2011 :EPO :PCT/EP2012/069009 :26/09/2012 :WO 2013/045517 :NA :NA :NA | 1)KOTZUR Norbert |
|--|--|---|------------------|
|--|--|---|------------------|

(57) Abstract :

The invention relates to a measuring system for marking a known target point (32) in a coordinate system comprising a mobile marking unit (20) and a geodetic measuring device wherein the marking unit (20) is designed in such a way that a marking unit position (21) can be determined highly precisely. The measuring device has at least one sighting unit an angle measurement functionality and a camera for capturing a camera image (12). The measuring system also has a target point position of the target point (32) stored in a database an output unit (11) on which the camera image (12) can be presented and a control and processing unit. The measuring system further has a presentation functionality wherein a spatial deviation between the marking unit position (21) and the target point position is presented graphically on the output unit (11) in a first direction by means of a first deviation display (17) indicates a distance of the target point position from a plane defined by the measuring device and the marking unit (20) and in a second direction by means of a second deviation display (18) indicates a distance of the target point position display (18) indicates a distance of the target point position in the first direction is presented independently of the deviation in the second direction.

No. of Pages : 63 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : AN EXTEND | ED RELEASE PELLET | |
|--|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on | :A61K 31/00 :04019249.4 :13/08/2004 :EPO :PCT/EP05/053609 :25/07/2005 :WO 2006/015943 :NA :NA :NA :1021/DELNP/2007 :07/02/2007 | (71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH Address of Applicant :BINGER STRASSE 173, 55216 INGELHEIM, GERMANY Germany (72)Name of Inventor : 1)THOMAS FRIEDL 2)ROLF-STEFAN BRICKL |

(57) Abstract :

An extended release pellet comprising an active ingredient selected from pramipexole and the pharmaceutically acceptable salts thereof, and at least one release-modifying excipient.

No. of Pages : 53 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PACKAGE FOR A UNITARY ARTICLE AND BLANK FOR MANUFACTURING SAID PACKAGE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)GODFREY PHILLIPS INDIA LIMITED Address of Applicant :CORPORATE OFFICE, 49, COMMUNITY CENTRE, FRIENDS COLONY, NEW DELHI- 110025, INDIA. Delhi India (72)Name of Inventor : 1)C. RAJA SHEKAR |
|--|---|--|
| (61) Patent of Addition to Application NumberFiling Date(62) Divisional to Application Number | :NA :NA :NA | 1)U. KAJA SHEKAK |
| Filing Date | :NA :NA | |

(57) Abstract :

The present invention discloses a unitary pack for several articles that is easily retrievable and blanks for manufacturing such a pack.

No. of Pages : 46 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

:C09D5/28, (71)Name of Applicant : (51) International classification C09D125/14 1)Colgate-Palmolive Company (31) Priority Document No Address of Applicant :300 Park Avenue, New York, New :NA York 10022, USA U.S.A. (32) Priority Date :NA (33) Name of priority country (72)Name of Inventor: :NA (86) International Application No :NA **1)POTNIS Shashank** Filing Date :NA 2)KAMATH Shridhara (87) International Publication No : NA **3)SIRDESAI Amit** (61) Patent of Addition to Application Number :NA 4)LAPSIA Jigna Filing Date :NA 5)PLATA Rolando (62) Divisional to Application Number **6)BHANSALI Maya** :NA Filing Date :NA

(54) Title of the invention : USE OF BENZYL ALCOHOL AS A DEFOAMING AGENT

(57) Abstract :

Use of benzyl alcohol as a defoaming agent and an antimicrobial agent in an oral care composition including a surfactant. Also described is a method of manufacturing an oral care composition including forming an oral care base composition, subsequently combining the oral care base composition with a defoaming agent and at least one surfactant to form the oral care composition; and defoaming the oral care composition. The surfactant is combined with the oral care base composition no later than the defoaming agent. The defoaming agent is benzyl alcohol.

No. of Pages : 40 No. of Claims : 48

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 13/05/2016

| (54) Title of the invention : "GUIDANCE DEVICE" | | |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F42B 10/14 :0919965.4 :13/11/2009 :U.K. :PCT/GB210/051879 :11/11/2010 :WO 2011/058359 :NA :NA :NA :NA | (71)Name of Applicant : 1)BAE SYSTEM PLC Address of Applicant :6 CARLTON GARDENS, LONDON SW1Y 5AD, U.K. U.K. (72)Name of Inventor : 1)RICHARD DESMOND JOSEPH AXFORD 2)KEVIN WILLIAM BEGGS |

(57) Abstract :

There is disclosed a collar (100) which may be attached to a munition in order to control the trajectory of the muni \hat{A} -tion. The collar (100) has a collar body (10); a surface (12) for capturing the projectile as it leaves the barrel; a sill (14) for sup-porting the surface (12) at the muzzle of the barrel; and a guidance means (20a, 20b, 21a, 21b) for altering the flow of air around collar (100). The collar (100) supports itself at the muzzle and may attach to the projectile at the surface (12) to integrate with the projectile as the projectile b fired. The collar (100) is particularly suited for attachment to mortar rounds. Such a collar (100) gives a weapon operator the option of increasing the precision of a munition without having to carry a plurality of munition types.

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

(19) INDIA

(22) Date of filing of Application :03/02/2006

(43) Publication Date : 13/05/2016

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF MODIFIED SOY FLOUR HAVING LOW TRYPSIN INHIBITOR ACTIVITY AND GOOD FUNCTIONAL PROPERTIES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | 1/20 | (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA. Delhi India (72)Name of Inventor : 1)C. RADHA 2)V. PRAKASH |
|---|------|--|
| Filing Date | :NA | |
| | | |

(57) Abstract :

A process for producing a modified soy flour by (1) toasting of soy flour for trypsin inhibitor inactivation (ii) controlled enzymatic modification of an aqueous solution of the toasted soy flour. The inventive method provides a modified soy flour with good solubility and excellent emulsifying capacity.

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

(19) INDIA

(22) Date of filing of Application :30/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ELECTRICAL ENCLOSURE OPERATING MECHANISM HOUSING AN EXTERNAL ANTENNA

| (51) International classification | :H01Q1/24 | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :14/534,544 | 1)SCHNEIDER ELECTRIC USA, INC. |
| (32) Priority Date | :06/11/2014 | Address of Applicant :1415 South Roselle Rd., Palatine, IL |
| (33) Name of priority country | :U.S.A. | 60067, United States of America U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Alan FREEMAN |
| (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 operating mechanism is provided for an electrical enclosure. The operating mechanism includes a switch operator, and a housing to house the switch operator. The switch operator includes a portion which extends through one of one or more holes in the electrical enclosure, and can be manipulated by an external handle to operate an electrical switching device, such as a circuit breaker, that is housed in the electrical enclosure. The housing includes a cavity to house and protect an external antenna or other electrical device, which is connectable to an electrical cable that extends from the cavity into an interior of the electrical enclosure via the hole(s). The electrical cable can be connected to a monitoring system inside of the electrical enclosure. The housing is mountable onto an exterior surface of a wall of the electrical enclosure to cover the hole(s).

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

(19) INDIA

(22) Date of filing of Application :30/10/2015

(43) Publication Date : 13/05/2016

| (54) Little of the invention : SYSTEMS AND METHODS FOR BATTERY MANAGEMENT | | |
|---|-------------|--|
| | | |
| (51) International classification | :G06F19/00 | (71)Name of Applicant : |
| (31) Priority Document No | :14/536,281 | 1)SCHNEIDER ELECTRIC IT CORPORATION |
| (32) Priority Date | :07/11/2014 | Address of Applicant :132 Fairgrounds Road, West Kingston, |
| (33) Name of priority country | :U.S.A. | Rhode Island 02892, United States of America U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Lynn Ernest Schultz |
| (87) International Publication No | : NA | 2)Vishwas Mohaniraj Deokar |
| (61) Patent of Addition to Application Number | :NA | 3)Kevin E. White |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : SYSTEMS AND METHODS FOR BATTERY MANAGEMENT

(57) Abstract :

According to at least one embodiment, an uninterruptible power supply (UPS) is provided. The UPS includes a first input configured to couple to a primary power source to receive primary power; a power bus coupled to a plurality of battery modules to receive backup power; an output operatively coupled to the first input and the power bus to selectively provide, from at least one of the primary power source and the plurality of battery modules, uninterruptible power to a load; and a charge bus coupled to the plurality of battery modules to provide power to the plurality of battery modules. The UPS is configured to detect at least one battery module of the plurality of battery modules has reached a charging threshold and discontinue charging of the at least one battery module in response to detecting the at least one battery module has reached the charging threshold. According to at least one embodiment, an uninterruptible power supply (UPS) is provided. The UPS includes a first input configured to couple to a primary power source to receive primary power; a power bus coupled to a plurality of battery modules to receive back-up power; an output operatively coupled to the first input and the power bus to selectively provide, from at least one of the primary power source and the plurality of battery modules, uninterruptible power to a load; and a charge bus coupled to the plurality of battery modules to provide power to the plurality of battery modules. The UPS is configured to detect at least one of the primary power source and the plurality of battery modules, uninterruptible power to a load; and a charge bus coupled to the plurality of battery modules to provide power to the plurality of battery modules. The UPS is configured to detect at least one battery module of the plurality of battery modules has reached a charging threshold and discontinue charging of the at least one battery module in response to detecting the at least one battery module has reached the charging threshold.

No. of Pages : 32 No. of Claims : 20

(22) Date of filing of Application :11/05/2012

(43) Publication Date : 13/05/2016

| (34) The of the invention : UAV STSTE | EM AND METHOD | |
|---|--------------------|--|
| | | |
| (51) International classification | :B64F 1/04 | (71)Name of Applicant : |
| (31) Priority Document No | :201681 | 1)ISRAEL AEROSPACE INDUSTRIES LTD. |
| (32) Priority Date | :22/10/2009 | Address of Applicant :BEN GURION INTERNATIONAL |
| (33) Name of priority country | :Israel | AIRPORT, 70100 LOD, ISRAEL Israel |
| (86) International Application No | :PCT/IL2010/000857 | (72)Name of Inventor : |
| Filing Date | :19/10/2010 | 1)ABERSHITZ, ABRAHAM |
| (87) International Publication No | :PCT/IL2010/000857 | 2)HAMMEL, DAVID |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : "UAV SYSTEM AND METHOD"

(57) Abstract :

A system is provided for guarding a perimeter, including a control center, a launch system, a controller and a communication system. The control center is configured for generating a control signal responsive to receiving infiltration information of an actual or suspected infiltration at a target zone associated with the perimeter by one or more infiltration agents. The launch system is configured for deploying one or more ready-to-launch UAV"s to the target zone responsive to receiving the control signal from the control center. The controller is configured for operating the launched UAV(s) to home onto at least one such infiltration agent. The controller is also configured for identifying the nature of the infiltration agent or the nature of infiltration; and/or for tracking the infiltration agent or the nature of infiltration, and/or for providing location data corresponding to the location of the infiltration agent being tracked by the UAV"s to enable neutralization thereof. A corresponding method for guarding a perimeter is also provided.

No. of Pages : 41 No. of Claims : 43

(19) INDIA

(22) Date of filing of Application :03/02/2006

(43) Publication Date : 13/05/2016

(54) Title of the invention : "A PROCESS FOR THE PRODUCTION OF CONTAMINANTS FREE ALGAL BIOMASS OF HAEMATOCOCCUS"

| (71)Name of Applicant : |
|--|
| 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL |
| |
| RESEARCH. |
| Address of Applicant : ANUSANDHAN BHAWAN, RAFI |
| MARG, NEW DLEHI-110 001, INDIA. Delhi India |
| (72)Name of Inventor : |
| 1)RAMAN VIDHYAVATHI |
| 2)RAVI SARADA |
| 3)SANDESH KAMATH BURDE |
| 4)GOKARE ASWATHANARAYANA RAVISHANKAR |
| |
| |
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(57) Abstract :

This invention relates to a method for production of contaminants free algal biomass-Haematococcus. The biomass thus obtained will be useful for food, feed and products. Haematococcus is one of the promising source of a ketocarotenoid, astaxanthin which is used as pigmentation source in aquaculture, poultry industries as well as for nutraceutical and pharmaceutical applications. Mass production of Haematococcus involves initial growth in indoor conditions and secondary carotenoid accumulating phase in outdoor ponds. During outdoor cultivation it is contaminated with microbes as the culture pH is around neutral (7-8). Control of contamination at the culture level is difficult as this requires more quantities of antimicrobial agents which may influence the algal growth and metabolite production. Moreover the algae may absorb these antimicrobial compounds which will not be permitted for food and feed applications. Therefore this invention is focused on a method for production of contaminants free algal biomass, so that harvested biomass can be free from contaminants and used for food / feed purposes directly.

No. of Pages : 16 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :28/10/2015

(43) Publication Date : 13/05/2016

(57) Abstract :

A transport device (10) for transporting a cargo item (11), in particular for transporting a driven unit of a printing press, with a transport frame (12), from which the cargo item (11) to be transported can be suspended at least with spring elements (18) in such a manner, that the weight of the cargo item (11) to be transported supports itself on the transport frame (12), wherein the transport frame (12) comprises at least one U-shaped support frame (13, 14) with support legs (15) running in parallel and a support arm (16) extending between the support legs (15), wherein the or each support frame (13, 14) via ends of the support legs (15) facing away from the respective support arm (16) can be placed on a load surface (17), wherein the cargo item (11) to be transported can be suspended from the support arm (16) of the respective support frame (1.3, 14) with first spring elements (18), which act on the support arm (16) of the or each support frame (11) to be transported can be stabilised with second spring elements (19), which act on the load surface (17) and/or on a base plate (17") and/or an at least one support frame (13, 14).

No. of Pages : 13 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITION AND FORMULATION COMPRISING RECOMBINANT HUMAN IDURONATE 2 SULFATASE AND PREPARATION METHOD THEREOF

| (51) International classification | :A61K38/46,A61K38/17,A61P31/12 | (71)Name of Applicant : 1)GREEN CROSS CORPORATION |
|-----------------------------------|--------------------------------|--|
| (31) Priority Document No | :61/500994 | Address of Applicant :107Ihyeon ro 30beon gil Giheung gu |
| (32) Priority Date | :24/06/2011 | Yongin si Gyeonggi do 446 855 Republic of Korea |
| (33) Name of priority countr | y:U.S.A. | 2)MEDIGENEBIO CORPORATION |
| (86) International | :PCT/KR2012/004734 | (72)Name of Inventor : |
| Application No | | 1)JIN Thong Gyu |
| Filing Date | :15/06/2012 | 2)CHUNG Yo Kyung |
| (87) International Publication | WO 2012/177020 | 3)PAIK Sang Hoon |
| No | :WO 2012/17/020 | 4)PARK Yoo Chang |
| (61) Patent of Addition to | NT A | 5)SEO Jinwook |
| Application Number | :NA | 6)CHOI Yong Woon |
| Filing Date | :NA | 7)SON Jong Mun |
| (62) Divisional to | NT 4 | 8)KIM Yong Chul |
| Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is a composition comprising recombinant iduronate 2 sulfatase (IDS). The glycosylation pattern and formylglycine content of the IDS composition are different from those of Elaprase and have superior pharmaceutical efficacy and are safer than the conventional agent and thus can be effectively used for the therapy of Hunter syndrome.

No. of Pages : 51 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : MICROFLUIDIC PROCESSING OF TARGET SPECIES IN FERROFLUIDS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G01N35/08,G01N33/483,G01N27/327 :61/407738 :28/10/2010 :U.S.A. :PCT/US2011/039516 :07/06/2011 :WO 2012/057878 ':NA :NA :NA | (71)Name of Applicant : 1)YALE UNIVERSITY Address of Applicant :Two Whitney Avenue New Haven CT (6511 U.S.A. (72)Name of Inventor : 1)KOSER Hur |
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|--|--|--|

(57) Abstract :

Disclosed are systems devices methods and other implementations including a device to detect at least one target species in a sample with the device including a microfluidic channel configured to receive the sample containing the at least one target species and a biocompatible ferrofluid in which the at least one target species is suspended a detector to determine the at least one target species in the sample and at least two of electrodes positioned proximate the microfluidic channel the at least two electrodes configured to generate controllable magnetic forces in the sample containing the ferrofluid when a controllable at least one target species to be directed towards the detector. Also disclosed are devices for separating target species in a ferrofluid and for focusing target species suspended in a ferrofluid.

No. of Pages : 120 No. of Claims : 55

(19) INDIA

(22) Date of filing of Application :23/04/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :G06F15/173 :61/389547 :04/10/2010 :U.S.A. :PCT/US2011/054820 :04/10/2011 :WO 2012/047932 :NA :NA | (71)Name of Applicant : 1)HEADWATER PARTNERS I LLC Address of Applicant :350 Marine Parkway Suite 300 Redwood City CA 94065 U.S.A. (72)Name of Inventor : 1)RALEIGH Gregory G. 2)RAISSINIA Alireza 3)LAVINE James 4)GREEN Jeffrey |
|---|---|--|
| | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING USER NOTIFICATIONS

(57) Abstract :

Various embodiments are disclosed for user notifications for device assisted services (DAS). A process for notification includes storing on an end user device notification actions corresponding to notification requests the end user device being associated with a service plan having a limit on usage of network services; performing a device action that reflects a past or intended use of the network services; receiving by the end user device notification requests from a network element in response to the device action; performing by the end user device notification actions in response to the notification requests the notification actions causing the end user device to retrieve at least a portion of a notification message associated with a status of the use the at least a portion of the notification message being separate from the notification requests; and presenting the notification message on a user interface of the end user device.

No. of Pages : 226 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : STORAGE STABLE LIQUID WASHING OR CLEANING AGENT CONTAINING PROTEASE AND AMYLASE

| Number (NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA | (62) Divisional to Application Number | :102010063458.1 :17/12/2010 :Germany :PCT/EP2011/072511 :13/12/2011 :WO 2012/080202 :NA :NA :NA | (71)Name of Applicant : 1)BASF SE Address of Applicant :75056 LUDWIGSHAFEN, GERMANY Germany (72)Name of Inventor : 1)WIELAND Susanne 2)MAURER Karl Heinz 3)OCONNELL Timothy 4)HELLMUTH Hendrik |
|--|---------------------------------------|---|---|
|--|---------------------------------------|---|---|

(57) Abstract :

According to the invention storage stability in terms of amylolytic activity is to be improved in a liquid washing or cleaning agent which comprises a protease and amylase. This is achieved by the use of a protease which comprises an amino acid sequence which is at least 80% identical to the amino acid sequence specified in SEQ ID NO. 1 and which has the amino acid glutamic acid (E) or aspartic acid (D) or the amino acid asparagine (N) or glutamine (Q) or the amino acid alanine (A) or glycine (G) or serine (S) at position 99 in the count according to SEQ ID NO. 1.

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

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOUNDS USEFUL AS MODULATORS OF TRPM8

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D409/12,C07D413/12,C07D409/14 :61/410634 :05/11/2010 :U.S.A. :PCT/US2011/059312 :04/11/2011 :WO 2012/061698 ^{to} :NA :NA :NA | (71)Name of Applicant : 1)SENOMYX INC. Address of Applicant :4767 Nexus Centre Drive San Diego California 92121 U.S.A. (72)Name of Inventor : 1)PRIEST Chad 2)NONCOVICH Alain 3)PATRON Andrew 4)UNG Jane |
|---|--|--|
|---|--|--|

(57) Abstract :

The present invention includes compounds useful as modulators of TRPM8 such as compounds of Formula (I) and the subgenus and species thereof; personal products containing those compounds; and the use of those compounds and the personal products particularly the use of increasing or inducing chemesthetic sensations such as cooling or cold sensations.

No. of Pages : 164 No. of Claims : 40

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NAVIGATION APPARATUS AND METHOD

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :G08G1/01,G01C21/26,G01C21/34 :1018815.9 :08/11/2010 :U.K. :PCT/EP2011/069655 :08/11/2011 :WO 2012/062760 :NA :NA | (71)Name of Applicant : 1)TOMTOM DEVELOPMENT GERMANY GMBH Address of Applicant :Maximilianallee 4 D 04129 Leipzig Germany (72)Name of Inventor : 1)FULGER Daniel 2)MIETH Peter 3)WIESNER Steffen Gunther |
|--|---|---|
| (62) Divisional to Application | :NA :NA | |

(57) Abstract :

A navigation apparatus (200) comprises a processing resource (260) configured to: determine a route to a selected destination; obtain weather related data; and modify speed data for a plurality of route segments in dependence on the weather related data. For each route there is a respective classifier that classifies the road type for the route segment and the processing resource is configured to modify the speed data for each route segment based on the weather related data and the road type represented by the classifier for that route segment.

No. of Pages : 44 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :A61K35/12 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/413892 | 1)LEE Jau nan |
| (32) Priority Date | :15/11/2010 | Address of Applicant :No. 1 Nan Shin Chen Street Kaohsiung |
| (33) Name of priority country | :U.S.A. | Taiwan |
| (86) International Application No | :PCT/US2011/060868 | 2)LEE Tony Tung ying |
| Filing Date | :15/11/2011 | 3)LEE Yuta |
| (87) International Publication No | :WO 2012/068170 | 4)TSAI Eing mei |
| (61) Patent of Addition to Application | :NA | (72)Name of Inventor : |
| Number | :NA :NA | 1)LEE Jau nan |
| Filing Date | .117 | 2)LEE Tony Tung ying |
| (62) Divisional to Application Number | :NA | 3)LEE Yuta |
| Filing Date | :NA | 4)TSAI Eing mei |

(54) Title of the invention : GENERATION OF NEURAL STEM CELLS FROM HUMAN TROPHOBLAST STEM CELLS

(57) Abstract :

Provided herein are isolated neural stem cells. Also provided are methods for treatment of neurodegenerative diseases using suitable preparations comprising the isolated neural stem cells. In one embodiment, an isolated neural stem cell described herein expresses transcripts for one or more of caudal type homeobox 2 (Cdx2), Nanog homeobox, nestin, octamer-binding transcription factor 4(Oct-4), neurofilament, neurogenin-3 (Ngn3), neomycin-deleted gene (Neo-D), microtubuie-associated protein -2 (MAP-2), CD133, retinoic acid receptor beta (RARJ3), retinoid X receptor alpha (RXRa), retinoid X receptor beta (RXRJ3), cellular retinoic acid binding protein 2 (CRABP-2), cellular retinol binding protein 1 (CRBP-I), retinaldehyde dehydrogenase 2 (RALDH-2) or retinaldehyde dehydrogenase 3 (RALDH-3).

No. of Pages : 155 No. of Claims : 185

(19) INDIA

(22) Date of filing of Application :30/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD AND PROGRAM

(57) Abstract :

An image processing device combines an image of a medium exposed to visible light and an image of the medium exposed to ultraviolet light so that parts printed with UV ink can be easily identified. A control device 7 (image processing device) has an image acquisition unit 45 that drives an image sensor 16 and acquires a first image Gl by imaging the face 2a of a check 2 when exposed to a visible first light, and acquires a second image G2 by imaging the face 2a of the check 2 when exposed to an ultraviolet second light; a reverse image generating unit 61 that generates a reversed second image 12 by reversing light and dark in the second image G2; and a second synthesizing unit 62 that generates a second synthesized image 12 by combining the first image Gl and the reversed second image J2. Because the reversed second image J2 that is the reverse of the second image G2 becomes an image that is light overall, a drop in the luminance and a drop in the contrast of the first synthesized image II can be suppressed, and parts printed with UV ink are easily discerned.

No. of Pages : 38 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SINGLE DOSE SPRAY DISCHARGER | | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/EP2011/068313 :20/10/2011 :WO 2012/052503 :NA :NA | (71)Name of Applicant : 1)ING. ERICH PFEIFFER GMBH Address of Applicant :Â-schlestrasse 54 56 78315 Radolfzell Germany (72)Name of Inventor : 1)WOCHELE Matthias |

(57) Abstract :

The invention relates to a discharge device (10) for a medium (62, 62"), stored in a reservoir (60, 60"), the device having a discharge opening (26) through which the medium can be given off to an environment, and having an outlet channel (75, 76, 76") for the transport of the medium from the medium reservoir (60, 60") to the discharge opening (26). Furthermore the discharge device (10) comprises a base (20); the medium reservoir (60) is provided as an cavity (70) open to a top side (22) of the base (20); the open side of the cavity (70) is closed by a deformable film (50); an actuation unit (40) movable in relation to the base (20) is provided with a punch section (44), and; the actuation unit (40) is movable such that by a displacement of the actuation unit (40) in relation to the base (20) the punch section (44) can insert into the cavity, to force the medium (62) in the medium reservoir (60) to the discharge opening (26).

No. of Pages : 41 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SEALING MEMBER AND FLUID PRODUCT DISPENSER INCLUDING SUCH A MEMBER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B65D47/08,B65D75/58 :1058599 :21/10/2010 :France :PCT/FR2011/052434 :18/10/2011 :WO 2012/052678 :NA :NA :NA :NA | (71)Name of Applicant : 1)APTAR FRANCE SAS Address of Applicant :BP G, Le Prieuré, F-271 10 Le Neubourg France (72)Name of Inventor : 1)PIERRE Christophe |
|---|--|--|
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(57) Abstract :

The invention relates to a sealing member (C) intended for being mounted on an opening (31) of a fluid product container (P) said member including; a basic body (1) forming an opening for dispensing the fluid product (17) a mounting part (20) in which the basic body (1) is received in a stationary manner and a plugging lid (25) intended for plugging the dispensing opening (17) the lid (25) being connected to the mounting part by a hinge (26) the lid (25) and the part (20) being produced as one piece the lid (25) being initially connected to the mounting part (20) by at least one bridge of material (28) that can break before opening the lid for the first time characterised in that the basic body (1) lies entirely inside the mounting part (20).

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD OF TREATING NEUROLOGICAL CONDITIONS WITH EXTRACT OF NERIUM SPECIES OR THEVETIA SPECIES

(57) Abstract :

A method of treating neurological condition in a subject by administration of an extract or fraction or sub fraction thereof of Nerium species or Thevetia species is provided wherein the extract or fraction or sub fraction thereof excludes oleandrin and neriifolin. Alzheimer s disease Huntington s disease or stroke are treated by administering a therapeutically effective amount of the extract or a fraction or sub fraction thereof to a subject. The extract can be present in a pharmaceutical composition.

No. of Pages : 79 No. of Claims : 44

(19) INDIA

(22) Date of filing of Application :08/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A BREATHABLE AND CUSTOMIZED CAST FOR IMMOBILIZATION OF FRACTURED LIMB

| (51) International classification | :A61F5/00 | (71)Name of Applicant : |
|---|-----------|--|
| (31) Priority Document No | :NA | 1)THE SECRETARY, DEPARTMENT OF |
| (32) Priority Date | :NA | BIOTECHNOLOGY |
| (33) Name of priority country | :NA | Address of Applicant : Ministry of Science & Technology |
| (86) International Application No | :NA | Government of India, C.G.O. Complex, Lodhi Road, New Delhi |
| Filing Date | :NA | – 110003, India Delhi India |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)CHHATRALA, Pankaj, Kumar, K. |
| Filing Date | :NA | 2)JAMDADE, Nikhil, Kailas |
| (62) Divisional to Application Number | :NA | 3)SAKSENA, Devanshi |
| Filing Date | :NA | 4)GARG, Bhavuk |

(57) Abstract :

The present invention provides a breathable orthopedic cast device for immobilizing and stabilizing at least one fracture limb. The breathable orthopedic cast device comprising: a customizable cast member having hollow tubes pre-injected with at least one infusion material, said hollow tubes interlinked with each other to form a mesh structure to provide breathability to said fracture limb. The breathable orthopedic cast device either a flat unfolded geometry that can be applied over said injured body member by wrapping, or can be customized to a shape corresponding to the contours of the body member and thereby wearable like a glove over said injured body member.

No. of Pages : 26 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :21/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : POWER CONVERTER CONTROLLER WITH ANALOG CONTROLLED VARIABLE CURRENT CIRCUIT

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :H03M1/66 :62/077,069 :07/11/2014 :U.S.A. | , |
|--|--|---|
| (86) International Application No Filing Date | :NA :NA :NA | (72)Name of Inventor :1)Ricardo Luis Janezic Pregitzer |
| (87) International Publication No(61) Patent of Addition to Application Number Filing Date | : NA :NA :NA | 2)Mingming Mao 3)Tiziano Pastore 4)Michael Yue Zhang |
| (62) Divisional to Application Number Filing Date | :NA :NA | 5)Yury Gaknoki |

(57) Abstract :

A bleeder controller for controlling a magnitude of a variable current conducted by bleeder circuitry between input terminals of a device is disclosed. The magnitude of the variable current is controllable in response to a control signal. The bleeder controller includes a dimming detector to classify a half line cycle as leading-edge-dimmed or a trailing-edge-dimmed in response to at least one of an input current sense signal and an input voltage sense signal.

No. of Pages : 78 No. of Claims : 23

(22) Date of filing of Application :19/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND APPARATUS INCLUDING ARCHITECTURE FOR PROTECTING SENSITIVE CODE AND DATA

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :G06F21/00 :61/405045 :20/10/2010 :U.S.A. :PCT/US2011/056895 :19/10/2011 :WO 2012/054609 :NA | (71)Name of Applicant : 1)ADVANCED MICRO DEVICES INC. Address of Applicant :One AMD Place Sunnyvale California 94085 U.S.A. (72)Name of Inventor : 1)WONG Daniel W. |
|---|---|---|
| | | |
| Number Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A secure execution environment for execution of sensitive code and data including a secure asset management unit (SAMU) is described. The SAMU provides a secure execution environment to run sensitive code for example code associated with copy protection schemes established for content consumption. The SAMU architecture allows for hardware based secure boot and memory protection and provides on demand code execution for code provided by a host processor. The SAMU may boot from an encrypted and signed kernel code and execute encrypted signed code. The hardware based security configuration facilitates preventing vertical or horizontal privilege violations.

No. of Pages : 27 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : MODULAR INTERLOCKING CONTAINERS WITH ENHANCED LATERAL CONNECTIVITY FEATURES

| | N B. Everett othy J. |
|--|-------------------------|
|--|-------------------------|

(57) Abstract :

Described are devices and containers that are scalable modular and lockable laterally and vertically with other like containers for a variety of applications. A container is formed by a wall attached at first end to a top end section with an openingand attached at a second end by a bottom end section. A container may have one or more of a tongue formed on the wall having and interconnecting mechanism to be received and interlocked by a groove. Vertical interconnectivity is accomplished with mechanisms to stack containers and prevent swivel using a ridge and channel interlocking arrangement.

No. of Pages : 45 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :10/06/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DITERPENE SYNTHASES AND METHOD FOR PRODUCING DITERPENOIDS

| (51) International classification | n:C12N15/60,C12N9/88,C12P41/00 | (71)Name of Applicant : |
|---|--------------------------------|---|
| (31) Priority Document No | :61/562280 | 1)THE UNIVERSITY OF BRITISH COLUMBIA |
| (32) Priority Date | :21/11/2011 | Address of Applicant :#103 6190 Agronomy Road Vancouver |
| (33) Name of priority country | :U.S.A. | British Columbia V6T 1Z3 Canada |
| (86) International Application | :PCT/CA2012/050837 | (72)Name of Inventor : |
| No | :21/11/2012 | 1)BOHLMANN Joerg |
| Filing Date | | 2)ZERBE Philipp |
| (87) International Publication No | :WO 2013/075239 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided herein are diterpene synthases (diTPS) and methods for producing diterpenoids. Also provided herein are nucleic acid sequences encoding diTPS diTPS amino acid sequences diTPS proteins vectors cells transgenic organisms uses compositions methods processes and kits thereof.

No. of Pages : 173 No. of Claims : 90

(19) INDIA

(22) Date of filing of Application :19/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FORMING OF CONSOLIDATION REGIONS IN A WEB AND A WEB COMPRISING SUCH REGIONS

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application | :1016533.0 :01/10/2010 :U.K. | (71)Name of Applicant : 1)CONCEPTS FOR SUCCESS (C4S) Address of Applicant :Dr. Lieser Str. 2 53881 Euskirchen Stotzheim Germany (72)Name of Inventor : 1)SCHMITZ Christoph |
|--|------------------------------------|---|
| (87) International Publication | :WO 2012/042055 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to ApplicationNumberFiling Date | NA NA | |

(57) Abstract :

The present invention relates to apparatus and methods for thermally treating webs which comprise thermoplastic respectively meltable compounds thereby creating cylindrical or elliptic consolidation regions which may optionally comprise an aperture by employing a thermal energy source such as ultrasonic energy as well as to webs comprising elliptic consolidation regions. In a particular aspect the invention concerns apparatus and methods for creating the consolidation regions by using an anvil with a flexible elongated member such as a wire a chain or a tubular anvil with circumferential ribs.

No. of Pages : 49 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NON REDUCING END MODIFIED GLUCAN METHOD FOR PRODUCING SAME AND USE THEREOF

| classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/JP2011/006224 :07/11/2011 :WO 2012/060111 :NA :NA | (71)Name of Applicant : 1)EZAKI GLICO CO. LTD. Address of Applicant :6 5 Utajima 4 chome Nishiyodogawa ku Osaka shi Osaka 5558502 Japan (72)Name of Inventor : 1)TAKAHA Takeshi 2)YANASE Michiyo 3)KUBO Akiko 4)SAMBE Haruyo 5)KAKUTANI Ryo |
|--|--|--|
| Filing Date (62) Divisional to Application Number | | |

(57) Abstract :

The purpose of the invention is to provide a glucan containing at least one residue selected from an N-acetylglucosamine residue and a galactose residue, and a modified product thereof. A branched glucan according to the invention is a branched glucan in which at least one residue selected from an N-acetylglucosamine residue and a galactose residue is linked via an α -1,4-linkage to each of two or more non-reducing ends among a plurality of non-reducing ends of a branched α -1,4-glucan, and at positions other than the non-reducing ends of the branched α -1,4-glucan, either of an N-acetylglucosamine residue or a galactose residue is not present.

No. of Pages : 168 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYLACTIC ACID RESIN PREPARATION METHOD THEREOF AND PACKAGING FILM COMPRISING SAME

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :PCT/KR2011/008307 :02/11/2011 :WO 2012/064043 :NA :NA :NA | (71)Name of Applicant : SK CHEMICALS CO. LTD. Address of Applicant :600 Jeongja 1 dong Jangan ku Suwon city Kyungki do 440 301 Republic of Korea (72)Name of Inventor : YOO Young Man LEE Tae Woong LEE Kye Yune CHUNG Jae II |
|---|---|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a polylactic acid resin and a packaging film comprising the same, wherein the polylactic acid resin is useful as a packaging material due to excellent properties including heat resistance as well as optimized flexibility. The polylactic acid resin comprises: a hard segment including a predetermined polylactic acid repeating unit; and a soft segment including a polyurethane polyol repeating unit in which certain polyether-based polyol repeating units are linearly connected in a medium of a urethane bond. In addition, the polylactic acid resin has a glass transition temperature (Tg) of 25-55°C.

No. of Pages : 47 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TRANSDERMAL THERAPEUTIC SYSTEM FOR ADMINISTERING AN ACTIVE SUBSTANCE

(51) International classification :A61K31/27,A61K9/00,A61K9/70 (71)Name of Applicant : (31) Priority Document No. :10194968 3 (71)Name of Applicant :

| (31) Priority Document No | :10194968.3 | I)ACINO AG |
|---|-----------------------------------|---|
| (32) Priority Date | :14/12/2010 | Address of Applicant : Am Windfeld 35 83714 Miesbach |
| (33) Name of priority country | :EPO | Germany |
| (86) International Application No Filing Date | :PCT/EP2011/072812 :14/12/2011 | (72)Name of Inventor :1)LANGER Britta2)SCHURAD Bjoern |
| (87) International Publication No | :WO 2012/080365 | 3)PRINZ Heike |
| (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 relates to a transdermal therapeutic system for administering an active substance through the skin said system being suitable for an application period of at least three days comprising the layers arranged in the following order with respect to each other: a) a cover layer b) an active substance layer comprising a polymer matrix containing the active substance c) an adhesive layer comprising a contact adhesive which consists of a mixture of one or more polyisobutylenes and one or more polybutenes and d) a pull off layer.

No. of Pages : 55 No. of Claims : 61

(19) INDIA

(22) Date of filing of Application :28/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS AND SYSTEMS FOR MAINTAINING A HIGH VACUUM IN A VACUUM ENCLOSURE

| (51) International classification | :F04C23/00,F04C29/00,F1/C13/08 | (71)Name of Applicant : 1)GE ENERGY POWER CONVERSION TECHNOLOGY |
|---|--------------------------------|---|
| (31) Priority Document No | :10015125.7 | LTD. |
| (32) Priority Date | :30/11/2010 | Address of Applicant :Boughton Road Rugby Warwickshire |
| (33) Name of priority country | :EPO | CV21 1BU U.K. |
| (86) International Application No Filing Date | | (72)Name of Inventor :1)INGLES Martin Richard2)FAIR Ruben |
| (87) International Publication No | :WO 2012/072478 | 3)EUGENE Joseph |
| (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 provides a system (1) for maintaining a high vacuum in a vacuum enclosure such as cryostat (2) for example. The system includes a high vacuum pump (3) having an input (6) that is connected to the cryostat (2) and an output (8). A vacuum vessel (4) is connected to the output (8) of the high vacuum pump (3). A second vacuum pump (5) is connectable to the vacuum vessel (4). The system is operated such that the high vacuum pump (3) maintains the cryostat (2) at a high vacuum and the second vacuum pump (5) is periodically operated to maintain the pressure of the vacuum vessel (4) below a threshold pressure. The second vacuum pump (5) may be either permanently connected to or removable from the vacuum vessel (4). The vacuum vessel (4) acts to maintain the output (8) of the high vacuum pump (3) within a suitable pressure range. This removes the need for the output of the high vacuum pump (3) to be connected to a continuously operating second stage vacuum pump. Furthermore the second vacuum pump (5) is only required to be operated periodically in order to maintain the pressure in the vacuum vessel (4) below the threshold pressure.

No. of Pages : 16 No. of Claims : 24

(22) Date of filing of Application :03/02/2006

(54) Title of the invention : "A PROCESS FOR THE PREPARATION OF A MULTI FUNCTIONAL PEPTIDE MIX FROM BOVINE KAPPA CASEIN"

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :A61K 38/04 :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110 001, INDIA. Delhi India (72)Name of Inventor : 1)PURNIMA KALU TIKU 2)GAJENDRA SANNAMADA NAIK |
|---|--|---|
| 0 | | |
| (87) International Publication No | :NA | 2)GAJENDRA SANNAMADA NAIK |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)VISHWESHWARAIAH PRAKASH |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A peptide preparation has been obtained starting from defatted milk, which has bioactive peptides. K-Casein was prepared from bovine casein milk by acidified urea and ammonium sulphate precipitation. The K-casein obtained was subjected to dialysis and lyophilization and further used for hydrolysis using 1-2% fungal protease. The degree of hydrolysis of the protein hydrolysate was 26-28% and subjected to separation using size exclusion chromatography and finally by RP-HPLC. The molecular weight of the peptide fraction lies in the range of 1000-2000 Daltons. The obtained peptide fraction had ACE inhibition, and anti microbial activity.

No. of Pages : 15 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :07/11/2014

(54) Title of the invention : A NOVEL METHOD FOR DISSOLVING PROTEINS WHICH ARE NOT READILY SOLUBLE IN AQUEOUS BUFFER

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :A61K 9/00 :NA :NA :NA | (71)Name of Applicant : 1)AMITY UNIVERSITY Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125, NOIDA-201303, UP, INDIA Uttar Pradesh India (72)Name of Inventor : |
|--|------------------------------------|--|
| (86) International Application No | :NA | 1)A. CHAKRABORTY |
| Filing Date | :NA | 2)P. PATNI |
| (87) International Publication No | : NA | 3)S. S. LAHIRI |
| (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 method for dissolving proteins which are not readily soluble in aqueous buffer at specific range of pH. Application of heat· or great change in pH, cause disruptions and loss of properties of the protein, as revealed by more bands, tailing and smear in gel electrophoresis. We propose a simple method which maintains the properties of casein and also keeps. it dissolved in a wide range of pH. Casein and its hydrolysates have been dissolved in Phosphate buffered saline (PBS) and its pH brought down. An alkaline PBS is made by dissolving PBS in alkaline base. Then casein or casein hydrolysates powder is added to the buffer. The solution, is heated gently and stirred with a glass rod at regular intervals. The sample is then brought to ambient temperature and pH is brought down .bY using acid. While bringing down the pH, care is taken that there proper mixing and there is on accumulation of acid at one single point.

No. of Pages : 7 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :09/06/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PYRIDONE DERIVATIVE AND MEDICINE CONTAINING SAME

| (51) International classification (31) Priority Documen No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :20112/0492 :09/12/2011 :Japan :PCT/JP2012/081735 :07/12/2012 :WO 2013/085016 :NA | (71)Name of Applicant : 1)KAKEN PHARMACEUTICAL CO. LTD. Address of Applicant :28 8 Honkomagome 2 chome Bunkyo ku Tokyo 1138650 Japan (72)Name of Inventor : 1)KAMEI Noriyuki 2)SUMIKAWA Yoshitake 3)KAMIMURA Daigo 4)TODO Shingo 5)YAMADA Takuya 6)TOKUOKA Shota |
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(57) Abstract :

General formula (I): The present invention pertains to: a pyridone derivate or a salt thereof represented by general formula (I); or a medicine containing the pyridone derivative or salt thereof as an active ingredient. [In the formula ring A R,R,R and R are specific groups.]

No. of Pages : 115 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :27/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SOLAR REFLECTIVE COATINGS SYSTEMS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 0:PCT/US2011/058172 | (71)Name of Applicant : 1)PRC DeSoto International Inc. |
|---|--------------------------|---|
| Filing Date (87) International Publication No | :27/10/2011 | Address of Applicant :12780 San Fernando Road Sylmar CA 91342 U.S.A. (72)Name of Inventor : 1)EIBON William E. 2)DILLON Brian |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

Disclosed are infrared reflective coating systems. The coating compositions include an infrared transparent pigment and an infrared reflective pigment.

No. of Pages : 27 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :30/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DUAL VARIABLE DOMAIN IMMUNOGLOBULINS AND USES THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C12P21/08,C07K16/00,A61K39/395 :61/409351 :02/11/2010 :U.S.A. :PCT/US2011/058769 :01/11/2011 :WO 2012/061374 :NA :NA | (71)Name of Applicant : 1)ABBOTT LABORATORIES Address of Applicant :100 Abbott Park Road Abbott Park IL 60064 U.S.A. (72)Name of Inventor : 1)GHAYUR Tariq 2)LIU Junjian 3)GU Jijie 4)HARRIS Maria C. |
|--|---|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Engineered multivalent and multispecific binding proteins methods of making and their uses in the prevention diagnosis and/or treatment of disease are provided.

No. of Pages : 361 No. of Claims : 71

(19) INDIA

(22) Date of filing of Application :30/05/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :F03B13/18 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :TO2010A 000920 | 1)MERCI EXPRESS di DICEMBRINO DARIO |
| (32) Priority Date | :19/11/2010 | Address of Applicant : Via Verdi, 16/A, Frazione Mappano, |
| (33) Name of priority country | :Italy | Caselle Torinese (IT). Italy |
| (86) International Application No | :PCT/IB2011/055221 | (72)Name of Inventor : |
| Filing Date | :21/11/2011 | 1)DICEMBRINO Dario |
| (87) International Publication No | :WO 2012/066521 | 2)ALFARANO Gerardo |
| (61) Patent of Addition to Application | :NA | 3)CAMPANALE Domenico |
| Number | :NA | |
| Filing Date | .11A | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : DEVICE FOR CONVERTING THE POWER OF SEA WAVE MOTION

(57) Abstract :

A device for converting wave motion power having a float (5) which in use is vertically movable in response to the wave motion; the motion is transmitted to an input shaft (19) which rotates with reciprocating rotary motion and is connected to an output shaft (2) by way of a transmission unit (20); the transmission unit transfers torque from said input shaft (19) to the output shaft (2) along two torque paths (21, 22) and has two freewheels (23, 24) being arranged respectively along the two paths (21, 22) and are configured so as to make the rotation of said output shaft (2) unidirectional independently of the rotation direction of said input shaft (19).

No. of Pages : 20 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :13/05/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :G01T 1/164 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1118943.8 | 1)JOHNSON MATTHEY PUBLIC LIMITED COMPANY |
| (32) Priority Date | :02/11/2011 | Address of Applicant :5TH FLOOR, 25 FARRINGDON |
| (33) Name of priority country | :U.K. | STREET, LONDON EC4A 4AB (GB) U.K. |
| (86) International Application No | :PCT/GB2012/052737 | (72)Name of Inventor : |
| Filing Date | :02/11/2012 | 1)BOWDON, CHRISTOPHER |
| (87) International Publication No | :WO 2013/064838 | 2)FEATONBY, Paul David |
| (61) Patent of Addition to Application | :NA | 3)HOWSTAN, James Stephen |
| Number | | 4)JACKSON, Peter |
| Filing Date | :NA | 5)JAMES, Kenneth |
| (62) Divisional to Application Number | :NA | 6)RONCHI, Emanuele |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : SCANNING METHOD AND APPARATUS

(57) Abstract :

The invention discloses a scanning method and apparatus suitable for scanning a pipeline or process vessel in which a beam of gamma radiation from a source is emitted through the vessel to be detected by an array of detectors which are each collimated to detect radiation over a narrow angle relative to the width of the emitted radiation beam.

No. of Pages : 32 No. of Claims : 23

| (12) PATENT APPLICATION PUBLICATION | | (21) Application No.41/DELNP/2014 A | |
|---|--|---|--|
| (19) INDIA | | | |
| (22) Date of filing of Application :03/01/ | /2014 | (43) Publication Date : 13/05/2016 | |
| (54) Title of the invention : A FAN | | 1 | |
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F04D25/08,F04D29/44 :1112218.1 :15/07/2011 :U.K. :PCT/GB2012/051431 :21/06/2012 :WO 2013/011269 :NA :NA :NA :NA | (71)Name of Applicant : 1)DYSON TECHNOLOGY LIMITED Address of Applicant :Tetbury Hill Malmesbury Wiltshire SN16 0RP U.K. (72)Name of Inventor : 1)STEWART Neil 2)ADKIN Mark 3)TIBBETTS David | |

(57) Abstract :

A fan assembly (200) for generating an air flow within a room includes an impeller (22) and a motor (26) for driving the impeller to draw an air flow into the fan assembly and a casing having a continuous interior passage (202) with a tangential air inlet (204) through which the air flow enters the interior passage and at least one air outlet (208) for emitting at least a portion of the air flow. The casing defines a bore (222) about which the interior passage (202) extends and through which air from outside the fan assembly is drawn by the air emitted from said at least one air outlet (208).

No. of Pages : 51 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : APPARATUS FOR CAPTURING IMAGE OF ANTERIOR PART OF IRIS AND MEDICAL MONITORING SYSTEM USING SMART PHONE

| (51) International classification | :A61B1/04 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1020110059985 | 1)JUNG Ha Chul |
| (32) Priority Date | :21/06/2011 | Address of Applicant :Dongnam B/D 612 507 38 Myunmok |
| (33) Name of priority country | :Republic of Korea | 38 dong Jungrang gu Seoul 131 832 Republic of Korea |
| (86) International Application No | :PCT/KR2011/007500 | (72)Name of Inventor : |
| Filing Date | :11/10/2011 | 1)JUNG Ha Chul |
| (87) International Publication No | :WO 2012/176960 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | I |

(57) Abstract :

The present invention relates to an apparatus for capturing an image of the anterior part of an iris and a medical monitoring system using a smart phone. According to the apparatus for capturing an image of the anterior part of an iris the present invention can contribute to the health of the eyes by accurately examining or capturing images of healthy states to diseased states of an iris by precisely capturing an image without reflecting light to the iris while easily opening the eyes through a more effective and simple method and proceeding with follow up treatment thereto.

No. of Pages : 28 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NEPRILYSIN INHIBITORS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D213/81,C07D231/14,C07D233/26 :61/423180 :15/12/2010 :U.S.A. :PCT/US2011/064829 :14/12/2011 :WO 2012/082853 D:NA :NA :NA | (71)Name of Applicant : 1)THERAVANCE INC. Address of Applicant :901 Gateway Boulevard South San Francisco California 94080 U.S.A. (72)Name of Inventor : 1)GENDRON Roland 2)FLEURY Melissa 3)HUGHES Adam D. |
|---|---|--|
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(57) Abstract :

In one aspect the invention relates to compounds having the formula: where R["]-R6, a, b, and X are as defined in the specification or a pharmaceutically acceptable salt thereof. These compounds have neprilysin inhibition activity. In another aspect the invention relates to pharmaceutical compositions comprising such compounds; methods of using such compounds; and processes and intermediates for preparing such compounds.

No. of Pages : 180 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : HIGH CAPACITY EASY RELEASE EXTENDED USE ADHESIVE DEVICES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :21/10/2011 | (71)Name of Applicant : 1)UNIVERSITY OF MASSACHUSETTS Address of Applicant :225 Franklin Street 12th Floor Boston MA 02100 U.S.A. (72)Name of Inventor : 1)CROSBY Alfred J. 2)BARTLETT Michael 3)CROLL Andrew B. 4)KING Daniel R. |
|---|-------------|---|
|---|-------------|---|

(57) Abstract :

The invention provides novel devices systems designs materials and fabrication methods that enable high load capacity easy release and suitable for extended/repeated use in a variety of applications.

No. of Pages : 49 No. of Claims : 130

(19) INDIA

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMPROVED DEVICE AND METHOD FOR DILATING AN AIRWAY STENOSIS

| (51) International classification | :A61M16/04,A61M29/02 | (71)Name of Applicant : |
|--|----------------------|--|
| (31) Priority Document No | :61/512673 | 1)ACCLARENT INC. |
| (32) Priority Date | :28/07/2011 | Address of Applicant :1525 B OBrien Drive Menlo Park |
| (33) Name of priority country | :U.S.A. | California 94025 U.S.A. |
| (86) International Application No | :PCT/US2012/047148 | (72)Name of Inventor : |
| Filing Date | :18/07/2012 | 1)MUNI Ketan P. |
| (87) International Publication No | :WO 2013/016094 | 2)CHAN Randy S. |
| (61) Patent of Addition to Application | :NA | 3)LAM Sivette |
| Number | | 4)RANADE Shrirang V. |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alexandra | | |

(57) Abstract :

A medical device (100) and a system for dilating a stenotic airway of a patient are described. The medical device comprises a proximal end (122) a distal end (120) and a shaft system (102) having an inflation lumen (108) and a ventilation lumen (110) the proximal end. The shaft system has a proximal shaft section and a distal shaft section. An inflatable balloon (104) is attached to the distal shaft section in a position that is proximal to the distal end. The ventilating tip (106) is distal to the balloon on the distal shaft section and has one or more radially facing openings (112). A method for treating a stenotic airway includes inserting the medical device into a patient s airway and dilating and ventilating the airway.

No. of Pages : 19 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :29/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMMUNICATION DEVICE FOR RAIL VEHICLE, RAIL VEHICLE EQUIPPED WITH SAID DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :14 60775 :07/11/2014 | (71)Name of Applicant : 1)ALSTOM TRANSPORT TECHNOLOGIES Address of Applicant :3, Avenue André Malraux 92300 LEVALLOIS PERRET, France France (72)Name of Inventor : 1)FAYT, Etienne |
|---|--------------------------|---|
|---|--------------------------|---|

(57) Abstract :

This communication device (5) comprises a wireless communication stage (30) to communicate with a beacon (15) in at least one communication channel of a spectral range subdivided into several predetermined channels. It further includes a protection stage (35) connected to a protection antenna (40), the protection antenna (40) being able to capture radio waves propagating in at least one car (27) of said rail vehicle (10), the protection stage (35) being able to detect the frequency of the waves captured by the protection antenna and, if said frequency belongs to said communication channel, to generate signals interfering with the communication channel, the protection antenna (40) also being able, from said interference signals, to radiate radio interference waves in said car (27).

No. of Pages : 14 No. of Claims : 10

(22) Date of filing of Application :31/05/2013

(54) Title of the invention : NOVEL 6 ARYLAMINO PYRIDONE CARBOXAMIDE AS MEK INHIBITORS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :201010528/12.2 :02/11/2010 :China :PCT/CN2011/081643 :01/11/2011 :WO 2012/059041 ·NA | (71)Name of Applicant : 1)CENTAURUS BIOPHARMA CO. LTD. Address of Applicant :Building #16 Tsinghua Science Park Yuquan Wisdom Vale Minzhuang Road #3 Haidian District Beijing 100195 China (72)Name of Inventor : 1)XIAO Dengming 2)ZHU Li 3)HU Yuandong 4)WANG Shixin 5)YU Rong 6)HU Wei 7)LIANG Zhi 8)LIU Xijie 9)HU Quan |
|---|---|--|
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(57) Abstract :

The invention provides novel substituted 6-arylamino pyridone carboxamides represented by Formula I, or a pharmaceutically acceptable salt, solvate, poly- morph, ester, tautomer or prodrug thereof, and a composition comprising these compounds. The compounds provided can be used as inhibitors of MEK and are useful in the treatment of inflammatory diseases, cancer and other hyperproliferative diseases. The invention further provides a method of treatment for inflammatory diseases, cancer and other hyperproliferative diseases in mammals, especially humans.

No. of Pages : 101 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :06/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPIRAL CASING OF A TURBOMACHINE AND METHOD FOR PRODUCING A SPIRAL CASING OF A TURBOMACHINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A 2083/2010 :17/12/2010 :Austria | (71)Name of Applicant : 1)ANDRITZ HYDRO GMBH Address of Applicant :Penzinger Strasse 76 A 1141 Wien Austria (72)Name of Inventor : 1)RIPPL Andreas 2)HALLER Tobias 3)RÃ-LLE Benjamin |
|--|---|---|
|--|---|---|

(57) Abstract :

The invention relates to a spiral casing (1) of a turbomachine in particular a turbine pump or pump turbine which consists of a number of segments (2) which are arranged one behind another in the circumferential direction and are connected to one another at the respective end sides having guide devices at the inlet to the support blades (3). It is characterized in that individual guide segments (9) are provided which are composed of plastic. Furthermore the invention relates to a method for producing a spiral casing (1) of a turbomachine and the guide devices of the latter wherein guide segments (9) are cast from plastic. As a result of the manufacture of individual guide segments (9) from plastic simple adaptation to the changing contour of the spiral (1) and satisfactory and secure fastening can be ensured.

No. of Pages : 13 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :06/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : REDUCTION GEAR ELECTRIC POWER STEERING DEVICE WITH REDUCTION GEAR AND METHOD FOR MANUFACTURING REDUCTION GEAR

| (31) Priority Document No(32) Priority Date | n:B62D5/04,F16H1/16,F16H57/023 :2010270525 :03/12/2010 :Japan | (71)Name of Applicant : 1)JTEKT CORPORATION Address of Applicant :5 8 Minamisemba 3 chome Chuo ku Osaka shi Osaka 5428502 Japan |
|---|--|--|
| (86) International Application No Filing Date (87) International Publication | :PCT/JP2011/076694 :18/11/2011 :WO 2012/073726 | (72)Name of Inventor : 1)KUROUMARU Yoshikazu |
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | |
| Filing Date | | |

(57) Abstract :

A reduction gear (22) is provided with a worm shaft (31) first and second ball bearings (33 34) which rotatably support the worm shaft (31) and a preload application member (35) which applies a preload to the first and second ball bearings (33, 34). The cylindrical section (61) of the preload application member (35) is press fitted into a first inner peripheral surface (53). The first length (L1) of the first inner peripheral surface (53) is set to be greater than the second length (L2) of the cylindrical section (61). When the preload application member (35) applies a preload to the first and second ball bearings (33, 34) the base end surface (61A) of the cylindrical section (61) is located further toward the front end side than the base end section (53A) of the first inner peripheral surface (53) and at the same time the front end section (61B) of the cylindrical section (61) is located further toward the base end side than the front end section (53B) of the first inner peripheral surface (53).

No. of Pages : 37 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS

| (51) International classification | :A61K8/37,A61K8/65,A61K8/66 | (71)Name of Applicant : |
|-----------------------------------|-----------------------------|---|
| (31) Priority Document No | :61/424903 | 1)E. I. DU PONT DE NEMOURS AND COMPANY |
| (32) Priority Date | :20/12/2010 | Address of Applicant :1007 Market Street Wilmington |
| (33) Name of priority country | :U.S.A. | Delaware 19898 U.S.A. |
| (86) International Application | :PCT/US2011/065912 | (72)Name of Inventor : |
| No | :19/12/2011 | 1)BUTTERICK Lisa A. |
| Filing Date | .17/12/2011 | 2)CUNNINGHAM Scott D. |
| (87) International Publication N | o:WO 2012/087970 | 3)DICOSIMO Robert |
| (61) Patent of Addition to | :NA | 4)FOSSER Kari A. |
| Application Number | :NA | 5)GRUBER Tanja Maria |
| Filing Date | .NA | 6)HAYNIE Sharon L. |
| (62) Divisional to Application | :NA | 7)PAYNE Mark S. |
| Number | :NA | 8)ROUVIERE Pierre E. |
| Filing Date | .1 1/2 2 | 9)WANG Hong |

(57) Abstract :

Disclosed herein are compositions and methods to treat an oral cavity surface with a peracid based benefit agent. The peracid benefit agent can be use for oral surface bleaching whitening disinfecting destaining deodorizing decreasing or removing biofilm and combinations thereof. The peracid is enzymatically generated from a carboxylic acid ester substrate using a CE 7 carbohydrate esterase having perhydrolytic activity (perhydrolase) in the presence of a source of peroxygen. A fusion protein comprising the perhydrolase coupled to a peptidic component having affinity for an oral cavity surface either directly or through an optional linker may be used to target the perhydrolytic activity to the oral cavity surface.

No. of Pages : 387 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SOLAR REFLECTOR IN COMPOSITE MATERIAL BASED ON RESIN REINFORCED WITH CUT FIBRES AND USES IN SOLAR PLANTS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :B29C70/02,B29D11/00,F24J2/10 :1004338 :04/11/2010 :France | (71)Name of Applicant : 1)CCP COMPOSITES Address of Applicant :16 32 rue Henri Regnault La Défense 6 F 92400 Courbevoie France |
|--|---|---|
| (86) International Application No Filing Date (87) International Publication | :PCT/EP2011/069286 :03/11/2011 :WO 2012/059527 | (72)Name of Inventor : 1)TAILLEMITE Sébastien |
| No (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a solar reflector for concentrated solar power plants comprising a substrate a) in composite material based on resin reinforced with cut fibres said substrate having means b) for attachment without either perforation or gluing and a metallic reflective coating layer c). The reflector of the invention is used in solar collectors and in solar plants operating on concentrated solar power more particularly for producing electricity steam and/or heat.

No. of Pages : 27 No. of Claims : 33

(22) Date of filing of Application :09/06/2014

(54) Title of the invention : PLANT ARTIFICIAL SEEDS AND METHODS FOR THE PRODUCTION THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A01G9/02,A01H4/00 :61/578410 :21/12/2011 :U.S.A. :PCT/US2012/070766 :20/12/2012 :WO 2013/096531 :NA :NA :NA :NA | (72)Name of Inventor : 1)CASPAR Timothy 2)GASPARETO Denise 3)GAULTNEY Lawrence Doka |
|---|--|--|
|---|--|--|

(57) Abstract :

Composition and method for preparing artificial seeds of plantlets that can be developed into grown plants for propagation in the field are disclosed. In one embodiment the artificial seeds are developed in degradable containers. The disclosed methods also allow for rapid propagation of in demand plants such as sugarcane to meet the ever increasing global demand for this plant.

No. of Pages : 218 No. of Claims : 14

(22) Date of filing of Application :09/06/2014

(54) Title of the invention : NEUTRALIZING ANTIBODIES TO HIV 1 AND THEIR USE

| (51) International classification (31) Priority Document No (32) Priority Date (32) Priority Date (33) Name of priority country :U.S.A. (86) International Application No (87) International Publication No (87) International Publication No (61) Patent of Addition to Filing Date (61) Patent of Addition to Filing Date (62) Divisional to Filing Date (63) Divisional to Filing Date (64) Divisional to Filing Date (65) Divisional to Filing Date (66) Divisional to Filing Date (67) Divisional to Filing Date (68) Divisional to Filing Date (69) Divisional to Filing Date (61) Patent State (61) Patent State (62) Divisional to Filing Date (63) Divisional to Filing Date (64) Divisional to Filing Date (65) Divisional to Filing Date (66) Divisional to Filing Date (67) Divisional to Filing Date (68) Divisional to Filing Date (7) Divisional to Filing Date (8) Divisio | 3)RUDICELL Rebecca S. |
|--|-----------------------|
|--|-----------------------|

(57) Abstract :

Monoclonal neutralizing antibodies that specifically bind to HIV 1 gpl20 and antigen binding fragments of these antibodies are disclosed. Nucleic acids encoding these antibodies vectors and host cells are also provided. Methods for detecting HIV using these antibodies are disclosed. In addition the use of these antibodies antigen binding fragment nucleic acids and vectors to prevent and/or treat an HIV infection is disclosed.

No. of Pages : 560 No. of Claims : 49

(19) INDIA

(22) Date of filing of Application :07/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FREEZE DRIED SNACK PRODUCT COMPRISING HYDROLYZED WHOLE GRAIN

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A23L1/00,A23L1/03,A23L1/035 :NA :NA :NA :PCT/US2010/059631 :09/12/2010 :WO 2012/078156 :NA :NA | (71)Name of Applicant : NESTEC S.A. Address of Applicant : Avenue Nestle 55 CH 1800 Vevey Switzerland (72)Name of Inventor : SCHALLER Raphael ROGER Olivier Yves SCHAFFER LEQUART Christelle WAVREILLE Anne Sophie |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A freeze dried snack product comprising a food component selected from a dairy component a vegetable component a fruit component or mixtures thereof a hydrolyzed whole grain composition an alpha amylase or fragment thereof which alpha amylase or fragment thereof shows no hydrolytic activity towards dietary fibers when in the active state and an emulsifier component. The snack product is especially designed for infants.

No. of Pages : 43 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :07/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : APPARATUS AND METHOD FOR MANAGING USER INPUTS IN VIDEO GAMES

| (51) International classification | :A63F13/12,A63F13/02,A63F13/06 | (71)Name of Applicant : 1)STEELSERIES HQ |
|---|-----------------------------------|--|
| (31) Priority Document No | :12/947874 | Address of Applicant :Skovbogaards Alle 13 DK 2500 Valby |
| (32) Priority Date | :17/11/2010 | Denmark |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date (87) International Publication | :PC1/EP2011/0/0405 :17/11/2011 | 1)ARONZON Michael |
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :NA :NA | |
| Number Filing Date | :NA :NA | |

(57) Abstract :

A system that incorporates teachings of the present disclosure may include for example a computing device having a controller to obtain a user input that was inputted into a first accessory operably coupled with the computing device where the first accessory provides a user interface for user interaction with a video game determine a language of an intended recipient of the user input based on an identity of the intended recipient access a multi lingual library comprising a plurality of words associated with the video game match the user input to one or more words of the plurality of words of the multilingual library to generate a translated message in the determined language of the intended recipient and provide the translated message to a second accessory for presentation to the intended recipient in real time. Additional embodiments are disclosed.

No. of Pages : 42 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :31/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : EXHAUST HEATING DEVICE FOR INTERNAL COMBUSTION ENGINE AND CONTROL METHOD THEREFOR

| (51) International classification | :F02B37/013,F01N3/24,F02B37/00 | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA |
|---|-----------------------------------|--|
| (31) Priority Document No | :NA | Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 |
| (32) Priority Date | :NA | Japan |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/JP2010/007332 :17/12/2010 | 1)TAKEUCHI Naoki |
| (87) International Publication No | :WO 2012/081062 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This exhaust heating device (44) for heating exhaust guided from an internal combustion engine to an exhaust purification device (38) has the following installed therein in series: a first supercharger (36) and a second supercharger (37) that is positioned upstream from the first supercharger in an exhaust channel (27) and is used in the low speed range of the internal combustion engine. The exhaust heating device (44) is further provided with: a first bypass channel (29) for bypassing a first supercharger exhaust turbine (36b); a second bypass channel (32) for bypassing a second supercharger exhaust turbine (37b); and two open/close valves (31, 34) for opening and closing each of the first and second bypass channels. Therein the exhaust heating device (44) is located in the exhaust channel (27s) at a position upstream from the confluence (33c) of the exhaust channel and the second bypass channel and downstream from the second supercharger exhaust turbine. A valve (41) capable of adjusting the flow of exhaust flowing through the exhaust channel is positioned in the exhaust channel downstream from the branching point (33d) of the exhaust channel and the second bypass channel and upstream from the second supercharger exhaust turbine.

No. of Pages : 43 No. of Claims : 6

(21) Application No.5013/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : BURNER DEVICE FOR RAISING TEMPERATURE OF EXHAUST GAS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (61) Divisional to Application | :31/01/2011 | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor : 1)IWASAKI Eiji |
|---|-------------|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided is a burner device that is for raising the temperature of exhaust gas and that is provided to the upstream side of an exhaust processing device provided in an exhaust pipe. The burner device contains: a fuel supply valve that supplies fuel within the exhaust pipe; an ignition means that ignites the fuel supplied from the fuel supply valve; and a burner catalyst that is held within the exhaust pipe with a support member therebetween. The support member is formed with a wave shaped cross section having: an outer arc shaped section that contacts the exhaust pipe; an inner arc shaped section that contacts the outer peripheral member of the burner catalyst; and a connecting section that joins the outer arc shaped section and the inner arc shaped section.

No. of Pages : 45 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :06/06/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A47J31/40 :61/419977 :06/12/2010 :U.S.A. :PCT/US2011/063493 :06/12/2011 :WO 2012/078604 :NA :NA | (71)Name of Applicant : 1)THE COCA COLA COMPANY Address of Applicant :One Coca Cola Plaza Nw Atlanta GA 30313 U.S.A. (72)Name of Inventor : 1)NORRIS Joseph T. 2)GUI Quande 3)MA Philip 4)TAN Colin 5)VERDURA Javier 6)KRUSKA Jesse S. |
|---|--|--|
| (87) International Publication No(61) Patent of Addition to Application Number | :WO 2012/078604 :NA | 3)MA Philip 4)TAN Colin 5)VERDURA Javier |
| (62) Divisional to Application Number Filing Date | :NA :NA | 7)CLAY John Kevin 8)MCCAY James 9)CRAWFORD PHILLIPS Jon |

(54) Title of the invention : BEVERAGE DISPENSING DEVICE

(57) Abstract :

A beverage dispenser that is enabled for on demand gravity fed dispensing of a pre mixed or otherwise ready to drink beverage that has been thermally regulated through natural convection. More specifically the beverage dispenser enables pre mixed or otherwise ready to drink beverage containers (i.e. beverage containers with beverage contents that are pre mixed or otherwise ready to drink) to be installed on the beverage dispenser and without the aid of electricity or electro mechanical devices dispense a thermally regulated beverage on demand to an intended customer. The beverage dispenser may comprise a thermal regulation compartment that facilitates regulating the temperature of beverage contents through natural convection. The beverage dispenser may also comprise a thermally regulated and thermally insulated beverage enclosure in which to install the beverage containers. The thermal regulation compartment may be earned within the beverage enclosure.

No. of Pages : 62 No. of Claims : 20

| (12) PATENT APPLICATION PUBLICATION | |
|-------------------------------------|--|
|-------------------------------------|--|

(19) INDIA

(22) Date of filing of Application :10/06/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : FUEL CELL VEHICLE | | |
|--|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B60K1/04,B60K8/00,B60L11/18 :2011085480 :07/04/2011 :Japan :PCT/JP2012/055046 :29/02/2012 :WO 2012/137561 :NA :NA :NA | (71)Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka cho Minami ku Hamamatsu shi Shizuoka 4328611 Japan (72)Name of Inventor : 1)OZAWA Naoki 2)MATSUMOTO Shiro |

(57) Abstract :

The present invention increases the electricity generation amount of a fuel cell that takes in air from the front side of a fuel cell vehicle and discharges air toward the rear side of the vehicle. The present invention also protects the fuel cell in cases where an impact force is applied to the vehicle. A fuel cell case (24) is arranged inside a cage shaped sub frame (32) that surrounds the front and rear and both the left and right sides of the fuel cell case (24). A drive unit (7) formed by connecting a traveling motor (5) and a gearbox (6) is connected to the rear side section of the sub frame (32). Left and right end sections of the sub frame (32) and the drive unit (7) are supported on the vehicle body (15) by respective mounting devices (33, 34, 35).

No. of Pages : 15 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (1) Detect of Addition to Application | :G08B21/02 :12/907125 :19/10/2010 :U.S.A. :PCT/US2011/056803 :19/10/2011 :WO 2012/054551 | (71)Name of Applicant : 1)ROSENBERG Mitchell Address of Applicant :28 Imperial Drive Cherry Hill NJ 08003 2744 U.S.A. (72)Name of Inventor : 1)ROSENBERG Mitchell |
|--|--|---|
| | | |
| (87) International Publication No | | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : INFECTIOUS DISEASE WARNING SYSTEM

(57) Abstract :

A system comprising a portable unit which can be temporarily placed outside a patient room comprising a processor memory a speaker or voice generator and programming to allow an authorized user to select (A) a disease or medical condition which corresponds to preprogrammed simulated voice warnings for example "wash hands " "wear gown " "wear gloves " "wear mask " "dispose of gown " "use hand sanitizer " "wash hands with soap and water after removing protective clothing " and combinations of said voice warnings; or (B) one or more of said preprogrammed voice warnings; a room entry detector programmed to activate the simulated voice warnings the system configured so that when entry to the room is detected one or a combination of the simulated voice warnings is emitted by the system.

No. of Pages : 16 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : AUTOMATED BANKING SYSTEM CONTROLLED RESPONSIVE TO DATA BEARING RECORDS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | ·G06F7/08 | (71)Name of Applicant : 1)DIEBOLD INCORPORATED Address of Applicant :5995 Mayfair Road North Canton Ohio 44720 U.S.A. (72)Name of Inventor : MA Songtao RAMACHANDRAN Natarajan TOEPKE Eric RYAN Mike R. JENKINS Randall W. ERTLE Thomas D. CREWS Tim MILLER Willis BILLETT Nick SHEPLEY Steven KRZIC Dave COGAN Victor A. |
|---|-----------|--|
|---|-----------|--|

(57) Abstract :

An automatic banking machine operates responsive to data read from data bearing records corresponding to authorized user or financial account data. The machine includes a card reader for reading data from user cards. The automated banking machine causes financial transfers related to financial accounts that correspond to data read from user cards. The automated banking machine also includes devices that control the supply of power to included devices to avoid exceeding power supply capacity.

No. of Pages : 117 No. of Claims : 21

(22) Date of filing of Application :06/06/2013

(21) Application No.5030/DELNP/2013 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : GELS AND HYDROGELS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C08J3/075,C08L33/08,C08L71/00 :61/411462 :08/11/2010 :U.S.A. :PCT/US2011/059837 :08/11/2011 :WO 2012/064787 :NA :NA :NA | (71)Name of Applicant : 1)MOASIS INC. Address of Applicant :32930 Alvarado Niles Road Suite 350 Union City CA 94587 U.S.A. (72)Name of Inventor : 1)LI Naihong 2)WILLIAMS Michael C. |
|--|---|--|
|--|---|--|

(57) Abstract :

Gels and gel containing materials including hydrogels are described. A gel can be formed by blending polyacrylic acid (PAA) and a polyglycol such as polytetramethylene ether glycol (PTMEG) at room temperature and in some cases without using a catalyst. The blend material can be used to form soft or hard materials films and particles. The blend material can be combined with vinyl monomers and polymerize to form a hydrogel. The hydrogel can have a high mechanical strength and high water absorbency.

No. of Pages : 55 No. of Claims : 159

(19) INDIA

(22) Date of filing of Application :11/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TYRE WITH IMPROVED BEADS

| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :PCT/EP2011/072326 :09/12/2011 | (71)Name of Applicant : 1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Address of Applicant :12 cours Sablon F 63000 Clermont Ferrand France 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor : 1)BRUNEAU François Xavier 2)BOURGEOIS Frédéric |
|--|-----------------------------------|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | NA NA | |

(57) Abstract :

Tyre comprising two beads (20) comprising an annular reinforcing structure (70) and a carcass reinforcement (60) which is anchored in the two beads by being wrapped around the annular reinforcing structure so as to form, in each bead, a main portion (62) and a wrapped-around portion (63), in which each bead comprises a bead filler (110) situated between the main portion and the wrappedaround portion of the carcass reinforcement, and an outer strip (120) positioned axially on the outside of the carcass reinforcement and of the bead filler, the bead filler (110) and the outer strip (120) being made of a rubber compound that has an elastic modulus G" less than or equal to 15 MPa and a viscous modulus G" such that: G" [MPa] $\leq 0.2 \cdot$ G" [MPa] - 0.2 MPa, the elastic and viscous moduli being measured at 23Ű C; in which the entity formed by the bead filler (110) and the outer strip (120) has a thickness E(r), the thickness E(r) changes as a function of the distance r such that, in the range of distances r comprised between 25 and 45% of the height H of the tyre, the variation in thickness (X) is less than or equal to - 0.25 mm/mm over at least 4% of the height H of the tyre, and in which the annular reinforcing structure has a maximum axial width DE such that the ratio (Y), where E(r)max is the maximum value of the thickness E(r), is less than or equal to 10%.

No. of Pages : 24 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :05/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FUSED AMINODIHYDROTHIAZINE DERIVATIVES USEFUL AS BACE INHIBITORS

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :C07D513/04,A61K31/542,A61P25/00 :1101140.0 :21/01/2011 :U.K. :PCT/EP2012/050833 :20/01/2012 :WO 2012/098213 | (71)Name of Applicant : 1)EISAI R&D MANAGEMENT CO. LTD. Address of Applicant :6 10 Koishikawa 4 chome Bunkyo ku Tokyo 112 8088 Japan (72)Name of Inventor : 1)HALL Adrian 2)FARTHING Christopher Neil 3)CASTRO PINEIRO Jose Luis |
|---|--|---|
| Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

The present invention relates to a fused aminodihydrothiazine derivative of formula (I): wherein X is hydrogen or fluorine; A is CH or N; Y is methyl ethyl monofluoromethyl difluoromethyl trifluoromethyl difluoroethyl methoxy methoxy methoxymethyl or -C=N; and pharmaceutically acceptable salts thereof; which compound has an Aß production inhibitory effect or a BACEl inhibitory effect and is useful as a prophylactic or therapeutic agent for a neurodegenerative disease caused by Aß and typified by Alzheimer type dementia.

No. of Pages : 100 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :G01F9/02 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/420556 | 1)VNOMICS CORP. |
| (32) Priority Date | :07/12/2010 | Address of Applicant :175 Sullys Trail Suite 203 Pittsford |
| (33) Name of priority country | :U.S.A. | New York 14534 U.S.A. |
| (86) International Application No | :PCT/US2011/063663 | (72)Name of Inventor : |
| Filing Date | :07/12/2011 | 1)CHAUNCEY David Charles |
| (87) International Publication No | :WO 2012/078712 | 2)MCCARTHY Edward Charles |
| (61) Patent of Addition to Application | :NA | 3)ROTH Peter Joseph |
| Number | :NA | 4)ELLIOTT Nicholas Allen |
| Filing Date | .117 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : SYSTEM AND METHOD FOR MEASURING AND REDUCING VEHICLE FUEL WASTE

(57) Abstract :

One way to improve fuel efficiency of a vehicle is to improve the usage of various gears. One way to measure the amount of fuel wasted due to suboptimal gear shifting is to compare the actual gear used for various driving conditions with the optimal gear used. Such comparisons may be combined with determinations of amount of fuel used to determine how much fuel has been lost due to suboptimal shifting. These techniques are applicable to tracking employment of other driving best practices as well.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE PREPARATION OF AROMATIC THIOL DERIVATIVES BY HYDROGENATION OF DISULFIDES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (57) Abstract in the second se | :C07C319/06,C07C323/40,C07C327/30 :10195294.3 :16/12/2010 :EPO :PCT/EP2011/072470 :12/12/2011 :WO 2012/080178 ? :NA :NA :NA | (71)Name of Applicant : 1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel Switzerland (72)Name of Inventor : 1)MAIR Hans Juergen 2)REENTS Reinhard 3)SCALONE Michelangelo 4)WANG Shaoning 5)ZOGG Andreas |
|--|--|---|
|--|--|---|

(57) Abstract :

The application relates to the preparation of thiophenols by reacting the corresponding disulfide with hydrogen in the presence of a heterogeneous transition metal hydrogenation catalyst. If the reaction is carried out in the presence of an acylating agent such as a carboxylic acid anhydride or halide, an acylated thiophenol is obtained. The pharmaceutically active compound S - [2 - [1 - (2 ethylbutyl) cyclohexylcarbonylamino] -phenyl] 2 -methylthiopropionate is produced via said process.

No. of Pages : 48 No. of Claims : 42

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI PCSK9 ANTIBODIES AND METHODS OF USE

| | :C07K16/40,A61K39/395 :61/426343 :22/12/2010 :U.S.A. :PCT/US2011/066593 :21/12/2011 :WO 2012/088313 :NA :NA :NA | Address of Applicant :1 DNA Way South San Francisco CA 94080 U.S.A. 2)F. HOFFMANN LA ROCHE AG (72)Name of Inventor : 1)WU Yan 2)CHIU Cecilia 3)KIRCHHOFER Daniel 4)PETERSON Andrew 5)KOLUMAM Ganesh 6)KONG BELTRAN Monica |
|-------------|--|--|
| Filing Date | :NA | 7)MORAN Paul 8)LI Wei |

(57) Abstract :

The invention provides anti PCSK9 antibodies and methods of using the same.

No. of Pages : 104 No. of Claims : 56

(21) Application No.5278/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA | (71)Name of Applicant : TRANSITIONS OPTICAL INC. Address of Applicant :9251 Belcher Road Pinellas Park Florida 33782 U.S.A. (72)Name of Inventor : HE Meng KUMAR Anil |
|--|------------|---|
| Filing Date | :NA | |

(54) Title of the invention : METHODS OF MAKING FUSED RING COMPOUNDS

(57) Abstract :

The present invention relates to methods of making fused ring compounds, such as indeno-fused naphthols, and fused ring indenopyran compounds, such as indeno-fused naphthopyrans, that each employ an unsaturated compound represented by the following Formula (II). Referring to the unsaturated compound of Formula II: Ring-A can be selected from optionally substituted aryl (e.g., phenyl); m can be, for example, from 0 to 4; R1 for each m can be selected from optionally substituted hydrocarbyl (e.g., C1-C6 alkyl) optionally interrupted with at least one linking group (e.g., -O-); and R3 and R16 can each be independently selected from, for example, hydrogen or optionally substituted hydrocarbyl, such as C1-C8 alkyl. When Ring-A is a phenyl group, the unsaturated compound represented by Formula II can be referred to as an unsaturated indanone acid/ester compound, or an indenone acid/ester compound (depending on whether R16 is hydrogen, or an optionally substituted hydrocarbyl group).

No. of Pages : 97 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LACTONE COMPOUNDS AND MATERIALS MADE THEREFROM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition t Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D307/46,C07D311/78,C07D333/78 :61/459675 :16/12/2010 :U.S.A. :PCT/US2011/063905 :08/12/2011 :WO 2012/082513 ^o :NA :NA :NA | (71)Name of Applicant : 1)TRANSITIONS OPTICAL INC. Address of Applicant :9251 Belcher Road Pinellas Park Florida 33782 U.S.A. (72)Name of Inventor : 1)HE Meng 2)DABIDEEN Darrin R. 3)XU Ruisong 4)KUMAR Anil |
|--|---|---|
|--|---|---|

(57) Abstract :

The present invention relates to lactone compounds represented by following Formulas I and II, and methods of making such lactone compounds. Formula (I): and formula (II). The present invention also relates to methods of making other materials from such lactone compounds, such as fused ring indenol compounds (e.g., indeno-fused naphthols), and fused ring indenopyran, compounds (e.g., indeno-fused naphthols).

No. of Pages : 94 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :28/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : POWER CONVERTER CONTROLLER WITH INPUT CURRENT SLOPE ADJUSTMENT :G05F1/40 (71)Name of Applicant : (51) International classification 1)Power Integrations, Inc. (31) Priority Document No :62/077,136 (32) Priority Date :07/11/2014 Address of Applicant :5245 Hellver Avenue, San Jose, CA (33) Name of priority country 95138, USA U.S.A. :U.S.A. (86) International Application No (72)Name of Inventor: :NA Filing Date :NA 1) Ricardo Luis Janezic Pregitzer (87) International Publication No : NA 2)Mingming Mao 3) Tiziano Pastore (61) Patent of Addition to Application Number :NA Filing Date :NA 4)Michael Yue Zhang (62) Divisional to Application Number :NA 5)Yury Gaknoki Filing Date :NA

(57) Abstract :

A transient event detector includes a first reference generator, an adjustable lowpass filter, and a comparator. The first reference generator coupled to scale the input current signal to generate a first reference current signal that tracks the input current signal. The adjustable low-pass filter circuit is coupled to receive the input current signal and to generate a filtered input current signal such that a magnitude of a slope of the filtered input current signal is less than the magnitude of the slope of the input current signal during a transient event. The first comparator is coupled to generate an event detection signal that indicates the presence of the transient event in response to a value of the filtered input current signal reaching a value of the first reference current signal. The adjustable low-pass filter circuit is configured to increase the cutoff frequency in response to the event detection signal.

No. of Pages : 65 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :19/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ORGANIC AMINE SALT OF AMINOBENZOIC ACID DERIVATIVE AND METHOD FOR PRODUCING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D333/32,A61K31/381,A61P7/04 :2010246632 :02/11/2010 :Japan :PCT/JP2011/075218 :01/11/2011 :WO 2012/060388 :NA :NA :NA :NA | (71)Name of Applicant : 1)NISSAN CHEMICAL INDUSTRIES LTD. Address of Applicant :7 1 Kanda Nishiki cho 3 chome Chiyoda ku Tokyo 1010054 Japan (72)Name of Inventor : 1)IWAMOTO Shunsuke 2)NAKANO Satoshi 3)ISHIDA Mariko 4)YAMAMOTO Masao 5)TAKEUCHI Kazuya |
|---|---|--|
|---|---|--|

(57) Abstract :

The purpose of the invention is to provide a novel organic amine salt or quaternary ammonium salt of the 3-{[((2E)-2-{1-[5-(4-tbutylphenyl)-4-hydroxy-3-thienyl]ethylidene}hydrazino)carbonothioyl]amino} benzoic acid represented by the formula shown below. The organic amine salt or quaternary ammonium salt has excellent pharmacokinetic characteristics and stability, and possessed properties useful for a drug.

No. of Pages : 26 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :29/05/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : ADAPTABLE WIRELESS POWER LIGHT AND AUTOMATION SYSTEM

| (51) International classification | :H05B37/02,H04L12/28 | (71)Name of Applicant : |
|--|----------------------|--|
| (31) Priority Document No | :61/556751 | 1)KORTEK INDUSTRIES PTY LTD |
| (32) Priority Date | :07/11/2011 | Address of Applicant :Level 30 345 Queen Street Brisbane |
| (33) Name of priority country | :U.S.A. | Queensland 4000 Australia |
| (86) International Application No | :PCT/AU2012/000959 | (72)Name of Inventor : |
| Filing Date | :15/08/2012 | 1)DAVIS Barrie |
| (87) International Publication No | :WO 2013/067569 | 2)DAVIS Benjamin |
| (61) Patent of Addition to Application | :NA | 3)DAVIS Matthew |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A power control unit (100) and method of use thereof for varying the supply of electricity to an electrical apparatus using a wireless communications link between a controller (20) and the power control unit (100). The power control unit (100) is adapted to alternatively communicate with the controller (20) using a non peer to peer communications standard or a peer to peer communications standard such as Wi Fi Direct.

No. of Pages : 80 No. of Claims : 88

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHOTOCHROMIC COMPOUNDS AND COMPOSITIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D311/94,G03C1/73 :61/459634 :16/12/2010 :U.S.A. :PCT/US2011/065104 :15/12/2011 :WO 2012/082999 :NA :NA :NA :NA | (71)Name of Applicant : TRANSITIONS OPTICAL INC. Address of Applicant :9251 Belcher Road Pinellas Park Florida 33782 U.S.A. (72)Name of Inventor : HE Meng DABIDEEN Darrin R. MONDAL Sujit DAI Xiao Man XU Ruisong XIAO Wenjing TOMASULO Massimiliano YU Huayun CHOPRA Anu Anu |
|---|--|--|
|---|--|--|

(57) Abstract :

Described herein are compounds (III) comprising an indeno[2",3", 3, 4] naptho [1,2-b] pyran structure. Such compounds may be useful for their photochromic properties, and be use in certain photochromic compositions. Such compositions may further comprise other photochromic compositions and/or materials. Additionally, such compounds and/or compositions may be suitable for preparing certain photochromic articles.

No. of Pages : 92 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD OF MAKING INDENO FUSED NAPHTHOL MATERIALS

| classification :C07CS1/353,C07CS7/34,C07CS1/36 1)T (31) Priority Document No :61/459617 A (32) Priority Date :16/12/2010 Penns (33) Name of priority :U.S.A. 1)Y (86) International :PCT/US2011/064800 2)C Application No :14/12/2011 3)W | 1)Name of Applicant : 1)TRANSITIONS OPTICAL INC. Address of Applicant :9251 Belcher Road Pinellas Park ennsylvania 33782 U.S.A. 2)Name of Inventor : 1)YU Huayun 2)CHOPRA Anu 3)VAN GEMERT Barry 4)XIAO Wenjing |
|---|---|
|---|---|

(57) Abstract :

The present invention relates to a method of making indeno-fused naphthol materials, that involves, with some embodiments, forming an indanone acid intermediate, which can be represented by the following general Formula V, [Formula V] With Formula V, m is from 0 to 4, and R1 for each m, Rg and Rh can each be independently selected from, for example, hydrogen and hydrocarbyl. The present invention also relates to a method of making an indeno-fused naphthopyran that involves an indanone acid intermediate synthetic route.

No. of Pages : 79 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CYCLOSPORINE ANALOGUE MOLECULES MODIFIED AT AMINO ACID 1 AND 3

| classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/CA2011/050773 :14/12/2011 :WO 2012/079172 :NA :NA | (71)Name of Applicant : 1)ISOTECHNIKA PHARMA INC. Address of Applicant :5120 75th Street Edmonton Alberta T6E 6W2 Canada (72)Name of Inventor : 1)HEGMANS Alexander 2)FENSKE Bruce W. 3)TREPANIER Dan J. 4)ABEL Mark D. 5)SUGIYAMA Shin 6)URE Daren R. |
|--|--|--|
| (62) Divisional to Application | :NA :NA | |

(57) Abstract :

Analogues of cyclosporin A are disclosed comprising modifications of the substituents as the positions of amino acids 1 and 3 according to the following Formula (I). The disclosed compounds include compounds having affinity for cyclophilin including cyclophilin A and reduced immunosuppressivity in comparison with cyclosporin A and analogs thereof modified solely at position 1.

No. of Pages : 124 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TYRE THE CARCASS REINFORCEMENT OF WHICH IS REINFORCED WITH A LAYER OF REINFORCING ELEMENTS IN THE BEAD REGION

(57) Abstract :

The invention relates to a tyre with a radial carcass reinforcement which is made up of at least one layer of reinforcing \tilde{A} ©I \tilde{A} ©ments which is anchored in each of the beads by being wrapped around a bead wire, said wrapped-around portion of carcass reinforcement being reinforced by at least one layer of reinforcing \tilde{A} ©I \tilde{A} ©ments or stiffener. According to the invention, the reinforcing \tilde{A} ©I \tilde{A} ©ments of at least one stiffener are unwrapped m \tilde{A} ©tal chords with saturated layers which in the test known as the permeability test return a flowrate of less than 5 cm["]/mm and the thickness of the polymer compounds separating the stiffener from the end of the wrapped-around portion of carcass reinforcement is strictly less than 3.5 mm.

No. of Pages : 36 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TYRE THE CARCASS REINFORCEMENT OF WHICH IS REINFORCED WITH A LAYER OF REINFORCING ELEMENTS IN THE BEAD REGION

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :B60C15/06,D07B1/16,D07B1/06 :1060880 :21/12/2010 :France | (71)Name of Applicant : 1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Address of Applicant :12 cours Sablon F 63000 Clermont |
|---|--|---|
| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :PCT/EP2011/073403 :20/12/2011 :WO 2012/084943 :NA | Ferrand France 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor : 1)SALLAZ Gilles 2)DEGEORGES AgnÃ ["] s 3)DOMINGO Alain 4)NOEL Sébastien |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a tyre with a radial carcass reinforcement made up of at least one layer of reinforcing elements which is anchored in each of the beads by being wrapped around a bead wire, said wrapped-around portion of carcass reinforcement being reinforced by at least one layer of reinforcing or stiffening elements the radially outer end of which is radially on the outside of the end of the wrapped-around portion. According to the invention, the reinforcing elements of at least one stiffener are unwrapped metal cords with saturated layers which on the test known as the permeability test return a flowrate of less than 5 cm3/min, the radially inner end of said stiffener being radially on the inside of that point of the bead wire that is radially closest to the axis of rotation, and the elastic modulus of the polymer compounds in the calendered layers of the carcass reinforcement is less than or equal to 8 MPa.

No. of Pages : 36 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TYRE THE CARCASS REINFORCEMENT OF WHICH IS REINFORCED BY A LAYER OF REINFORCING ELEMENTS IN THE BEAD REGION

| (51) International classification(31) Priority Document No(32) Priority Date | :B60C15/06,D07B1/16 :1060883 :21/12/2010 | (71)Name of Applicant : 1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN |
|--|--|--|
| (33) Name of priority country | :France | Address of Applicant :12 cours Sablon F 63000 Clermont |
| (86) International Application No | :PCT/EP2011/073410 | Ferrand France |
| Filing Date | :20/12/2011 | 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. |
| (87) International Publication No | :WO 2012/084948 | (72)Name of Inventor : |
| (61) Patent of Addition to Application | :NA | 1)SALLAZ Gilles |
| Number | :NA | 2)DEGEORGES Agnès |
| Filing Date | .1 17 1 | 3)DOMINGO Alain |
| (62) Divisional to Application Number | :NA | 4)GRISIN Bopha |
| Filing Date | :NA | |

(57) Abstract :

The invention relates to a tyre with a radial carcass reinforcement consisting of at least one layer of reinforcing elements which is anchored in each of the beads by being wrapped around a bead wire, said wrapped-around portion of carcass reinforcement being reinforced with at least one layer of reinforcing elements or stiffener, the radially outer end of which is radially on the outside of the end of the wrapped-around portion. According to the invention, the reinforcing elements of at least one stiffener are unwrapped metal chords with saturated layers which on the test known as the permeability test return a flowrate less than 20 cm3/min and the distance between the radially outer end of the stiffener and the end of the wrapped-around portion of carcass reinforcement is less than 5 mm.

No. of Pages : 33 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TYRE THE CARCASS REINFORCEMENT OF WHICH IS REINFORCED WITH A LAYER OF REINFORCING ELEMENTS IN THE BEAD REGION

| (62) Divisional to Application Number NA 4)NOFL Séhastien | (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :1060878 :21/12/2010 :France :PCT/EP2011/073397 :20/12/2011 :WO 2012/084938 :NA :NA | 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor : 1)SALLAZ Gilles 2)DEGEORGES AgnÃ s 3)DOMINGO Alain |
|--|--|--|--|
| (62) Divisional to Application Number :NA 4)NOEL Sébastien Filing Date :NA | | | 4)NOEL SA©bastien |

(57) Abstract :

The invention relates to a tyre with a radial carcass reinforcement (2) made up of at least one layer of reinforcing elements which is anchored in each of the beads (3) by being wrapped around a bead wire (4), said wrapped-around portion (7) of carcass reinforcement being reinforced with at least one layer of reinforcing or stiffening elements (8), the radially outer end of which is radially on the outside of the end (9) of the wrapped-around portion (7). According to the invention, the reinforcing elements of at least one stiffener are unwrapped metal cords with saturated layers which on the test known as the permeability test return a flow rate of less than 5 cm3/min and the elastic modulus of the layer (11) of polymer compound in contact with the wrapped-round portion of carcass reinforcement is higher than 4 MPa.

No. of Pages : 34 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : FLUID EXTRACTION DEVICE | | |
|---|--|--|
| (51) International classification:A61M1(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAKa | (71)Name of Applicant : (71)Name of Applicant : (14 (71)SECRETARY, DEPARTMENT OF BIOTECHNOLOGY Address of Applicant :Ministry of Science & Technology Government of India, C.G.O. Complex, Lodhi Road, New Delhi 110003, India Delhi India (72)Name of Inventor : (72)Name of Inventor : (72)Nater of Invent | |

(57) Abstract :

A fluid extraction device (100) for extracting fluid from incision site on patientâ \in^{TM} s body is described. The fluid extraction device (100) includes a catheter tube (102) having first end and second end. The first end is adapted to be inserted into incision site to extract the fluid. Further, the fluid extraction device (100) includes fixator device (104) to affix catheter tube (102) to patientâ \in^{TM} s body when catheter tube (102) is inserted into incision site. The fixator device (104) includes gripper (206) adapted to attach fixator device (104) to catheter tube (102). The fixator device (104) further includes base (216) provided on lower side of fixator device (104) to secure fixator device (104) to incision site for locking catheter tube (102), and foldable membrane (222) provided between gripper (206) and base (216) to cover the catheter tube (102) during removal of the catheter tube (102) from the patientâ \in^{TM} s body.

No. of Pages : 32 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :12/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A PRIMER SEQUENCE FOR THE PREPARATION OF INSECTICIDAL PROTEIN FROM MICROSORIUM SOCOLOPENDRIUM

| (51) International classification:A01(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NAFiling Date:NA | (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA. Delhi India (72)Name of Inventor : 1)SINGH PRADHYUMNA KUMAR 2)SINGH RAHUL 3)KRISHNAPPA CHANDRASHEKAR 4)RAI PREETI 5)SAURABH SHARAD 6)UPADHYAY SANTOSH KUMAR 7)SINGH HARPAL 8)MISHRA MANISHA 9)SINGH AJIT PRATAP 10)VERMA PRAVEEN CHANDRA 11)NAIR KUTTAN PILLAI NARAYANAN 12)TULI RAKEHS |
|---|--|
|---|--|

(57) Abstract :

The present invention relates to a primer sequence for the amplification of novel insecticidal gene, corresponding peptide sequence of insecticidal gene which is toxic to whiteflies and lepidopteran caterpillars. More particularly the current invention also provides the process for the preparation of insecticidal protein encoding nucleic acid sequence and its application for insect control. In particular the present invention relates to nucleic acid sequence encoding for Microsoriurn scolopendriurn insecticidal protein applicable for insect control said ihsedicidal protein is useful for insect control. Microsoriurn scolopendrium insecticidal protein was found toxic to sap sucking insect pest Bemisia tabaci (whitefly) and chewing pest H. armigera. Microsoriurn scofopendrium insecticidal protein encoding gene can be used in the development of transgenic plants for resistance against sap sucking and chewing pests.

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

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :30/11/2011 :WO 2012/072076 :NA :NA :NA | (71)Name of Applicant : 1)DANFOSS A/S Address of Applicant :Nordborgvej 81 DK 6430 Nordborg Denmark (72)Name of Inventor : 1)THYBO Claus 2)SÜSS Jürgen |
|---|---|--|
| Filing Date | :NA | |

(54) Title of the invention : AN EXPANSION VALVE WITH VARIABLE OPENING DEGREE

(57) Abstract :

An expansion valve (4) for a vapour compression system (1) and a vapour compression system comprising such an expansion valve (4) are disclosed. The expansion valve (4) comprises a first valve member (7) and a second valve member (8). The first valve member (7) and the second valve member (8) are arranged movably relative to each other and the relative position of the first valve member (7) and the second valve member (8) determines an opening degree of the expansion valve (4). The first valve member (7) and/or the second valve member (8) is/are automatically movable in response to changes in a differential pressure across the expansion valve (4) thereby being automatically altered in response to changes in the differential pressure across the expansion valve (4). It is ensured that the opening degree of the expansion valve (4) is automatically adjusted to the actual operating conditions thereby optimising the efficiency of the vapour compression system (1). Furthermore this is obtained in a simple manner without requiring complicated control of the valve (4).

No. of Pages : 31 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

| :G01N33/543 | (71)Name of Applicant : |
|--------------------|---|
| :1102037.7 | 1)MULTI SENSE TECHNOLOGIES LIMITED |
| :07/02/2011 | Address of Applicant :Unit 113 Stirling Enterprise Park John |
| :U.K. | Player Building Stirling FK7 7RP U.K. |
| :PCT/GB2012/000122 | (72)Name of Inventor : |
| :07/02/2012 | 1)LOWE Philip |
| :WO 2012/107717 | 2)KEATCH Steven Alexander |
| •NI A | 3)MCGUIGAN Brian |
| | |
| :NA | |
| :NA | |
| :NA | |
| | :1102037.7 :07/02/2011 :U.K. :PCT/GB2012/000122 :07/02/2012 :WO 2012/107717 :NA :NA :NA |

(54) Title of the invention : MICROFLUIDICS BASED ASSAY DEVICE

(57) Abstract :

A subtractive corrective assay device and methodology whereby ail required binding and label detection reagents are initially located within the detection zone. Application of a magnetic field is used to selectively remove bound label from the detection zone by means of paramagnetic particles. The relationship between measured label concentration before and after the application of a magnetic field within the detection zone is used to accurately measure analyte concentration within the sample.

No. of Pages : 81 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :17/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NEGATIVE ELECTRODE ACTIVE MATERIAL AND SECONDARY BATTERY USING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (57) Abstract : | :H01M4/583,H01M10/0525,H01M4/38 :1020100135417 :27/12/2010 :Republic of Korea :PCT/KR2011/009172 :29/11/2011 :WO 2012/091301 ':NA :NA :NA | (71)Name of Applicant : 1)LG CHEM LTD. Address of Applicant :20 Yoido dong Youngdungpo gu Seoul 150 721 Republic of Korea (72)Name of Inventor : 1)CHANG Sung Kyun 2)JANG WonSeok 3)KIM Je Young 4)HAN JungMin |
|--|--|---|
|--|--|---|

(57) Abstract :

The present invention relates to a negative electrode active material for secondary batteries capable of absorbing and desorbing ions and to a secondary battery including the negative electrode active material the active material consisting of: a core of a crystalline carbonaceous substance; and a composite coating layer that includes at least one substance selected from the group consisting of low crystalline carbon and a metal and/or non metal capable of absorbing and desorbing ions. Here the composite coating layer is configured such that a matrix is made of one component selected from said at least one substance selected from the group consisting of low crystalline carbon and amorphous carbon and the metal and/or non metal capable of absorbing and desorbing ions wherein a filler made of the other component is further included in the matrix.

No. of Pages : 31 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :17/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CATHODE ACTIVE MATERIAL AND SECONDARY BATTERY USING SAME

| (51) International classification:H01M4/583,H01M4/48,H01M4/133(31) Priority Document No (32) Priority Date:1020100131384(32) Priority Date:21/12/2010(33) Name of priority country:Republic of Korea(86) International Application No Filing Date:PCT/KR2011/009171(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2012/086940(62) Divisional to Filing Date:NA :NA :NA(62) Divisional to Filing Date:NA :NA | (71)Name of Applicant : 1)LG CHEM LTD. Address of Applicant :20 Yoido dong Youngdungpo gu Seoul 150 721 Republic of Korea (72)Name of Inventor : 1)CHANG Sung Kyun 2)JANG WonSeok 3)KIM Je Young 4)HAN JungMin |
|---|--|
|---|--|

(57) Abstract :

The present invention relates to a cathode active material that can occlude and emit ions and provides a cathode active material and a secondary battery comprising the cathode active material the cathode active material comprising: a core having a crystalline carbon based material; and a composite coating layer having at least one material selected from the group consisting of low crystalline carbon and amorphous carbon and a silicon oxide that can occlude and emit ions wherein the composite coating has a configuration of a matrix made of at least one material selected from the group consisting of low crystalline carbon and an ingredient selected from silicon oxides that can occlude and emit ions and a filler made of the remaining ingredients.

No. of Pages : 31 No. of Claims : 12

(22) Date of filing of Application :17/06/2013

(21) Application No.5416/DELNP/2013 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHOTOVOLTAIC DEVICE

| (51) International classification | :H01L21/02,H01L21/36 | (71)Name of Applicant : |
|--|----------------------|--|
| (31) Priority Document No | :61/424492 | 1)FIRST SOLAR INC. |
| (32) Priority Date | :17/12/2010 | Address of Applicant :28101 Cedar Park Boulevard |
| (33) Name of priority country | :U.S.A. | Perrysburg OH 43551 U.S.A. |
| (86) International Application No | :PCT/US2011/065153 | (72)Name of Inventor : |
| Filing Date | :15/12/2011 | 1)PARIKH Viral |
| (87) International Publication No | :WO 2012/083018 | 2)XIONG Gang |
| (61) Patent of Addition to Application | :NA | 3)ALLENIC Arnold |
| Number | :NA | 4)POWELL Rick C. |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In general a photovoltaic module may include a binary semiconductor layer formed from a vapor rich in one component of a binary semiconductor source.

No. of Pages : 15 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :20/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPRESSOR FOR REFRIGERATION AND AIR CONDITIONING AND REFRIGERATING AND AIR CONDITIONING APPARATUS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :PCT/JP2011/079058 :15/12/2011 | (71)Name of Applicant : 1)HITACHI APPLIANCES INC. Address of Applicant :16 1 Kaigan 1 chome Minato ku Tokyo 1050022 Japan (72)Name of Inventor : 1)OTA Ryo 2)ISEKI Takashi 3)ARAKI Kuninari |
|---|---|--|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2012/086518 :NA :NA :NA :NA | |

(57) Abstract :

The purpose of the present invention is to improve the abrasion resistance of a compressor for refrigeration and air-conditioning which utilizes difluoromethane (HFC32) as a cooling medium to thereby improve the long-term reliability of the compressor, and to improve the efficiency of a refrigerating and air-conditioning cycle of a refrigerating and air-conditioning apparatus by the use of the compressor. A compressor (100) is equipped with a cooling medium compression section having a sliding member, and has difluoromethane that acts as a cooling medium and a refrigerating machine oil both enclosed therein, wherein the refrigerating machine oil to be used has a kinematic viscosity of 30-100 mm2/s at 40°C and a lower-temperature-side critical solution temperature between the cooling medium and the refrigerating machine oil is +10°C or lower.

No. of Pages : 59 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F9/50 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :12/975592 | 1)ADVANCED MICRO DEVICES INC. |
| (32) Priority Date | :22/12/2010 | Address of Applicant : P.O. Box 3453 One AMD Place |
| (33) Name of priority country | :U.S.A. | Sunnyvale California 94088 U.S.A. |
| (86) International Application No | :PCT/US2011/066521 | (72)Name of Inventor : |
| Filing Date | :21/12/2011 | 1)MAYHEW David E. |
| (87) International Publication No | :WO 2012/088286 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : SHIFTING OF COMPUTATIONAL LOAD BASED ON POWER CRITERIA

(57) Abstract :

Computational load is shifted into or out of a computational array based on one or more metrics associated with power generation associated with power used by the computational array. The computational load is shifted by supplying data associated with the computational load into or away from the computational array. The one or more metrics include change in amount of available power for the computational array. The computational load is shifted from the computational array to a second computational array supplied with power from a different power generation facility based on an indication of a reduction of the available power for the computational array and sufficient computational capacity of the second computational array.

No. of Pages : 18 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PRESSURE BASED LIQUID FEED SYSTEM FOR SUSPENSION PLASMA SPRAY COATINGS (51) International classification :C23C16/00 (71)Name of Applicant : (31) Priority Document No 1)SULZER METCO (US) INC. :61/423428 (32) Priority Date Address of Applicant :1101 Prospect Avenue Westbury New :15/12/2010 (33) Name of priority country :U.S.A. York 11590 U.S.A. (86) International Application No :PCT/US2011/064919 (72)Name of Inventor : Filing Date :14/12/2011 1)COTLER Elliot M. (87) International Publication No :WO 2012/082902 2)MOLZ Ronald J. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Apparatus (1) for injecting a liquid in an area of a thermal spray gun (100). The apparatus (1) includes an injector cleaning device (10) having an inlet connectable (19) to at least one feedstock supply line (18) an inlet connectable (17) to at least one gas supply line (16) and an inlet connectable (21) to at least one liquid medium supply line (20). An injector (30) orifice is coupled to the injector cleaning device (10) and is adapted to at least one of inject a liquid jet into a hot stream created in the area of the thermal spray gun (100) and receive feedstock gas and liquid passing into the inlets.

No. of Pages : 25 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :09/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : [1 2 4]TRIAZOLOPYRIDINES AND THEIR USE AS PHOSPODIESTERASE INHIBITORS

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International | :C07D471/04,A61K31/437,A61P17/00 0:61/578677 1:21/12/2011 1:U.S.A. 1:PCT/EP2012/076191 | (71)Name of Applicant : 1)LEO PHARMA A/S Address of Applicant :Industriparken 55 DK 2750 Ballerup Denmark (72)Name of Inventor : 1)NIELSEN Simon FeldbĦk 2)LARSEN Jens Christian HÃ,jland |
|--|--|---|
| Application No Filing Date | :19/12/2012 | |
| (87) International Publication No | :WO 2013/092739 | |
| (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 relates to novel [1 2 4]triazolopyridine compounds with phosphodiesterase inhibitory activity as well as to their use as therapeutic agents in the treatment of inflammatory diseases and conditions.

No. of Pages : 28 No. of Claims : 19

(21) Application No.5854/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CYLINDRICAL ROLLER BEARING APPARATUS

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :F16C33/58,B60K17/04,F16H1/28 :61/440557 :08/02/2011 :U.S.A. :PCT/US2012/024316 :08/02/2012 | (71)Name of Applicant : 1)GENERAL ELECTRIC COMPANY Address of Applicant :1 River Road Schenectady NY 12345 U.S.A. (72)Name of Inventor : 1)VALLEJO Carlos A. |
|---|--|--|
| Filing Date (87) International Publication No | :WO 2012/109344 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A cylindrical roller bearing (60) includes an annular outer race (62) an annular inner race (64) a plurality of rollers (68) captured between the inner race (64) and the outer race (62) and a cage (66) operatively connecting together the plurality of rollers (68) for rotating and revolving motion of the rollers (68) between the inner and the outer races. The inner race (64) has an enlarged inner diameter and a reduced thickness relative to the radial loads to be supported.

No. of Pages : 20 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :14/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : TIRE VULCANIZER AND TIRE VULCANIZER MAINTENANCE METHOD

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :PCT/JP2013/067193 :24/06/2013 :WO 2014/069040 :NA | (71)Name of Applicant : 1)MITSUBISHI HEAVY INDUSTRIES MACHINERY TECHNOLOGY CORPORATION Address of Applicant :6 22 Kan on Shin machi 4 chome Nishi ku Hiroshima shi Hiroshima 7338553 Japan (72)Name of Inventor : 1)FUKUDA Hideki 2)MORITA Mitsuru 3)HARADA Yukihisa |
|---|---|--|
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | NA NA | |

(57) Abstract :

The tire vulcanizer is provided with: a support (13) equipped with a platen section (14); a guide member (31) equipped with a flange section (33) on an end the flange section (33) being detachably supported by the rim of a through hole (25) formed in the platen section (14); and a bag head (37) that is slidably inserted in the guide member (31). The bag head (37) is provided with a regulating member (70) for abutting against the guide member (31) when the bag head is inserted into the guide member (31) to a previously set specified position to regulate displacement of the bag head (37) in the insertion direction. The regulating member (70) is installed detachably on the outer circumferential surface of the bag head (37) so as to protrude outward from the outer circumferential surface.

No. of Pages : 37 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :14/07/2014

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :13/401907 :22/02/2012 :U.S.A. :PCT/US2013/026978 :21/02/2013 :WO 2013/126479 :NA :NA | (71)Name of Applicant : 1)THE PROCTER & GAMBLE COMPANY Address of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor : 1)SCHNEIDER Uwe 2)BLESSING Horst 3)JACKELS Hans Adolf |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : APPARATUSES AND METHODS FOR SEAMING SUBSTRATES

(57) Abstract :

A method of joining substrate portions includes positioning the substrate portions such that the substrate portions overlap at an overlap area. The substrate portions each have a melting temperature and an outer surface. A fluid is heated to a temperature sufficient to at least partially melt the substrate portions. A jet of the heated fluid is directed from a fluid orifice onto the substrate portions at the overlap area. The heated fluid penetrates at least one of the outer surfaces of the substrate portions. The substrate portions are at least partially melted using the heated fluid. The substrate portions are compressed using a pressure applying surface adjacent the fluid orifice to join the substrate portions together at the overlap area.

No. of Pages : 43 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SURFACE POLYMERISATION PROCESS AND POLYMER PRODUCT USING RAFT AGENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on | :C08F 2/18 :2004905729 :04/10/2004 :Australia :PCT/AU2005/001512 :04/10/2005 :WO 2006/037161 :NA :NA :NA :2906/DELNP/2007 :18/04/2007 | (71)Name of Applicant : 1)UNIVERSITY OF SYDNEY Address of Applicant :SYDNEY, NEW SOUTH WALES 2006, AUSTRALIA Australia (72)Name of Inventor : 1)HAWKETT, BRIAN STANLEY 2)SUCH, CHRISTOPHER HENRY 3)NGUYEN, DUC NGOC 4)FARRUGIA, JASON MICHAEL 5)MACKINNON, OLGA MAREE |
|--|--|--|
|--|--|--|

(57) Abstract :

A method of polymerising monomer to form polymer at the surface of participate material, said method comprising: providing a dispersion of said particulate material in a continuous liquid phase, said dispersion comprising a RAFT agent as a stabiliser for said particulate material, and said continuous liquid phase comprising one or more ethylenically unsaturated monomers; and polymerising said one or more ethylenically unsaturated monomers under the control of said RAFT agent to thereby form polymer at the surface of said particulate material.

No. of Pages : 139 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : MELT DELIVERY ASSEMBLY INCLUDING FRAME ASSEMBLY POSITIONED OUTSIDE OF PLATEN ENVELOPE AND HAVING MULTIPLE OUTLET ASSEMBLY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :61/431021 :09/01/2011 :U.S.A. :PCT/CA2011/050756 :08/12/2011 :WO 2012/092658 :NA :NA | (71)Name of Applicant : 1)HUSKY INJECTION MOLDING SYSTEMS LTD. Address of Applicant :500 Queen Street South Bolton Ontario L7E 5S5 Canada (72)Name of Inventor : 1)GALT John Robert |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A melt delivery assembly (200) comprising: a frame assembly (202) being positioned outside of a platen envelope (153) being defined by a platen assembly (150) the frame assembly (202) being configured to receive a melt from a melt preparation assembly (110) and the frame assembly (202) including: a multiple outlet assembly (204) being configured to fluidly deliver the melt to multiple conduits (207) toward the platen envelope (153).

No. of Pages : 30 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :30/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NOVEL DIHYDROXYBENZENE DERIVATIVES AND ANTIPROTOZOAL AGENT COMPRISING SAME AS ACTIVE INGREDIENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07C47/56,A61K31/11,A61K31/12 :2010258343 :01/11/2010 :Japan :PCT/JP2011/075216 :01/11/2011 ⁿ :WO 2012/060387 :NA :NA :NA | (71)Name of Applicant : 1)aRigen Pharmaceuticals Inc. Address of Applicant :6 5 55 Minamiaoyama Minato ku Tokyo 1070062 Japan (72)Name of Inventor : 1)SAIMOTO Hiroyuki 2)KITA Kiyoshi 3)YABU Yoshisada 4)YAMAMOTO Masaichi |
|--|--|---|
|--|--|---|

(57) Abstract :

Novel compounds represented by formula (I) are useful for preventing or treating diseases caused by protozoans. Use is made of one or more members selected from among compounds represented by formula (I), optical isomers thereof and pharmaceutically acceptable salts of the same. In formula (I): X represents a hydrogen atom or a halogen atom; R1 represents a hydrogen atom; R2 represents a hydrogen atom or a C1-7 alkyl group; R3 represents -CHO, -C(=O)R5, -COOR5 [wherein R5 represents a C1-7 alkyl group], -CH2OH or -COOH; and R4 represents a C1-16 alkyl group having various substituent(s) on a terminal carbon atom and/or a non-terminal carbon atom, a C2-16 alkenyl group having various substituent(s) on a terminal carbon atom and/or a non-terminal carbon atom, or a C2-16 alkynyl group having various substituent(s) on a terminal carbon atom and/or a non-terminal carbon atom.

No. of Pages : 134 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : TASTE MASKED PHARMACEUTICAL COMPOSITION

| (51) International alassification | × × × × × × × × × × × × × × × × × × × | (71) Name of Applicant. |
|-----------------------------------|---------------------------------------|---|
| | 1:A61K9/00,A61K9/50,A61K31/55 | |
| (31) Priority Document No | :11177354.5 | 1)BOEHRINGER INGELHEIM VETMEDICA GMBH |
| (32) Priority Date | :12/08/2011 | Address of Applicant : Binger Strasse 173 55216 Ingelheim |
| (33) Name of priority country | :EPO | Am Rhein Germany |
| (86) International Application | :PCT/EP2012/065680 | (72)Name of Inventor : |
| No | :10/08/2012 | 1)FOLGER Martin |
| Filing Date | 10/08/2012 | 2)LEHNER Stefan |
| (87) International Publication | :WO 2013/024023 | 3)GRAVE Annette |
| No | WO 2015/024025 | 4)POELLINGER Norbert |
| (61) Patent of Addition to | .NI A | 5)SEIDLER Randolph |
| Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application | | |
| | :NA | |
| Number | :NA | |
| Filing Date | .1.11.1 | |

(57) Abstract :

This application relates to taste masked multi layered particles comprising a pharmaceutically active ingredient comprising: (a) an inert core (b) one or more coating layer(s) comprising the pharmaceutically active ingredient and a binder (c) an intermediate coating layer (seal coating) free from a low molecular weight water soluble ionic compound comprising a water soluble pharmaceutical film forming compound selected from (i) HPMC and PEG or (ii) PVP and (d) an outer coating layer (final or taste masking coating) free from a low molecular weight water soluble ionic compound comprising (i) a poly(meth)acrylate or (ii) a mixture comprising 60 90% (w/w) EC and 10 40% (w/w) HPMC wherein the pharmaceutically active ingredient is water soluble and comprises either at least one basic group and/or a bitter taste. Further disclosed are methods for the production of such particles and pharmaceutical compositions comprising them.

No. of Pages : 92 No. of Claims : 74

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :17/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : TIME RELEASED BIODEGRADABLE OR BIOERODIBLE MICROSPHERES OR MICROPARTICLES SUSPENDED IN A SOLIDIFYING DEPOT FORMING INJECTABLE DRUG FORMULATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :A61K9/00,A61K9/06,A61K9/50 :61/589681 :23/01/2012 :U.S.A. :PCT/US2013/022466 :22/01/2013 | 1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California 92612 U.S.A. (72)Name of Inventor : 1)MARSH David A. |
|---|--|---|
| Filing Date (87) International Publication No. | o:WO 2013/112434 | 2)RIVERS Hongwen Ma |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A composite drug delivery material may be injected into an eye of a human being or mammal to provide sustained delivery of the drug. A composite drug delivery material may include a plurality of microparticles dispersed in a media composition. The microparticles may contain a drug and a coating comprising a bioerodible material or a biodegradable material and the media composition includes the drug dispersed in a depot forming material. The media composition may gel or solidify upon injection into the eye.

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

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : INCLINED | GRAVITY CASTING DE | VICE |
|---|--------------------|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)MORIKAWA KANAGATA CO. LTD. Address of Applicant :5 17 Takaidahondori 2 chome Higashiosaka shi Osaka 5770066 Japan (72)Name of Inventor : 1)MORIKAWA Shunichi 2)YANO Tadayuki |

(57) Abstract :

To provide an inclined gravity casting apparatus which eliminates the need for a riser with which a long runner can be avoided making clogging of the melt unlikely to occur and with which temperature management of the melt is easily carried out. [Solution] This inclined gravity casting apparatus (1) is an inclined gravity casting apparatus provided with: a casting mold (2) inside which is formed a product forming space (3) for shaping a molded article and which receives the melt from a pouring gate (8); a ladle (5) having a reservoir part (52) capable of holding the melt and a plate shaped opening/closing element (51) which abuts the casting mold and in which is formed a fill port (53) alignable to the pouring gate; and a gas supply part (6) for supplying a gas into the product forming space. The ladle is slidably attached to the casting mold and is slidable between an open state in which the fill port is aligned to the pouring gate and a blocked state in which the pouring gate is blocked by the opening/closing element.

No. of Pages : 31 No. of Claims : 3

(22) Date of filing of Application :24/06/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : FUNGICIDAL N BICYCLOALKYL AND N TRICYCLOALKYL PYRAZOLE 4 (THIO) CARBOXAMIDE DERIVATIVES

| classification (31) Priority Document No :1 (32) Priority Date :3 (33) Name of priority country :1 (86) International :1 Application No :1 (87) International :1 Publication No (61) Patent of Addition to Application Number :1 Filing Date :1 (62) Divisional to Application Number :1 | C07D231/14,C07D231/16,A01N43/56 | (71)Name of Applicant : 1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789 Monheim Germany (72)Name of Inventor : BENTING JÃ¹/4rgen BRUNET Stéphane COQUERON Pierre Yves CRISTAU Pierre DAHMEN Peter DESBORDES Philippe GREUL Jörg LACHAISE HélÃⁿne SCHMIDT Jan Peter NSCHMIDT Jan Peter VORS Jean Pierre WACHENDORFF NEUMANN Ulrike |
|---|---------------------------------|---|
|---|---------------------------------|---|

(57) Abstract :

The present invention relates to fungicidal N bicycloalkyl and N tricycloalkyl pyrazole 4 (thio)carboxamide derivatives of formula (I) wherein $\hat{a} \in \phi$ T represents 0 or S; $\hat{a} \in \phi$ n represents 0 or 1; and $\hat{a} \in \phi$ B represents where the bond marked by * is attached to the (CZ2Z3)n N amide moiety their process of preparation and intermediate compounds for their preparation their use as fungicides particularly in the form of fungicidal compositions and methods for the control of phytopathogenic fungi of plants using these compounds or their compositions.

No. of Pages : 76 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :01/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI CCR4 ANTIBODIES AND USES THEREOF

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :07/12/2010 :U.K. :PCT/GB2011/052421 :07/12/2011 :WO 2012/076883 :NA | (71)Name of Applicant : 1)AFFITECH RESEARCH AS Address of Applicant :Oslo Research Park Gaustadalléen 21 N 0349 Oslo Norway 2)RIGBY Barbara (72)Name of Inventor : 1)HAGEMANN Urs Beat 2)GRIEP Remko Albert 3)REIERSEN Herald 4)KIPRIJANOV Sergej Michailovic |
|--|---|--|
| Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present disclosure provides antibodies which bind to an epitope in the extracellular domain of human CC chemokine receptor 4 (CCR4) and which are capable of inhibiting the binding of macrophage - derived chemokine (MDC) and/or thymus and activation regulated chemokine (TARC) to CCR4. Also provided are inter alia immunoconjugates and compositions comprising such antibodies and methods and uses involving such antibodies, particularly in the medical and diagnostic fields.

No. of Pages : 226 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :04/07/2013

(43) Publication Date : 13/05/2016

| D METHOD FOR FAIL | OVER |
|---|---|
| :G06F 11/20 :10/718,616 :24/11/2003 :U.S.A. :PCT/CA2004/000038 :12/01/2004 :WO 2005/050449 :NA | (71)Name of Applicant : 1)TSX INC. Address of Applicant :THE EXCHANGE TOWER, 130 KING STREET WEST, TORONTO, ONTARIO M5X 1J2, |
| :NA :2921/DELNP/2006 :12/01/2004 | |
| | :10/718,616 :24/11/2003 :U.S.A. :PCT/CA2004/000038 :12/01/2004 :WO 2005/050449 :NA :NA |

(57) Abstract :

The present invention provides a novel system and method for failover. In an embodiment, a primary server and a backup server are available to a plurality of clients. Messages containing requests are processed by the primary server, while a,mirror image of transaction records generated by the processing of those requests is maintained in volatile memory of both the , primiry server and the backup server. In this mode of operation, the volatile memory is periodically flushed to non-volati e memory.

No. of Pages : 49 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :04/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : USING ALKALINE FLY ASH AND SIMILAR BYPRODUCTS IN AN ION EXCHANGE/REVERSE OSMOSIS PROCESS FOR THE PRODUCTION OF SODIUM CARBONATE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA : - : :PCT/IB2010/003162 :08/12/2010 :WO 2012/076915 :NA :NA :NA | (71)Name of Applicant : OLFI Mohammed Address of Applicant :ENGSL FZE P.O. Box 112033 Abu Dhabi U.A.E. PARHAT Tarek R. (72)Name of Inventor : OLFI Mohammed FARHAT Tarek R. |
|--|--|--|
| Filing Date | :NA :NA | |

(57) Abstract :

The proposed invention uses industrial byproducts such as fly ash in an ion exchange/reverse osmosis (IE/RO) patented technology to sequester carbon dioxide CO2 gas and produce 6 to 7% sodium carbonate (Na2CO3) liquor. Similar materials encompass alkaline Fly Ash (AFA) liquor, alkaline red mud (ARM), coal ash, wood ash, and similar natural byproduct materials that are rich in metallic oxides. The process uses AFA or ARM at the input of an IE/RO process where the hydroxides (OH") get extracted and concentrated for CO2 gas sequestration. The remaining insoluble byproduct material is used in civil works such as construction and road industry. Ion exchange modules are used to remove all multivalent ionic impurities while a reverse osmosis (RO) skid concentrates the carbonated liquor up to 6 to 7% liquor (or 10% in advanced RO). The process is not an electrochemical chloro-alkali battery nor related to the ammonical Solvay process. The invention is inherently harnessed for carbon capture in the production of soda chemicals from waste alkaline byproducts. There are similarities in the hardware of patent # WIPO Patent App. No.PCT/IB2009/007713.

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITIONS CONTAINING ISOSORBIDE MONOESTER AND ALCOHOLS THAT CONTAIN AT LEAST ONE AROMATIC GROUP

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/EP2012/003253 :31/07/2012 :WO 2013/017264 :NA :NA | (71)Name of Applicant : 1)CLARIANT INTERNATIONAL LTD Address of Applicant :Rothausstrasse 61 CH 4132 Muttenz Switzerland (72)Name of Inventor : 1)PILZ Maurice Frederic 2)KLUG Peter 3)SCHERL Franz Xaver 4)GROHMANN Joerg |
|---|--|--|
| Number Filing Date | | |

(57) Abstract :

The invention relates to compositions containing a) one or more compounds of the formula (I) in which R is a linear or branched saturated alkyl group with 5 to 11 carbon atoms or a linear or branched mono or polyunsaturated alkylene group with 5 to 11 carbon atoms and b) one or more alcohols that contain at least one aromatic group. The compositions are characterized in particular by an advantageous antimicrobial effect.

No. of Pages : 89 No. of Claims : 16

(22) Date of filing of Application :09/07/2014

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :1251217 :09/02/2012 :France :PCT/EP2013/051845 | |
|--|--|--|
| Filing Date | :31/01/2013 | 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. |
| (87) International Publication No | :WO 2013/117477 | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)LARDJANE Aurore 2)LE CLERC Christophe |
| Filing Date | :NA | 3)MOREL JEAN Jacques |
| (62) Divisional to Application Number | :NA | 4)VERLEENE Arnaud |
| Filing Date | :NA | |

(54) Title of the invention : RADIAL TYRE WITH LIGHTENED BELT STRUCTURE

(57) Abstract :

Radial tyre notably for a passenger vehicle or light van with a lightened belt structure (10) comprising a multilayer composite laminate (10a 10b 10c) of specific construction with a first layer (10a) of rubber (Cl) containing circumferential textile reinforcements (110) which are heat shrinkable made of polyester for example of PET or PEN this first layer radially (in the direction Z) surmounting two other layers (10b 10c) of rubber (respectively C2 C3) reinforced with monofilaments (120 130) of high strength steel; this multilayer composite laminate makes it possible to reduce the weight and rolling resistance of tyres without adversely affecting the cornering stiffness and therefore road holding while at the same time offering road running endurance that is at least equal if not improved.

No. of Pages : 24 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :22/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PARTIAL MHC CONSTRUCTS AND METHODS OF USE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :A61K39/00,C07K14/74 :61/584045 :06/01/2012 :U.S.A. :PCT/US2013/020287 :04/01/2013 :WO 2013/103816 | (71)Name of Applicant : 1)OREGON HEALTH & SCIENCE UNIVERSITY Address of Applicant :0690 SW Bancoft Street (Mail Code L106TT) Portland OR 97239 U.S.A. 2)THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS (72)Name of Inventor : |
|---|--|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | (72)Name of inventor . 1)VANDENBARK Arthur A. 2)BURROWS Gregory G. 3)MEZA ROMERO Roberto 4)BENEDEK Gil 5)ANDREW Shayne 6)MOONEY Jeffery |

(57) Abstract :

Disclosed herein are isolated major histocompatibility complex (MHC) class II al domain polypeptides and methods of use. In some embodiments the isolated polypeptide comprises or consists of an MHC class H al domain polypeptide (or portion thereof) and does not include an MHC class II a2 ÅŸ1 or ÅŸ2 domain. The disclosed MHC class H al domain polypeptides are of use in treating or inhibiting disorders in a subject such as inflammatory and/or autoimmune disorders. Also disclosed are methods of evaluating efficacy of treatment or optimizing treatment of a subject with a polypeptide including an MHC class II al domain polypeptide (or portion thereof) or a polypeptide including an MHC class II al domain and ÅŸ1 domain (such as a ÅŸ1a1 RTL).

No. of Pages : 152 No. of Claims : 57

(19) INDIA

(22) Date of filing of Application :22/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE PREPARATION OF VILAZODONE OR ITS PHARMACEUTICALLY ACCEPTABLE SALTS

| (51) International classification(31) Priority Document No(32) Priority Date | :C07D405/12 :281/DEL/2012 :01/02/2012 | (71)Name of Applicant : 1)RANBAXY LABORATORIES LIMITED Address of Applicant :Head Office: 12th Floor Devika Tower |
|--|---|--|
| (33) Name of priority country | :India | 06 Nehru Place New Delhi Delhi 110019 Delhi India |
| (86) International Application No | :PCT/IB2013/050881 | (72)Name of Inventor : |
| Filing Date | :01/02/2013 | 1)DAS Prasenjit |
| (87) International Publication No | :WO 2013/114338 | 2)SRIVASTAVA Bindu |
| (61) Patent of Addition to Application | :NA | 3)MAHESHWARI Nitin |
| Number | :NA :NA | 4)MEERAN Hashim Nizar Poovanathil Nagoor |
| Filing Date | .INA | 5)PRASAD Mohan |
| (62) Divisional to Application Number | :NA | 6)ARORA Sudershan Kumar |
| Filing Date | :NA | |

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(57) Abstract :

The present invention relates to a process for the preparation of vilazodone or its pharmaceutically acceptable salts. The present invention further provides a crystalline form of vilazodone free base.

No. of Pages : 16 No. of Claims : 13

(21) Application No.6142/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FILTERING MEDIUM FOR FLUID PURIFICATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B01D39/06,C02F1/00,C02F1/50 :61/441064 :09/02/2011 :U.S.A. :PCT/EP2012/052001 :07/02/2012 fo:WO 2012/107422 :NA :NA :NA | (71)Name of Applicant : HÃ-GANÃ,,S AB (Publ) Address of Applicant :Bruksgatan 35 S 26383 Höganäs Sweden (72)Name of Inventor : GORE Avinash HU Bo LUC Sydney |
|--|---|---|
|--|---|---|

(57) Abstract :

The present invention concerns a filtering medium a method for the production thereof the use of said filtering medium and a method for reducing the content of multiple contaminants simultaneously in fluids by means of said filtering medium wherein said filtering medium consists of or comprises at least one of the following: a mixture (A) containing a major part of an iron based powder and a minor part of a silver powder an iron silver powder alloy (B) and an iron based porous and permeable composite containing silver (C).

No. of Pages : 29 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :17/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD OF DELAYING CROSSLINKING IN WELL TREATMENT OPERATION :C09K8/68,C09K8/88 (71)Name of Applicant : (51) International classification (31) Priority Document No **1)BAKER HUGHES INCORPORATED** :13/364474 (32) Priority Date :02/02/2012 Address of Applicant :2929 Allen Parkway Suite 2100 (33) Name of priority country Houston TX 77019 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/023982 (72)Name of Inventor : Filing Date :31/01/2013 1)GUPTA D.v. Satyanarayana (87) International Publication No :WO 2013/116422 2)CAWIEZEL Kay Elaine (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Crosslinking of a crosslinkable viscosifying agent and a crosslinking agent may be delayed in a well treatment fluid by incorporated within the fluid a glutamic N N diacetic acid salt such as a glutamic N N diacetic acid sodium salt like tetrasodium glutamate diacetate. The crosslinking agent may be a zirconium containing crosslinking agent like zirconium (IV) acetyl acetonate. The viscosifying agent may be guar or a guar derivative such as carboxyalkyl guars and hydroxyalkylated guars like carboxymethyl guar hydroxybutyl guar and carboxymethylhydroxypropyl guar.

No. of Pages : 19 No. of Claims : 22

(21) Application No.6002/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : ORIENTED IMPACT COPOLYMER POLYPROPYLENE FILM

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :C09J7/02,B32B27/08,C08L23/12 :61/592659 :31/01/2012 :U.S.A. :PCT/US2013/024003 :31/01/2013 :WO 2013/116434 | (71)Name of Applicant : 1)AVERY DENNISON CORPORATION Address of Applicant :150 N. Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor : 1)HENDERSON Kevin O. |
|---|---|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

Label facestock and label assemblies utilizing the facestock are described. The label facestock includes impact copolymer polypropylene (ICP). The label facestock is also axially oriented.

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

(19) INDIA

(22) Date of filing of Application :17/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : MOVABLE BODY POSITION MEASURING SYSTEM CENTRAL STATION QUESTION CONTROL METHOD USED THEREIN AND STORAGE MEDIUM ON WHICH PROGRAM THEREOF HAS BEEN STORED

| (31) Priority Document No(32) Priority Date | :G01S13/78,G01S13/91,G01S5/06 :2012030050 :15/02/2012 | 1)NEC CORPORATION Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo |
|---|--|---|
| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :Japan :PCT/JP2013/000439 :28/01/2013 :WO 2013/121709 :NA :NA | 1088001 Japan (72)Name of Inventor : 1)KONDO Tempei 2)SATO Takeshi 3)KITAJIMA Masaaki |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A movable body measuring system comprises: a plurality of receiving stations (1 1 to 1 4) that receive response signals from a movable body (aircraft 5); and a central station (3) that measures the position of the movable body on the basis of the reception times at which the plurality of receiving stations receive the response signals. At the central station the geometrical position of the movable body is measured from the reception times of the plurality of receiving stations. The movable body position measuring system includes at least one or more transmitting apparatuses (transmitting/receiving station(s) 2) that transmit to the movable body question signals used for acquiring the response signals. The central station (3) comprises: a question signal determining means that determines the question signals to be transmitted by the transmitting apparatuses and that determines transmission times at which the question signals are to be transmitted by the transmitting apparatuses; a generating means that generates as question control information the determined question signals and transmission times; and a means that sends to the transmitting apparatuses the question control information generated by the generating means. This provides a movable body position measuring system that can improve the reliability and safety of multi lateration system.

No. of Pages : 38 No. of Claims : 22

(21) Application No.6004/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : STACKED INTEGRATED COMPONENT MEDIA INSERT FOR AN OPHTHALMIC DEVICE

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :G02C7/04,G02C7/08,H01L23/58 :13/358571 :26/01/2012 :U.S.A. :PCT/US2013/023182 :25/01/2013 :WO 2013/112862 | JOHNSON & JOHNSON VISION CARE INC. Address of Applicant :7500 Centurion Parkway Jacksonville Florida 32256 U.S.A. (72)Name of Inventor : PUGH Randall B. FLITSCH Frederick A. OTTS Daniel B. RIALL James Daniel |
|---|--|--|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 5)TONER Adam |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method for forming a stacked integrated component layer insert and a stacked integrated component layer insert is described. The component layer insert comprises substrate layers with functionality. The substrate layers are assembled to form electrical interconnections between the substrate layers creating a stacked feature. The stacked feature is encapsulated with a material for bonding within the body of a molded ophthalmic lens.

No. of Pages : 45 No. of Claims : 20

(22) Date of filing of Application :27/01/2014

(54) Title of the invention : DENGUE VIRUS SEROTYPE NEUTRALIZING ANTIBODIES

(71)Name of Applicant : 1)OSAKA UNIVERSITY Address of Applicant :1 1 Yamadaoka Suita shi Osaka 5650871 Japan 2) THE RESEARCH FOUNDATION FOR MICROBIAL DISEASES OF OSAKA UNIVERSITY (51) International classification :C07K16/10 3)MEDICAL AND BIOLOGICAL LABORATORIES CO. (31) Priority Document No :61/532605 LTD (32) Priority Date :09/09/2011 4)Mahidol University (33) Name of priority country :U.S.A. 5)Department of Medical Sciences (DMSc) (86) International Application No :PCT/JP2012/005699 (72)Name of Inventor : Filing Date :07/09/2012 1)Setthapramote Chayanee (87) International Publication No :WO 2013/035345 2)Sasaki Tadahiro (61) Patent of Addition to Application 3)Kuhara Motoki :NA Number 4)Ramasoota Pongrama :NA Filing Date 5)Thattiyaphong Aree (62) Divisional to Application Number 6)Anantapreecha Surapee :NA Filing Date 7)Sawanpanyalert Pathom :NA 8)Okuno Yoshinobu 9)Ikuta Kazuvoshi 10)A nuegoonpipat Atchareeya 11)Dhepakson Panadda 12)Prachasuphap Apichai 13)Pattarin Prawatsilpa

(57) Abstract :

Materials and methods are provided for treating dengue infections. Human monoclonal antibodies against all serotypes of dengue virus are also provided. Methods of using human monoclonal antibodies to neutralize all dengue virus serotypes are provided using patients peripheral blood lymphocytes.

No. of Pages : 215 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CROSS LINKING METHOD AND ASSOCIATED DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :C09J7/02,B65H20/22,C08G18/10 :1061294 :28/12/2010 :France :PCT/IB2011/055957 :26/12/2011 :WO 2012/090151 | (71)Name of Applicant : 1)BOSTIK SA Address of Applicant :253 Avenue du Président Wilson F 93210 La Plaine Saint Denis France (72)Name of Inventor : 1)CHARTREL Jean François 2)GOUBARD David 3)SAJOT Nicolas |
|--|---|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 4)DE JONGE Johan Gerrit Jan |

(57) Abstract :

The invention relates to a method for cross linking a cross linkable adhesive composition without solvent on a film comprising driving and/or guiding said film in a climatic chamber by a Caroll type drive or guide. The invention also relates to a climatic chamber comprising a Caroll type drive or guide The invention also relates to a process for manufacturing a self adhesive article comprising at least a substrate and an adhesive layer said process comprising the steps of a) conditioning an adhesive composition at a temperature of between 20 and $16\hat{A}^{\circ}C$; b) coating the adhesive composition b1) onto at least a part of the substrate or b2) onto a non sticking support; submitting the article obtained at step b) to a controlled atmosphere. The invention also relates to self adhesive articles having high coating weights and to processes for bonding them.

No. of Pages : 48 No. of Claims : 42

(19) INDIA

(22) Date of filing of Application :03/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : MOLECULAR TEMPLATE AND METHOD FOR PRODUCING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :G01N33/53,G01N21/27,G01N33/543 :2011217179 :30/09/2011 :Japan :PCT/JP2012/065727 :20/06/2012 :WO 2013/046826 :NA :NA | (71)Name of Applicant : 1)HITACHI LTD. Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku Tokyo 1008280 Japan (72)Name of Inventor : 1)TAKEUCHI Toshifumi 2)TANIGUCHI Shinichi 3)AKAMATSU Naotoshi |
|--|---|--|
| Filing Date | | |

(57) Abstract :

A method for detecting a chemical and a detection device whereby a chemical is captured by a scavenger and thus detected said scavenger being produced by using a molecular template. The present invention provides a chemical sensor which is easy to use not only for medical experts (e.g. medical doctors clinical technologists and nurses) but also for general domestic consumers. In particular the present invention addresses the problem of highly sensitively detecting a steroid hormone such as cortisol said hormone closely relating to a stress disorder and thus diagnosing the stress disorder in early stage on the basis of the sign to thereby contribute to the prevention and prompt therapy thereof. Provided is a molecular template of a steroid hormone said molecular template comprising a polymer capable of interacting with the steroid hormone. The polymer preferably contains per polymer unit at least two functional groups that are capable of interacting with the steroid hormone.

No. of Pages : 53 No. of Claims : 19

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS FOR DATA COLLECTION AND DISTRIBUTION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :61/507531 | (71)Name of Applicant : 1)THE MULTIPLE MYELOMA RESEARCH FOUNDATION INC. Address of Applicant :383 Main Avenue 5th Floor Norwalk CT 06851 U.S.A. (72)Name of Inventor : 1)GIUSTI Kathyrn E. 2)CAPONE Walter 3)PERKINS Louise |
|---|------------|---|
|---|------------|---|

(57) Abstract :

Provided are methods of performing research in which participation is incentivized by early access to the data and samples collected. Also provided are methods for distributing research data.

No. of Pages : 106 No. of Claims : 83

(19) INDIA

(22) Date of filing of Application :09/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DIIMMONIUM BASED COMPONENT AND NEAR INFRARED ABSORPTION FILTER USING SAME

| :C07C251/16,C07F5/05,G02B5/22 :1020100136942 :28/12/2010 :Republic of Korea :PCT/KR2011/010082 :26/12/2011 :WO 2012/091379 :NA :NA | (71)Name of Applicant : 1)SK CHEMICALS CO. LTD. Address of Applicant :686 Sampyeong dong Bundang gu Seongnam Si Gyeonggi do 463 400 Republic of Korea (72)Name of Inventor : 1)KANG Ju Sik 2)PARK Jeong Ho 3)CHANG Yu Mi |
|--|---|
| :NA :NA | |
| | :1020100136942 :28/12/2010 :Republic of Korea :PCT/KR2011/010082 :26/12/2011 :WO 2012/091379 :NA :NA :NA |

(57) Abstract :

Provided is a novel diimmonium based component having low light absorption in the visible region and superior light absorption efficiency in the near infrared region and having superior durability and weather resistance as well as a near infrared absorption filter. The diimmonium based component is expressed by chemical formula 1 of claim 1.

No. of Pages : 15 No. of Claims : 2

(22) Date of filing of Application :18/07/2013

(21) Application No.6445/DELNP/2013 A

(43) Publication Date : 13/05/2016

| (54) Title of the invention : ORAL CARE | E COMPOSITIONS | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61Q11/00 :61/439550 :04/02/2011 :U.S.A. :PCT/US2011/054905 :05/10/2011 :WO 2012/106016 :NA :NA :NA :NA | (71)Name of Applicant : COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor : I)VOGT Robert 2)KOHRS Karsten 3)PILCH Shira 4)KHAN Najma 5)PIMENTA Paloma 6)SULLIVAN Richard Joseph |

(57) Abstract :

Described herein are oral care compositions comprising a surfactant system; a structuring agent and a lipophilic agent; and methods of making and using the same.

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

(22) Date of filing of Application :18/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LED LAMP LIGHTING CONTROL CIRCUIT AND LED LAMP LIGHTING CONTROL METHOD

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :PCT/JP2012/076928 :18/10/2012 :WO 2014/061127 :NA :NA :NA | (71)Name of Applicant : 1)SHINDENGEN ELECTRIC MANUFACTURING CO. LTD. Address of Applicant :2 1 Ohtemachi 2 chome Chiyoda ku Tokyo 1000004 Japan (72)Name of Inventor : 1)FUJII Motonobu |
|---|--|---|
| Filing Date | :NA | |

(57) Abstract :

An LED lamp lighting control circuit of the present invention is provided with the following: a first input terminal to which is connected one end of a coil of a single phase alternating current power generator the other end of which is connected to a ground; a second input terminal to which is connected a cathode side of an LED element an anode side of which is connected to the ground; an output terminal to which a load is connected; a ground terminal to which the ground is connected; a first switch element one end of which is connected to the first input terminal and the other end of which is connected to the second input terminal; a first control circuit for controlling the first switch element; a second switch element one end of which is connected to the output terminal and the other end of which is connected to the second switch element.

No. of Pages : 41 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : GREASE COMPOSITION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :13/12/2010 :France :PCT/IB2011/055622 :12/12/2011 :WO 2012/080940 :NA | (71)Name of Applicant : 1)TOTAL RAFFINAGE MARKETING Address of Applicant :24 Cours Michelet F 92800 Puteaux France (72)Name of Inventor : 1)BARDIN Franck |
|--|---|---|
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a grease composition comprising: at least one mineral based synthetic based or natural based oil; a thickener predominantly consisting of at least one simple or complex aluminium soap; at least one molybdenum dithiocarbamate; and graphite. The invention can be used for the lubrication of open systems.

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

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : GREASE COMPOSITION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :13/12/2010 :France :PCT/IB2011/055621 :12/12/2011 :WO 2012/080939 :NA :NA | (71)Name of Applicant : 1)TOTAL RAFFINAGE MARKETING Address of Applicant :24 Cours Michelet F 92800 Puteaux France (72)Name of Inventor : 1)BARDIN Franck |
|---|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a grease composition comprising: at least one mineral based or synthetic based oil individually or in a mixture; at least one fatty acid simple or complex metal soap as a thickener; at least one molybdenum dithiocarbamate; and graphite. The invention can be used for constant velocity joints of motor vehicle transmissions.

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

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND APPARATUS FOR DATA CHANNEL AUGMENTED AUTO ATTENDED VOICE RESPONSE SYSTEMS

| (51) International classification | :H04M11/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :12/951018 | 1)MITTAL Millind |
| (32) Priority Date | :20/11/2010 | Address of Applicant :800 E. Charleston Rd #29 Palo Alto |
| (33) Name of priority country | :U.S.A. | California 94303 U.S.A. |
| (86) International Application No | :PCT/US2011/061483 | (72)Name of Inventor : |
| Filing Date | :18/11/2011 | 1)MITTAL Millind |
| (87) International Publication No | :WO 2012/068510 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(57) Abstract :

Method of using smartphones to navigate remote auto attendant telephony systems with menu structures. The auto attendant s menu structure is put into an online computer database. When the caller uses the smart phone to call and establish a voice channel with the telephony system (using the telephone number of that system) software applications running on the caller s smartphone communication device intercept the telephone number and along with the voice channel also establish a data channel with the online database. The caller s smartphone can then retrieve at least some of the menu structure of the auto attendant telephony system through this data channel. This application software displays at least some of the menu structure of the remote auto attendant telephony system on the graphical user interface of the user s smartphone synchronized with the audio delivery of the menu structure facilitating interactions with the auto attendant system.

No. of Pages : 39 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :19/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR EVALUATION OF REGENERATED CARTILAGE

| (31) Priority Document No(32) Priority Date | a:G01N33/50,A61F2/28,A61L27/00 :2011009253 :19/01/2011 :Japan :PCT/JP2012/050811 :17/01/2012 :WO 2012/099104 | (71)Name of Applicant : 1)FUJISOFT INCORPORATED Address of Applicant :1 1 Sakuragicho Naka ku Yokohama shi Kanagawa 2318008 Japan 2)The University of Tokyo (72)Name of Inventor : 1)HOSHI Kazuto 2)TAKATO Tsuyoshi |
|---|--|--|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :NA :NA :NA | 3)HARAI Motohiro |
| Number Filing Date | :NA | |

(57) Abstract :

A method for evaluating a regenerated cartilage according to an embodiment comprises leaving a group of cells containing auricular cartilage cells to stand in the presence of a culture medium, subsequently collecting at least a portion of a liquid component from the culture medium, measuring the amount of GFAP contained in the collected liquid component, and determining whether or not a regenerated cartilage that has been obtained or can be obtained from the group of cells is suitable for transplantation on the basis of the amount of GFAP contained.

No. of Pages : 41 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :19/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS FOR NON INVASIVE PRENATAL PATERNITY TESTING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G06F19/00,C07H21/04 :61/426208 :22/12/2010 :U.S.A. :PCT/US2011/066938 :22/12/2011 :WO 2012/088456 :NA :NA :NA :NA | (71)Name of Applicant : NATERA INC. Address of Applicant :2686 Middlefield Road Suite C Redwood City California 94063 U.S.A. (72)Name of Inventor : RYAN Allison SIGURJONSSON Styrmir BANJEVIC Milena GEMELOS George HILL Matthew BANER Johan RABINOWITZ Matthew |
|---|--|---|
|---|--|---|

(57) Abstract :

Methods for non invasive prenatal paternity testing are disclosed herein. The method uses genetic measurements made on plasma taken from a pregnant mother along with genetic measurements of the alleged father and genetic measurements of the mother to determine whether or not the alleged father is the biological father of the fetus. This is accomplished by way of an informatics based method that can compare the genetic fingerprint of the fetal DNA found in maternal plasma to the genetic fingerprint of the alleged father.

No. of Pages : 96 No. of Claims : 42

(19) INDIA

(22) Date of filing of Application :19/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NEXT HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTI PATH PACKET SWITCHING NETWORKS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :H04L12/28 :61/443993 :17/02/2011 :U.S.A. :PCT/US2012/025552 :17/02/2012 | (71)Name of Applicant : 1)ROCKSTAR CONSORTIUM US LP Address of Applicant :Legacy Town Center I 7160 N. Dallas Parkway Suite 250 Plano TX 75024 U.S.A. (72)Name of Inventor : 1)CHIABAUT Jerome |
|--|---|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2012/112834 :NA :NA :NA :NA | |

(57) Abstract :

Next hop computation functions for use in a per node ECMP path determination algorithm are provided which increase traffic spreading between network resources in an equal cost multi path packet switch network. In one embodiment packets are mapped to output ports by causing each ECMP node on the network to implement an entropy preserving mapping function keyed with unique key material. The unique key material enables each node to instantiate a respective mapping function from a common function prototype such that a given input will map to a different output on different nodes. Where an output set of the mapping function is larger than the number of candidate output ports a compression function is used to convert the keyed output of the mapping function to the candidate set of ECMP ports

No. of Pages : 34 No. of Claims : 48

(19) INDIA

(22) Date of filing of Application :06/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : INDOLE DERIVATIVES AS MODULATORS OF S1P RECEPTORS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D209/42,C07D403/12,C07D413/04 :61/416958 :24/11/2010 :U.S.A. :PCT/US2011/060183 :10/11/2011 :WO 2012/071184 to :NA :NA :NA | (71)Name of Applicant : 1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California 92886 U.S.A. (72)Name of Inventor : 1)SINHA Santosh C. 2)BHAT Smita S. 3)CHOW Ken 4)GARST Michael E. 5)IM Wha Bin |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention relates to novel indole derivatives processes for preparing them pharmaceutical compositions containing them and their use as pharmaceuticals as modulators of sphingosine-1 phosphate receptors.

No. of Pages : 61 No. of Claims : 15

(22) Date of filing of Application :06/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : QTLS ASSOCIATED WITH AND METHODS FOR IDENTIFYING WHOLE PLANT FIELD RESISTANCE TO SCLEROTINIA

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C12Q1/68,A01H5/10 :61/426170 :22/12/2010 :U.S.A. :PCT/US2011/066526 :21/12/2011 :WO 2012/088289 :NA :NA | (71)Name of Applicant : 1)E. I. du Pont de Nemours and Company Address of Applicant :1007 Market Street Wilmington Delaware 19898 U.S.A. 2)PIONEER HI BRED INTERNATIONAL INC. (72)Name of Inventor : 1)FALAK Igor 2)PRIMOMO Valerio 3)TULSIERAM Lomas |
|---|--|---|
| Filing Date | :NA | 3)TULSIERAM Lomas |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Markers associated with Sclerotinia whole plant field resistance are provided. Methods of identifying Sclerotinia resistant and susceptible plants, using the markers are provided. Methods for identifying and isolating QTLs are a feature of the invention, as are QTLs associated with Sclerotinia whole plant field resistance.

No. of Pages : 270 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :13/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE PREPARATION OF STATINS IN THE PRESENCE OF BASE

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number : | EPO PCT/EP2012/050470 13/01/2012 WO 2012/098049 NA NA | (71)Name of Applicant : 1)DSM SINOCHEM PHARMACEUTICALS NETHERLANDS B.V. Address of Applicant :P.O. Box 245 Alexander Fleminglaan 1 NL 2613 AX Delft Netherlands (72)Name of Inventor : 1)BESSEMBINDER Karin Henderika Maria 2)HEEMSKERK Dennis 3)LANGE DE Ben |
|---|--|--|
| Filing Date : | :NA | |

(57) Abstract :

The present invention relates to a process for the preparation of statins by means of a Julia Kocienski reaction between an aldehyde and a sulfone derivative in the presence of an alkaline metal alkoxy base. The resulting derivatives are suitable as building blocks for statin type compounds such as cerivastatin fluvastatin pitavastatin and rosuvastatin.

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

(21) Application No.5605/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR POWERING A COMPRESSION IGNITION ENGINE AND FUEL THEREFOR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C10L1/08,F02B3/08,F02B51/00 :2010905225 :25/11/2010 :Australia :PCT/AU2011/001531 :25/11/2011 o :WO 2012/068634 :NA :NA :NA | (71)Name of Applicant : 1)GANE ENERGY & RESOURCES PTY LTD Address of Applicant :Riverwalk Level 2 649 Bridge Road Richmond Victoria 3121 Australia (72)Name of Inventor : 1)MORRIS Greg 2)BREAR Michael John 3)SLOCOMBE Ronald Andrew |
|--|---|--|
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(57) Abstract :

A diesel engine fuel composition comprising methanol at a level of at least 20% by weight of the fuel; water at a level at least 20% by weight of the fuel; a ratio of water to methanol of between 20:80 to 80:20; a total amount of water and methanol of at least 60% by weight of the fuel composition and one or more additives in a total amount of at least 0.1% by weight of the fuel wherein the level of sodium chloride if present as an additive is between 0 to 0.5% by weight of the fuel and the level of flavourant if present as an additive is between 0 to 0.5% by weight of the fuel and the level of flavourant if present as an additive is between 0 to 1.5% of the composition is provided. Also provided is a process for powering a compression ignition engine using a fuel comprising methanol and water including inlet air pre heating and associated systems and uses of the fuel composition.

No. of Pages : 107 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :21/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYMER COMPRISING A HYDROLYSABLE FUNCTION THAT CAN BE USED AS A THINNER

| (51) Internationalclassification(31) Priority Document No(32) Priority Date | :C08F220/06,C08F220/28,C08F220/58):1060920 :21/12/2010 | (71)Name of Applicant : 1)CHRYSO Address of Applicant :19 place de la Résistance F 92440 ISSY LES MOULINEAUX France |
|--|---|--|
| (33) Name of priority country | :France | (72)Name of Inventor :1)AGNELY Mathias |
| (86) International Application No Filing Date | :PCT/EP2011/073446 :20/12/2011 | 2)BOUSTINGORRY Pascal 3)CHOUGRANI Kamel |
| (87) International Publication No | :WO 2012/084979 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a polymer comprising the following units and side chains comprising R2 groups to the process for preparing same and to the uses thereof as a thinner in hydraulic compositions.

No. of Pages : 39 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :26/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FORMULATIONS COMPRISING METHYLTHIONINIUM CHLORIDE

| classification (31) Priority Document No :61/418164 | (71)Name of Applicant : 1)WISTA LABORATORIES LTD. Address of Applicant :51 Ayer Rajah Crescent #07 01 Singapore 139948 Singapore (72)Name of Inventor : 1)KHAN Karrar Ahmad |
|--|--|
|--|--|

(57) Abstract :

Solid dosage forms of methylthioninium chloride (MTC) further comprise at least one diluent suitable for direct compression. The MTC exists in a substantially pure and stable polymorphic form. The solid dosage forms may preferably be prepared by direct compression methods.

No. of Pages : 44 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :19/07/2013

(54) Title of the invention : METHOD FOR DETERMINING A PROPERTY OF A FUEL

(43) Publication Date : 13/05/2016

(51) International classification :F02D41/40,F02M65/00 (71)Name of Applicant : (31) Priority Document No **1)ROBERT BOSCH GMBH** :10 2011 005 141.4 (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :04/03/2011 (33) Name of priority country :Germany Germany (86) International Application No (72)Name of Inventor : :PCT/EP2012/051749 Filing Date :02/02/2012 **1)SIEDENTOPF** Matthias (87) International Publication No :WO 2012/119819 2)SPINDLER Susanne (61) Patent of Addition to Application **3)HORN Matthias** :NA Number 4)RETTICH Andreas :NA Filing Date **5)HOFFMANN Florian** (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention relates to a method for determining at least one property of a fuel, in which method a closed period of an armature of a solenoid valve, which moves through the fuel, is measured in at least one triggering period, and a factor is determined on the basis of the measured closed period, which factor represents the at least one property of the fuel.

No. of Pages : 15 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :01/07/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : NON HALOGEN FLAME RETARDANT THERMOPLASTIC POLYURETHANE | | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :C08K 5/00 :60/671,009 :13/04/2005 :U.S.A. :PCT/US2006/013115 :10/04/2006 :WO/2006/121549 | (71)Name of Applicant : 1)LUBRIZOL ADVANCED MATERIALS, INC Address of Applicant :9911 Brecksville Road, Cleveland, Ohio 44141-3247, United States of America U.S.A. (72)Name of Inventor : 1)SRIDHAR KRISHNAMURTHI SIDDHAMALLI 2)CARL ALLEN BROWN |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on | :NA :NA :7683/DELNP/2007 :08/10/2007 | |

(57) Abstract :

Flame retardant thermoplastic polyurethane (TPU) compositions are disclosed having a flame retardant package comprising an organo-phosphinate component, an organo-phosphate component, and a polyhydric alcohol. The flame retardant components may be present in an amount from about 5 to about 40 weight percent of the phosphinate compound; from about 5 to about 20 weight percent of the phosphate compound, and from about 0.1 to about 15 weight percent of the polyhydric alcohol, based on the total weight of the TPU composition. Processes are disclosed to make the TPU compositions and to make wire and cable constructions employing the TPU compositions as the jacket of the wire and cable constructions. The TPU compositions exhibit excellent flame retardant capabilities as measured by Limited Oxygen Index testing and/or UL 94 Vertical Burn tests.

No. of Pages : 22 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :04/07/2014

(43) Publication Date : 13/05/2016

| | CO (F21/20 | |
|--|--------------------|---|
| (51) International classification | :G06F21/20 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)Capy Inc. |
| (32) Priority Date | :NA | Address of Applicant :113 Barksdale Professional Center |
| (33) Name of priority country | :NA | Newark Delaware U.S.A. |
| (86) International Application No | :PCT/JP2012/050202 | (72)Name of Inventor : |
| Filing Date | :06/01/2012 | 1)OKADA Mitsuo |
| (87) International Publication No | :WO 2013/103019 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : CAPTCHA PROVISION METHOD AND PROGRAM

(57) Abstract :

To selectively provide in accordance with a user terminal a CAPTCHA that can be easily executed by the user terminal operator. [Solution] A web server (11) determines the type of web browser running on a user terminal (13). An authentication server (12) decides a CAPTCHA execution program on the basis of the type of web browser that has been determined. The authentication server (12) executes the decided CAPTCHA execution program to generate problem data and correct answer data. The web server (11) provides the CAPTCHA to the user terminal (13) on the basis of the problem data. The authentication server (12) compares answer data generated by the user terminal (13) to the correct answer data and determines whether authentication has succeeded or failed.

No. of Pages : 69 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :04/07/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DISTRIBUTED SYSTEM PROVIDING DYNAMIC INDEXING AND VISUALIZATION OF GENOMIC DATA

| Filing Date :07/12/2 | 684781)FIVE3 GENOMICS LLC2/2011Address of Applicant :101 Cooper Street Santa CruzA.California 95060 U.S.A./US2012/068493(72)Name of Inventor : |
|----------------------|--|
|----------------------|--|

(57) Abstract :

Systems and methods for dynamic visualization of genomic data are provided in which a genomic visualization system adapts presentation of information content according to scale-relevant annotations within a sequence object.

No. of Pages : 45 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :29/01/2014

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K47/48 :11174423.1 :18/07/2011 :EPO :PCT/EP2012/063373 :09/07/2012 :WO 2013/010840 :NA :NA :NA :NA | (71)Name of Applicant : 1)ARTS BIOLOGICS A/S Address of Applicant :Ole MaalÃ,es Vej 3 Cobis DK 2200 Copenhagen N Denmark (72)Name of Inventor : 1)NORDKILD Peter 2)LINDENBERG Svend 3)ANDERSEN Claus Yding 4)ANDERSEN Kim Vilbour |
|---|--|--|
| Filing Date | :NA | |

(54) Title of the invention : LONG ACTING LUTEINIZING HORMONE (LH) COMPOUND

(57) Abstract :

The present invention relates to a long acting biologically active luteinizing hormone (LH) compound comprising an LH agonist linked to a pharmaceutically acceptable molecule providing an in vivo plasma half life of the LH agonist or LH compound which is increased substantially compared to the in vivo plasma half life of an LH agonist administered in the same manner as the LH compound. The present invention relates to methods for controlled ovarian stimulation which can be used in conjunction with assisted reproduction technologies such as in vitro fertilisation intra cytoplasmatic sperm injection intra uterine insemination and in vitro maturation. In other aspects the invention relates to methods for inducing folliculogenesis and methods for providing luteal support for the corpora lutea.

No. of Pages : 264 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :18/08/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : BENZODIOXANES IN COMBINATION WITH OTHER ACTIVES FOR INHIBITING LEUKOTRIENE PRODUCTION

| classification | :C07D405/14,A61K31/357,C07D319/20 | (71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL |
|--|-----------------------------------|---|
| (31) Priority Document No | :61/607149 | GMBH Address of Applicant :Binger Strasse 173 55216 Ingelheim am |
| (32) Priority Date | :06/03/2012 | Rhein Germany |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : 1)BYLOCK Lars Anders |
| Application No | :PCT/EP2013/054381 :05/03/2013 | |
| Publication No | :WO 2013/131901 | |
| (62) Divisional to Application Number | :NA :NA :NA :NA | |

(57) Abstract :

The present invention relates to a combination comprising compounds of formula (I): wherein Rto R A X and n are as defined herein and an additional active agent. The present invention also relates pharmaceutical compositions comprising these combinations and methods of using these combinations to treat various diseases and disorders.

No. of Pages : 208 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :06/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PLATFORM DEVICE AND METHOD FOR DETECTION OF BACTERIAL LIPOPOLYSACCHARIDES IN WATER AND SERUM

| (51) International classification:A61H 38/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAState:NA <t< th=""><th> (71)Name of Applicant : 1)Shalini Gupta, Prasanta Kalita, Anshuman Dasgupta and Venkataraman Sritharan Address of Applicant :Shalini Gupta, of Dept. of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi, India 110016, Prasanta Kalita of Dept. of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi, India 110016, Anshuman Dasgupta, of Dept. of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi, India 110016, Venkataraman Sritharan, of Dept. of Molecular Diagnostics and Biomarkers, Global Medical Education and Research Foundation, 6-1-82/83, Lakdi-ka-pool, Hyderabad, India 500004 Delhi India (72)Name of Inventor : 1)Shalini Gupta, Prasanta Kalita, Anshuman Dasgupta and </th></t<> | (71)Name of Applicant : 1)Shalini Gupta, Prasanta Kalita, Anshuman Dasgupta and Venkataraman Sritharan Address of Applicant :Shalini Gupta, of Dept. of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi, India 110016, Prasanta Kalita of Dept. of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi, India 110016, Anshuman Dasgupta, of Dept. of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi, India 110016, Venkataraman Sritharan, of Dept. of Molecular Diagnostics and Biomarkers, Global Medical Education and Research Foundation, 6-1-82/83, Lakdi-ka-pool, Hyderabad, India 500004 Delhi India (72)Name of Inventor : 1)Shalini Gupta, Prasanta Kalita, Anshuman Dasgupta and |
|---|---|
|---|---|

(57) Abstract :

This invention relates to a device and method for detection of bacterial lipopolysaccharides (LPS) in water or serum. The device comprises of a chemically-functionalized solid support for LPS capture from a target sample, antibiotic drugloaded gold nanoparticles (NPs) as detection probes and a signal-amplification silver reduction step to allow for visual detection of LPS by bare eve. This invention also relates to the use of such a device as a diagnostic kit for sepsis detection in critically ill/septicemia patients. This invention also relates to the use of such a device for LPS detection during pharmaceutical product testing, coliform bacterial contamination in potable water and drinks, sterility testing of reverse osmosis water used in dialysis and environmental water sample testing.

No. of Pages : 23 No. of Claims : 8

(21) Application No.34/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 13/05/2016

| | | - |
|--|--------------------|--|
| | | |
| (51) International classification | :A61K38/57 | (71)Name of Applicant : |
| (31) Priority Document No | :61/505354 | 1)REVO BIOLOGICS INC. |
| (32) Priority Date | :07/07/2011 | Address of Applicant :175 Crossing Boulevard Suite 410 |
| (33) Name of priority country | :U.S.A. | Framingham MA 01702 9322 U.S.A. |
| (86) International Application No | :PCT/US2012/045699 | (72)Name of Inventor : |
| Filing Date | :06/07/2012 | 1)EVANS Sean A. |
| (87) International Publication No | :WO 2013/006766 | 2)ALLARD Greg J. |
| (61) Patent of Addition to Application | :NA | 3)MASIELLO Nicholas C. |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : FORMULATIONS THAT STABILIZE PROTEINS

(57) Abstract :

In one aspect the disclosure provides formulations that stabilize proteins wherein the formulations comprise a buffer. In some embodiments the buffer comprises potassium mono hydrogen phosphate and potassium di hydrogen phosphate or the buffer comprises sodium mono hydrogen phosphate and sodium di hydrogen phosphate. In some embodiments the protein is a therapeutic protein. In some embodiments the therapeutic protein is antithrombin.

No. of Pages : 68 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :01/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CARBON LEAD BLENDS FOR USE IN HYBRID ENERGY STORAGE DEVICES

| (51) International algoritization | :H01M4/14 | (71) Nome of Applicant . |
|--|--------------------|--|
| (51) International classification | | (71)Name of Applicant : |
| (31) Priority Document No | :61/493350 | 1)ENERG2 TECHNOLOGIES INC. |
| (32) Priority Date | :03/06/2011 | Address of Applicant :100 NE Northlake Way Suite 300 |
| (33) Name of priority country | :U.S.A. | Seattle Washington 98105 U.S.A. |
| (86) International Application No | :PCT/US2012/040508 | (72)Name of Inventor : |
| Filing Date | :01/06/2012 | 1)THOMPKINS Leah A. |
| (87) International Publication No | :WO 2012/167117 | 2)FEAVER Aaron M. |
| (61) Patent of Addition to Application | :NA | 3)COSTANTINO Henry R. |
| Number | | 4)CHANG Alan Tzu Yang |
| Filing Date | :NA | 5)GERAMITA Katharine |
| (62) Divisional to Application Number | :NA | 6)SAKSHAUG Avery |
| Filing Date | :NA | 7)MAROON Matthew J. |

(57) Abstract :

The present application is directed to blends comprising a plurality of carbon particles and a plurality of lead particles. The blends find utility in any number of electrical devices for example in lead acid batteries. Methods for making and using the blends are also disclosed.

No. of Pages : 135 No. of Claims : 93

(19) INDIA

(22) Date of filing of Application :22/08/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :G06K9/62 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/589750 | 1)PERCEPTIMED INC. |
| (32) Priority Date | :23/01/2012 | Address of Applicant :365 San Antonio Road Mountain View |
| (33) Name of priority country | :U.S.A. | CA 94040 U.S.A. |
| (86) International Application No | :PCT/US2013/022754 | (72)Name of Inventor : |
| Filing Date | :23/01/2013 | 1)GERSHTEIN Eugene |
| (87) International Publication No | :WO 2013/112591 | 2)JACOBS Alan |
| (61) Patent of Addition to Application | :NA | 3)GEBALA Alexander |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : AUTOMATED PHARMACEUTICAL PILL IDENTIFICATION

(57) Abstract :

A pill identification system identifies a pill type for a pharmaceutical composition from images of the pharmaceutical composition. The system extracts features from images taken of the pill. The features extracted from the pill image include color size shape and surface features of the pill. In particular the features include rotation independent surface features of the pill that enable the pill to be identified from a variety of orientations when the images are taken. The feature vectors are applied to a classifier that determines a pill identification for each image. The pill identification for each image is scored to determine identification for the pharmaceutical composition.

No. of Pages : 44 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :22/08/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROPYLENE ETHYLENE COPOLYMER RESIN COMPOSITION AND MOLDED PRODUCT FILM AND SHEET THEREOF

| (51) International classification | :C08L23/10,B32B27/32,C08F10/06 | (71)Name of Applicant : 1)JAPAN POLYPROPYLENE CORPORATION |
|-----------------------------------|--------------------------------|--|
| (31) Priority Document No | :2012038099 | Address of Applicant :1 1 Marunouchi 1 chome Chiyoda ku |
| (32) Priority Date | :24/02/2012 | Tokyo 1008251 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application | :PCT/JP2013/054469 | 1)KATSUNO Satoshi |
| No | :22/02/2013 | 2)TAKAHASHI Kuninori |
| Filing Date | .22/02/2013 | 3)KOUZAI Iku |
| (87) International Publication | :WO 2013/125670 | 4)TERADA Motokazu |
| No | .w0 2013/123070 | 5)TAKAYAMA Masato |
| (61) Patent of Addition to | :NA | 6)YAJIMA Shinichirou |
| Application Number | :NA :NA | |
| Filing Date | INA | |
| (62) Divisional to Application | .NT A | |
| Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This propylene ethylene copolymer resin composition is produced by a metallocene based catalyst and comprises: 97 65 parts by weight of a propylene based polymer (A) wherein (A i) the ethylene content in the polymer (A) is 0 6.0 wt% (A ii) the MFR of the polymer (A) is 0.1 100 g/10 minutes and (A iii) Mw/Mn is 2 4; and 3 35 parts by weight of a propylene ethylene copolymer (B) wherein (B i) the ethylene content in the copolymer (B) is 0.4 13 wt% and (B ii) the MFR of the copolymer (B) is 0.5 20 g/10 minutes. The copolymer (B) comprises: 65 95 wt% of a propylene based polymer component (B1) wherein (B1 i) the ethylene content in the polymer component (B1) is 0 6.0 wt%; and 5 35 wt% of a propylene ethylene copolymer component (B2) wherein (B2 i) the ethylene content in the copolymer component (B2) is 8 25 wt% and (B2 ii) the MFR of the copolymer component (B2) is 0.0001 0.5 g/10 minutes.

No. of Pages : 220 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CALIBRATION REAGENT AND METHOD

| classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :G01N33/68,G01N33/96,C07K16/00 :11508348 :14/09/2011 :Sweden :PCT/SE2012/050977 :14/09/2012 :WO 2013/039450 :NA :NA :NA | (71)Name of Applicant : PHADIA AB Address of Applicant :Box 6460 S 751 37 Uppsala Sweden (72)Name of Inventor : EFVERSON Göran MATSSON Per NYSTRAND Mats |
|---|--|--|
|---|--|--|

(57) Abstract :

The present invention relates to a method for calibrating a multiplex assay comprising: adding a calibration reagent to a solid phase on which a plurality of capturing agents are immobilised adding a detection molecule which has a capacity to bind to the calibration reagent detecting bound detection molecule thereby creating a calibration curve wherein the calibration reagent comprises at least two different binding molecules wherein each binding molecule has a capacity to bind specifically to a capturing agent immobilised on the solid phase and a capacity to bind to a detection molecule. Further provided is a multiplex assay system comprising such a calibration reagent.

No. of Pages : 40 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :09/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SIZING COMPOSITION FOR CHARGES USED IN THERMOPLASTIC POLYMERIC MATERIAL REINFORCEMENT REINFORCED POLYMERIC MATERIALS AND METHOD OF MANUFACTURE

| (51) International classification | :C08L63/00,B29B15/12,C03C17/00 | (71)Name of Applicant : 1)3B FIBREGLASS SPRL |
|---|-----------------------------------|--|
| (31) Priority Document No | :11176308.2 | Address of Applicant :Route de Maestricht 67 69 B 4651 |
| (32) Priority Date | :02/08/2011 | Battice Belgium |
| (33) Name of priority country | :EPO | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/EP2012/064468 :24/07/2012 | 1)MASSON Nadia 2)PIRET Willy |
| (87) International Publication No | :WO 2013/017471 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to an aqueous sizing composition for reinforcing charges preferably glass fibers comprising a silane coupling agent an epoxy film forming polymer comprising 2 8 reactive epoxy groups per chain and compatible with thermoplastic polyester matrix resin selected from PET and PBT and a hypophosphite in an amount of 5 to 30 w% of the composition preferably 7 to 25 w% more preferably 10 to 20 w% and most preferably 12 to 18 w% of the composition. A thermoplastic polyester resin reinforced with glass fibers coated with a sizing composition of the invention shows improved resistance to staining and improved tensile elongation at break. The sizing composition further improves processability of the sized fibres.

No. of Pages : 57 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :25/07/2005

(43) Publication Date : 13/05/2016

(54) Title of the invention : CHUTES FOR SORTING AND INSPECTION APPARATUS

(57) Abstract :

A chute for inspection and sorting apparatus is disclosed. It comprises two sections; a first, upper section (6) and a lower, grooved section (2). The first section has a smooth, normally polished surface which allows product pieces thereon to move laterally as well as downwards. In the lower section (2) product pieces are restricted in their lateral movement by the grooves (12) and move into alignment with the grooves before being discharged into the inspection zone (22) of the apparatus. If the apparatus is for inspection only, then the product pieces continue to a collection receptacle. If the apparatus is for sorting, then an ejector (26) is included which acts in response to signals from the inspection station to eject selected pieces from the product stream. Those are deflected into a reject receptacle (28) while the remainder proceed into the collection receptacle (24).

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :27/08/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : NEW INDANYLOXYDIHYDROBENZOFURANYLACETIC ACID DERIVATIVES AND THEIR USE AS GPR40 RECEPTOR AGONISTS

| (51) International classification:C07D405/14,C07D413/14,C07D405/14(31) Priority Document No:12161240.2(32) Priority Date (33) Name of priority country:26/03/2012(33) Name of priority country:EPO(86) International Filing Date:PCT/EP2013/056312(87) International Filing Date:WO 2013/144097(61) Patent of Addition to Filing Date:NA(62) Divisional to Filing Date:NA(52) Divisional to Filing Date:NA(55) Aluce:NA | (71)Name of Applicant : (71)Name of Applicant : Binger Strasse 173 55216 Ingelheim Address of Applicant : Binger Strasse 173 55216 Ingelheim Am Rhein Germany (72)Name of Inventor : 1)ECKHARDT Matthias 2)FRATTINI Sara 3)HAMPRECHT Dieter 4)HIMMELSBACH Frank 5)LANGKOPF Elke 6)LINGARD Iain 7)PETERS Stefan 8)WAGNER Holger |
|---|--|
|---|--|

(57) Abstract :

12The present invention relates to compounds of general formula I (I) wherein the groups R R and m are defined as in claim 1 which have valuable pharmacological properties in particular bind to the GPR40 receptor and modulate its activity. The compounds are suitable for treatment and prevention of diseases which can be influenced by this receptor such as metabolic diseases in particular diabetes type 2.

No. of Pages : 280 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :13/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FLUID RESERVOIR ASSEMBLY INCLUDING ANTECHAMBER AND ADJUSTABLE WIPING FEATURE

| (86) International Application No Filing Date (87) International Publication (87) | (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :A45D34/00,A45D34/04,B65D33/00 :61/445087 :22/02/2011 :U.S.A. :PCT/US2011/063442 :10/01/2012 ⁿ :WO 2012/134554 :NA :NA | (71)Name of Applicant : 1)GROUP ONE LIMITED Address of Applicant :First Floor Viking House St. Pauls Square Ramsey Isle of Man IM8 1GB U.K. (72)Name of Inventor : 1)GOLDSTEIN Fredric 2)BARTO JR. Robert Murray |
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(57) Abstract :

A bottle assembly has a bottle for storing a fluid such as a cosmetic fluid. An applicator for applying the fluid is configured to be insertable and removable from the bottle along a path. A sealing body or assembly which may include one or more seals is configured to continue to seal the bottle when the cap is removed.

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

(19) INDIA

(22) Date of filing of Application :21/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : RELAY COMMUNICATION SYSTEM AND RELAY SERVERS

| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Number Number NA | No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/JP2011/073874 :17/10/2011 :WO 2012/081304 :NA :NA | (71)Name of Applicant : 1)Murata Machinery Ltd. Address of Applicant :3 Minami Ochiai cho Kisshoin Minami ku Kyoto shi Kyoto 6018326 Japan (72)Name of Inventor : 1)TANIMOTO Yoshifumi |
|--|---|--|---|
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(57) Abstract :

To build a relay communication system having a plurality of relay servers capable of communicating with another, a virtual network is dynamically created. VLAN group information is shared between VLAN client terminals that configure a VLAN group in the relay communication system. On the basis of the VLAN group information, a VLAN session is established between the VLAN devices from among the VLAN client terminals that are bootable as VLAN client terminals, and processing is performed for the sharing between VLAN devices of virtual address information created when the VLAN group is booted up. If the VLAN group has already been booted up when instructed to be booted up, then a VLAN group midway participation signal is transmitted to a midway participant VLAN client terminal, which is the transmission origin of the boot-up instruction, and an unestablished VLAN session pertaining to the midway participant VLAN client terminal is established.

No. of Pages : 120 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :10/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS FOR REMOVING UNSATURATED ALIPHATIC HYDROCARBONS FROM A HYDROCARBON STREAM USING CLAY

| (51) International classification (31) Priority Document No | :C07C7/12,C07C7/13,C07C5/10 :61/424813 | 1)UOP LLC |
|--|---|---|
| (32) Priority Date | :20/12/2010 | Address of Applicant :25 East Algonquin Road P. O. Box |
| (33) Name of priority country | | 5017 Des Plaines Illinois 60017 5017 U.S.A. (72) Name of Inventor : |
| (86) International Application No Filing Date | :14/12/2011 | |
| (87) International Publication No | | 1)JAN Deng Yang 2)SCHULTZ Michael A. |
| (61) Patent of Addition to Application Number | :NA | 3)JOHNSON James A. |
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed is a method for removing unsaturated aliphatic compounds from a hydrocarbon feed stream by contacting the hydrocarbon feed stream with one of an adsorbent comprising clay an acidic molecular sieve and activated carbon to produce a hydrocarbon effluent stream having a lower unsaturated aliphatic content relative to the hydrocarbon feed stream. The hydrocarbon feed stream comprises an aromatic compound a nitrogen compound and an unsaturated aliphatic compound.

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

(19) INDIA

(22) Date of filing of Application :10/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS AND APPARATUS FOR REMOVING HEAVY POLYNUCLEAR AROMATIC COMPOUNDS FROM A HYDROPROCESSED STREAM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/US2011/062995 :02/12/2011 :WO 2012/082394 :NA :NA | (71)Name of Applicant : 1)UOP LLC Address of Applicant :25 East Algonquin Road P. O. Box 5017 Des Plaines IL 60017 5017 U.S.A. (72)Name of Inventor : 1)HOEHN Richard K. 2)BREITENFELDT Daniel J. |
|---|--|---|
| Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention is an improved process and apparatus for stripping HPNA s from hydroprocessed streams in a fractionation column having a split shell configuration. Only one vapor stripping feed is required to the split shell of the fractionation column. The resulting reduction in steam requirement provides a superior fractionation in the column.

No. of Pages : 29 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :08/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SEPARATING FLUID METHOD AND INSTALLATION FOR SEPARATING MULTILAYER SYSTEMS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :C08J11/08,G03F7/42,H01L21/02 :10 2011 000 322.3 :25/01/2011 :Germany | (71)Name of Applicant : 1)SAPERATEC GMBH Address of Applicant :Ernst Graebe Str. 10 33611 Bielefeld Germany |
|--|--|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/051172 :25/01/2012 :WO 2012/101189 | (72)Name of Inventor :1)KERNBAUM Sebastian2)SEIBT Horst |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

The aim of the invention is to devise a separating fluid method and use for separating multilayer systems (1, 5) especially photovoltaic modules for the purpose of recycling which allow the separation of multilayer systems especially photovoltaic modules in a comparatively simple manner in terms of the processes used in as environmentally friendly a manner as possible and at high recycling rates. For this purpose the separating fluid is a nanoscale dispersion or a precursor thereof.

No. of Pages : 39 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :22/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR IMPROVING BLOCKING RATE OF REVERSE OSMOSIS MEMBRANE TREATMENT AGENT FOR IMPROVING BLOCKING RATE AND REVERSE OSMOSIS MEMBRANE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :B01D65/10,B01D61/02,B01D67/00 :2011-051530 :09/03/2011 y:Japan :PCT/JP2012/055549 :05/03/2012 | 1)KURITA WATER INDUSTRIES LTD. Address of Applicant :10 1 Nakano 4 chome Nakano ku Tokyo 1640001 Japan (72)Name of Inventor : 1)KAWAKATSU Takahiro 2)AOKI Tetsuya |
|--|---|--|
| Filing Date (87) International Publicatior No | | 3)HAYAKAWA Kunihiro |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

To provide a method for improving the blocking rate of a reverse osmosis membrane which effectively improves the blocking rate without significantly reducing permeation flux even if the membrane is markedly degraded. [Solution] This method for improving the blocking rate of a reverse osmosis membrane involves passing a first organic compound having a molecular weight of less than 200 a second organic compound having a molecular weight of 200 to less than 500 and a third organic compound having a molecular weight of at least 500 through the reverse osmosis membrane. Amino acid or an amino acid derivative is suitable as the first organic compound. The total concentration of the first organic compound and the second organic compound and the concentration of the third organic compound are suitably 1 to 500 mg/L.

No. of Pages : 48 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS AND COMPOSITIONS FOR TREATMENT OF CANCER AND AUTOIMMUNE DISEASE

| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :27/06/2011 :U.S.A. :PCT/US2012/043074 :19/06/2012 :WO 2013/003112 :NA :NA :NA | (71)Name of Applicant : 1)THE JACKSON LABORATORY Address of Applicant :600 Main Street Bar Harbor Maine 04609 U.S.A. (72)Name of Inventor : 1)MILLS Kevin David 2)HASHAM Muneer Gulamhusien 3)MCPHEE Caroline Gardner |
|---|---|---|
| Filing Date | :NA | |

(57) Abstract :

The technology described herein relates to methods of inducing cell death. The technology described herein further relates to treating conditions including cancers and autoimmune diseases comprising administering inhibitors of double strand break repair. Also described herein are inhibitors of double strand break repair and methods of screening for such inhibitors.

No. of Pages : 466 No. of Claims : 115

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CARRIER AGGREGATION IN A COMMUNICATION SYSTEM COMPRISING CELLS WITH DIFFERENT ACCESS MODE

| (51) International classification | :H04W48/08 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :1113943.3 | 1)NEC Corporation |
| (32) Priority Date | :12/08/2011 | Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo |
| (33) Name of priority country | :U.K. | 1088001 Japan |
| (86) International Application No | :PCT/JP2012/068040 | (72)Name of Inventor : |
| Filing Date | :10/07/2012 | 1)JHA Vivek |
| (87) International Publication No | :WO 2013/024654 | 2)SHARMA Vivek |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

A communication system is presented in which a base station operates a each of a plurality of cells using a respective component carrier. When the base station decides to configure a mobile telephone to use additional cells of the plurality of cells a access control procedure is initiated to determine for each cell whether the configuration should be allowed.

No. of Pages : 45 No. of Claims : 41

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :2011179206 :18/08/2011 :Japan :PCT/JP2012/070556 | (71)Name of Applicant : 1)HITACHI CONSTRUCTION MACHINERY CO. LTD. Address of Applicant :5 1 Koraku 2 chome Bunkyo ku Tokyo 1128563 Japan (72)Name of Inventor : |
|--|--|---|
| (86) International Application No | :PCT/JP2012/070556 | (72)Name of Inventor : |
| Filing Date (87) International Publication No | :10/08/2012 :WO 2013/024828 | 1)TOBARI Kazuaki 2)SEKINE Kazuya |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : MOTOR CONTROL DEVICE AND WORK MACHINE USING SAME

(57) Abstract :

The purpose of the present invention is to provide a motor control device that can compensate even for errors in motor constant settings and that is capable of high precision torque control. A motor control device (100) comprises a control unit that controls the current supplied to a motor so that a current command value determined on the basis of a torque command value for a motor (MOT) matches a detected current value for current supplied to the motor (MOT) by way of a power converter (INV). The control unit estimates the torque output by the motor and controls the current supplied to the motor so that the estimated value for the torque of the motor matches the torque command value. A torque estimation computation unit (120) estimates the torque output by the motor. A phase error command computation unit (125) calculates a command value for phase error on the basis of the deviation between the estimated torque value and the torque command value. A speed estimation computation unit (130) outputs an estimated speed value so that an estimated phase error value matches the command value for phase error.

No. of Pages : 109 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :05/09/2013

(43) Publication Date : 13/05/2016

SAMPLES USE OF FLUIDICS APPARATUS AND PROCESS FOR THE MANUFACTURE OF FLUIDICS APPARATUS (51) International classification :B01L3/00 (71)Name of Applicant : (31) Priority Document No 1)THE UNIVERSITY COURT OF THE UNIVERSITY OF :1103211.7 (32) Priority Date :24/02/2011 GLASGOW (33) Name of priority country Address of Applicant :Gilbert Scott Building University :U.K. :PCT/GB2012/000192 Avenue Glasgow G12 8QQ U.K. (86) International Application No (72)Name of Inventor : Filing Date :24/02/2012 (87) International Publication No :WO 2012/114076 1)WILSON Rab (61) Patent of Addition to Application 2)COOPER Johnathan M. :NA Number **3)REBOUD Julien** :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : FLUIDICS APPARATUS FOR SURFACE ACOUSTIC WAVE MANIPULATION OF FLUID

(57) Abstract :

A fluidics apparatus for manipulation of at least one fluid sample is disclosed. A manipulation surface locates the fluid sample. A surface acoustic wave (SAW) generation material layer is provided. This is a polycrystalline material textured polycrystalline material biaxially textured polycrystalline material microcrystalline material nanocrystalline material amorphous material or composite material. A transducer electrode structure arranged at the SAW generation material layer provides SAWs at the manipulation surface for interaction with the fluid sample. The manipulation surface has a phononic structure for affecting the transmission distribution and/or behaviour of SAWs at the manipulation surface. The apparatus is typically manufactured by reel to reel processes to reduce the unit cost to a level at which the apparatus can be considered to be disposable after a single use.

No. of Pages : 110 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :05/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FIBROUS SUBSTRATE BASED HYDROPROCESSING CATALYSTS AND ASSOCIATED METHODS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Date (35) International Application No (35) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | (71)Name of Applicant : 1)UOP LLC Address of Applicant :25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A. (72)Name of Inventor : 1)NEGIZ Antoine 2)WANG Hui |
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(57) Abstract :

Catalysts are disclosed comprising fibrous substrates having silica-containing fibers with diameters generally from 1 to 50 microns, which act effectively as "micro cylinders." Such catalysts can dramatically improve physical surface area, for example per unit length of a re actor or reaction zone. At least a portion of the silica, originally present in the silica- containing fibers of a fibrous material used to form the fibrous substrate, is converted to a zeolite (e.g., having a S102/AI2O3 ratio of at least 150) that re mains deposited on these fibers. The fibrous substrates possess important properties, for example in terms of acidity, which are useful in hydroprocessing (e.g., hydrotreating or hydrocracking) applications.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :21/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHARMACEUTICAL CREAM COMPOSITIONS OF OXYMETAZOLINE FOR TREATING SYMPTOMS OF ROSACEA

| (51) International classification:A61K31/4174,A61K9/00,A61P17/00(31) Priority Document No (32) Priority Date:61/443210(32) Priority Date:15/02/2011(33) Name of priority country:U.S.A.(86) International Application No Filing Date:PCT/US2012/025068 :14/02/2012(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2012/112566(82) Divisional to Application Number Filing Date:NA :NA :NA(82) Divisional to Filing Date:NA :NA | (71)Name of Applicant : 1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California 92886 U.S.A. (72)Name of Inventor : 1)SHANLER Stuart D. 2)POWALA Christopher |
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(57) Abstract :

The present invention is directed to: a) a method of treating telangiectasia; b) a method of treating inflammatory lesions; and c) a method of treating two or more symptoms of rosacea selected from erythema telangiectasia or inflammatory lesions comprising topical administration of a pharmaceutical composition comprising oxymetazoline and a pharmaceutically acceptable excipient.

No. of Pages : 95 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :30/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SURGICAL STAPLE CARTRIDGES WITH TISSUE TETHERS FOR MANIPULATING DIVIDED TISSUE AND METHODS OF USING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :13/03/2012 :WO 2012/125628 | (71)Name of Applicant : 1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor : 1)SWAYZE Jeffrey S. |
|---|--------------------------------|---|
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| 6 | | I)SWAYZE Jeffrey S. |
| (87) International Publication No | :WO 2012/125628 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Surgical staple cartridges and methods for manipulating the severed ends of divided tissue. In various forms the staple cartridge has at least one base material temporarily supported thereon that is oriented to be stapled to a corresponding end of the divided tissue. At least one elongated tether is non removably affixed to each piece of base material. Once the base material is stapled to the corresponding piece of divided tissue the clinician may manipulate that pieced of divided tissue by applying manipulation motions to the tether. Corresponding grooves or pockets may be provided on the cartridge body for temporarily supporting the tethers therein.

No. of Pages : 34 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :30/08/2013

(43) Publication Date : 13/05/2016

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| (51) International classification | :E04H9/14 | (71)Name of Applicant : |
| (31) Priority Document No | :61/438,313 | 1)AMERIGLOBE LLC |
| (32) Priority Date | :01/02/2011 | Address of Applicant :153, SOUTH LONG STREET, |
| (33) Name of priority country | :U.S.A. | LAFAYETTE, LA 70506, U.S.A. U.S.A. |
| (86) International Application No | :PCT/US2012/023523 | 2)EVERETT LESLIE WAID JR. |
| Filing Date | :01/02/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/106456 | 1)SCHNAARS Daniel R. Sr. |
| (61) Patent of Addition to Application | :NA | 2)WAID Everett Leslie Jr. |
| Number | :NA :NA | 3)BEARD Jean André |
| Filing Date | .NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 - 4 4 - | | 1 |

(54) Title of the invention : FLOOD WALL PROTECTION SYSTEM

(57) Abstract :

A flood wall system and method of constructing same, including providing a first main panel section; attaching sleeves to each side of a main panel prior to configuring the final chamber; providing two sleeves of fabric at the upper opening of each chamber for supporting the chambers while the chambers are being filled with materials such as sane; providing a series of chambers sewn together to define a continuous cellular wall; the final chamber having a horizontal height which is two feet longer (0.61 meters) than the vertical height further having a front toe portion one foot (0.30 meters) min height; filling each chamber with a quantity of the material, such as sand, to fill each chamber; on each end of a completed chain of chambers, further comprising a set of loops or ties so that a chain of chambers is capable of being tied to other chains of chambers to define the continuous flood wall system.

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

(19) INDIA

(22) Date of filing of Application :19/09/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYPEPTIDES BINDING TO HUMAN COMPLEMENT C5

(57) Abstract :

The present invention relates to C5 binding polypeptides, comprising a C5 binding motif, BM, which motif consists of an amino acid sequence selected from i) EX2X3X4A X6X7EID X11LPNL X16X17X18QW X21AFIX25X26LX28D, and ii) an amino acid sequence which has at least 86 % identity to the sequence defined in i), wherein the polypeptide binds to C5. The present invention moreover relates to C5 binding polypeptides for use in therapy, such as for use in treatment of a C5 related condition, and to methods of treatments.

No. of Pages : 389 No. of Claims : 110

(19) INDIA

(22) Date of filing of Application :18/09/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR SYNTHESISING AMINOBIPHENYLS USING ARYL HYDRAZINES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07C209/68,C07C211/45,C07C211/52 :12001532.6 :07/03/2012 :EPO :PCT/EP2013/054605 :07/03/2013 :WO 2013/132006 D :NA :NA :NA | (71)Name of Applicant : 1)BASF SE Address of Applicant :67056 Ludwigshafen Germany (72)Name of Inventor : 1)HEINRICH Markus 2)JASCH Hannelore 3)HÃ-FLING Sarah |
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(57) Abstract :

The present invention describes a method for synthesising 2 aminobiphenyls and derivatives thereof. This method can be performed cost effectively and is based on selective reactions. Functionalised biphenyl compounds are of great interest particularly as pharmaceuticals and agricultural chemicals and as precursors for such active ingredients. The method for producing a compound of formula 3 is characterised in that a compound of formula 1 is reacted with a compound of formula 2 in the presence of an oxidising agent.

No. of Pages : 63 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :11/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CATHODE ACTIVE MATERIAL AND SECONDARY BATTERY USING SAME

| (51) International classification:H01M4/583,H01M4/485,H01M4/48(31) Priority Document No (32) Priority Date:1020100131377(32) Priority Date:21/12/2010(33) Name of priority country:Republic of Korea(86) International Application No Filing Date:PCT/KR2011/009170 :29/11/2011(87) International Publication No (61) Patent of Addition to Filing Date:WO 2012/086939(62) Divisional to Filing Date:NA :NA :NA(62) Divisional to Filing Date:NA :NA | (71)Name of Applicant : 1)LG CHEM LTD. Address of Applicant :20 Yoido dong Youngdungpo gu Seoul 150 721 Republic of Korea (72)Name of Inventor : 1)CHANG Sung Kyun 2)JANG WonSeok 3)KIM Je Young 4)HAN JungMin |
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|--|---|

(57) Abstract :

The present invention relates to a cathode active material that can occlude and emit ions, and provides a cathode active material and a secondary battery comprising the cathode active material, the cathode active material comprising: a core having a crystalline carbon based material; and a composite coating layer having at least one material selected from the group consisting of low crystalline carbon and amorphous carbon, and a hydrophilic material including an oxide that can occlude and emit ions, wherein the composite coating has a configuration of a matrix made of at least one material selected from the group consisting of low crystalline carbon and amorphous carbon, and an ingredient selected from hydrophilic materials including oxides that can occlude and emit ions, and a filler made of the remaining ingredients.

No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :11/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHOTOCHROMIC COMPOUNDS AND COMPOSITIONS

| classification :C0/D311/26,C0/D405/10,C0/D407/10 1) (31) Priority Document :61/459689 Flor No :61/459689 [72] (32) Priority Date :16/12/2010 (72) (33) Name of priority :U.S.A. 1) country :U.S.A. 2) (86) International :PCT/US2011/063878 3) Application No :08/12/2011 5) (87) International :WO 2012/082506 6) Publication No :WO 2012/082506 7) | Y1)Name of Applicant : 1)TRANSITIONS OPTICAL INC. Address of Applicant :9251 Belcher Road Pinellas Park lorida 33782 U.S.A. Y2)Name of Inventor : 1)HE Meng 2)DABIDEEN Darrin R. 3)DAI Xiao Man 4)XIAO Wenjing 5)XU Ruisong 6)MONDAL Suijit 7)KUMAR Anil 8)CHOPRA Anu |
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(57) Abstract :

Described herein are compounds generally comprising an indeno[2",3":3,4]naptho[1,2-b] pyran structure. Such compounds may be useful for their photochromic properties, and be used in certain photochromic compositions. Such compositions may further comprise other photochromic compositions and/or materials. Additionally, such compounds and/or compositions may be suitable for preparing certain photochromic articles. Also described herein are methods for preparing certain photochromic compounds, compositions, and articles.

No. of Pages : 74 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :22/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LAMINATE FOR FORMING FINE PATTERN AND METHOD FOR PRODUCING LAMINATE FOR FORMING FINE PATTERN

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H01L21/027,B29C33/38,B29C33/40 :2011139692 :23/06/2011 :Japan :PCT/JP2012/065494 :18/06/2012 :WO 2012/176728 :NA :NA :NA | (71)Name of Applicant : 1)ASAHI KASEI KABUSHIKI KAISHA Address of Applicant :3 23 Nakanoshima 3 Chome Kita ku Osaka shi Osaka 5308205 Japan (72)Name of Inventor : 1)KOIKE Jun 2)YAMAGUCHI Fujito 3)MAEDA Masatoshi 4)ARIHISA Shinji |
|---|--|--|
| Application Number | | |

(57) Abstract :

Provided is a laminate for forming a fine pattern whereby it is possible to easily form a fine pattern having a thin residual film or no residual films in order to form a fine pattern having a high aspect ratio on an object to be treated. Also provided is a method for producing said laminate for forming a fine pattern. This laminate (1) for forming a fine pattern is used for forming a fine pattern (220) on an object (200) to be treated via a first mask layer (103) the laminate (1) having: a mold (101) which has an uneven structure (101a) on the surface; and a second mask layer (102) disposed on the uneven structure (101a). The second mask layer (102) is characterized in that distance (1cc) and the height (h) of the uneven structure (101a) satisfy formula (1) and distance (1cv) and the height (h) satisfy formula (2): formula (1) being 0 < 1cc < 1.0h and formula (2) being 0 = 1cv = 0.05h.

No. of Pages: 480 No. of Claims: 115

(21) Application No.7709/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : 3 HYDROXY 6H BENZO[C]CHROMEN 6 ONE DERIVATIVE AND METHOD FOR PRODUCING SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D311/80 :2011026188 :09/02/2011 :Japan :PCT/JP2012/052824 :08/02/2012 :WO 2012/108455 :NA :NA :NA :NA | (71)Name of Applicant : 1)SANTEN PHARMACEUTICAL CO. LTD. Address of Applicant :9 19 Shimoshinjo 3 chome Higashiyodogawa ku Osaka shi Osaka 5338651 Japan (72)Name of Inventor : 1)KUDOU Kazuhiro 2)YAMAMOTO Noriyoshi 3)BAN Masakazu 4)OHNO Atsushi |
|---|---|---|
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(57) Abstract :

A method for producing a compound represented by formula (III) or a salt thereof which is characterized by causing a compound represented by formula (I) or a salt thereof and a compound represented by formula (II) or a salt thereof to react with each other in the presence of a carbonate salt and a copper salt or in the presence of a hydroxide salt a carbonate salt and a copper salt.

No. of Pages : 56 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :06/09/2013

(43) Publication Date : 13/05/2016

| (87) International Publication No:WO/2005/1074372)LIRA(61) Patent of Addition to Application·NΔ3)MER | GHT, Terry, R. A, Justin, M. LO, Donald, J. KINS, Nicole |
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(54) Title of the invention : NOVEL HERBICIDE RESISTANCE GENES

(57) Abstract :

The subject invention provides novel plants that are not only resistant to 2,4-D and other phenoxy auxin herbicides, but also to aryloxyphenoxypropionate herbicides. Heretofore, there was no expectation or suggestion that a plant with both of these advantageous properties could be produced by the introduction of a single gene. The subject invention also includes plants that produce one or more enzymes of the subject invention alone or "stacked" together with another herbicide resistance gene, preferably a glyphosate. resistance gene, so as to provide broader and more robust weed control, increased treatment flexibility, and improved herbicide resistance management options. More specifically, preferred enzymes and genes for use according to the subject invention are referred to herein as AAD (aryloxyalkanoate dioxygenase) genes and proteins. No & agr;-ketoglutarate-dependent dioxygenase enzyme has previously been reported to have the ability to degrade herbicides of different chemical classes and modes of action. This highly novel discovery is the basis of significant herbicide tolerant crop trait opportunities as well as development of selectable marker technology. The subject invention also includes related methods of controlling weeds. The subject invention enables novel combinations of herbicides to be used in new ways. Furthermore, the subject invention provides novel methods of preventing the formation of, and controlling, weeds that are resistant (or naturally more tolerant) to one or more herbicides such as glyphosate.

No. of Pages : 219 No. of Claims : 62

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : COMMUNIC | ATION SYSTEM | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04W8/18 :1113939.1 :12/08/2011 :U.K. :PCT/JP2012/067411 :02/07/2012 :WO 2013/024643 :NA :NA :NA :NA | (71)Name of Applicant : 1)NEC Corporation Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor : 1)GANAPATHY Suresh |

(57) Abstract :

A communication system is described in which a base station operating in a hybrid or closed access mode requests deletion of the copy of the CSG Id list maintained at the corresponding mobility management entity in the core network when the base station changes its operation mode to an open (non CSG) access mode.

No. of Pages : 34 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : APPARATUS AND METHOD FOR ISOLATING LEUKOCYTES AND TUMOR CELLS BY FILTRATION

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :A61M1/02,A61M1/34,B01L3/14 :61/444044 :17/02/2011 :U.S.A. | (71)Name of Applicant : 1)NESTEC S.A. Address of Applicant : Avenue Nestlé 55 CH 1800 Vevey U.S.A. |
|--|---|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/US2012/025491 :16/02/2012 :WO 2012/154257 | (72)Name of Inventor : 1)SINGH Sharat 2)LIU Xinjun 3)HESTER Kelly D. |
| (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 provides novel apparatuses and methods for isolating or recovering a subset of blood cells such as leukocytes and/or circulating tumor cells from blood samples by filtration without changing the intracellular concentration of a therapeutic agent such as an anticancer drug. Contrary to the art the apparatuses and methods of the present invention advantageously provide cell lysates from recovered cells such as leukocytes and/or circulating tumor cells without substantial dilution of a therapeutic agent such as an anticancer drug.

No. of Pages : 112 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NOVEL SEPARATOR AN ELECTROCHEMICAL CELL THEREWITH AND USE THEREOF THEREIN

| (51) International classification (31) Priority Document No | 1:C25B1/12,C25B13/02,C25B13/04 :11156178.3 | (71)Name of Applicant : 1)VITO NV |
|---|---|--|
| (32) Priority Date | :28/02/2011 | Address of Applicant :Boeretang 200 B 2400 Mol Belgium |
| (33) Name of priority country | :EPO | (72)Name of Inventor : |
| (86) International Application | :PCT/EP2012/053376 | 1)DOYEN Willy |
| No | :28/02/2012 | 2)ALVAREZ GALLEGO Yolanda |
| Filing Date (87) International Publication No | :WO 2012/116994 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An ion-permeable web-reinforced separator, said ion-permeable web-reinforced separator comprising two separator elements separated by an (optionally integrated) substantially hollow by-pass channel, wherein the separator elements each comprise a binder and a metal oxide or hydroxide dispersed therein and the separator elements have a bubble point of at least 1 bar and a back-wash resistance of at least 1 bar and optionally have a specific resistance less than 4 Ω -cm at 30ŰC in 6M potassium hydroxide solution; an electrochemical cell involving the production or consumption of at least one gas, said electrochemical cell comprising said ion-permeable web-reinforced separator; and the use thereof in an electrochemical cell involving the production or consumption of at least one gas.

No. of Pages : 63 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :05/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : GLA DOMAINLESS FACTOR XA FOR TREATING HAEMOPHILIA A OR B WITH OR WITHOUT INHIBITOR

| | :A61K38/36,C07K14/745,A61P7/04 :1151637 :01/03/2011 :France | (71)Name of Applicant : 1)UNIVERSITE JOSEPH FOURIER (GRENOBLE 1) Address of Applicant :Domaine Universitaire St Martin dHÃ["]res F 38041 Grenoble France 2)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE |
|---|--|--|
| Filing Date | :29/02/2012 | (72)Name of Inventor : 1)POLACK Benoît |
| (87) International Publication No | :WO 2012/117203 | 2)THOMAS Aline |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a pharmaceutical composition comprising a modified Xa factor (GDXa), said modified GDXa being nonthrombogenic and able to bind to the TFPI but not to the phospholipids, for preventing or treating a hemorrhagic accident in a patient suffering from haemophilia A or B with or without inhibitor.

No. of Pages : 49 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :17/09/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :E21B43/26,C01F5/00,C01F7/00 :61/468921 :29/03/2011 :U.S.A. :PCT/US2012/031081 :29/03/2012 o :WO 2012/135419 :NA :NA :NA | (71)Name of Applicant : 1)BAKER HUGHES INCORPORATED Address of Applicant :P.O. Box 4740 Houston TX 77210 U.S.A. (72)Name of Inventor : 1)AGRAWAL Gaurav 2)CREWS James B. 3)XU Zhiyue |
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(54) Title of the invention : HIGH PERMEABILITY FRAC PROPPANT

(57) Abstract :

Disintegrative particles are designed to be blended with and pumped with typical proppant materials, e.g. sand, ceramics, bauxite, etc, into the fractures of a subterranean formation. With time and/or change in wellbore or environmental condition, these particles will either disintegrate partially or completely, in non-limiting examples, by contact with downhole fracturing fluid, formation water, or a stimulation fluid such as an acid or brine. Once disintegrated, the proppant pack within the fractures will lead to greater open space enabling higher conductivity and flow rates. The disintegrative particles may be made by compacting and/or sintering metal powder particles, for instance magnesium or other reactive metal or their alloys. Alternatively, particles coated with compacted and/or sintered nanometer-sized or micrometer sized coatings could also be designed where the coatings disintegrate faster or slower than the core in a changed downhole environment.

No. of Pages : 28 No. of Claims : 26

(22) Date of filing of Application :22/08/2013

(21) Application No.7391/DELNP/2013 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : SUTURE ANCHOR

| classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :PCT/US2012/030608 :26/03/2012 | (71)Name of Applicant : 1)REDYNS MEDICAL LLC Address of Applicant :11693 San Vicente Boulevard #401 Los Angeles CA 90049 U.S.A. (72)Name of Inventor : 1)ROHLINGER George J. 2)SNYDER Nathan B. |
|--|-----------------------------------|---|
| Application Number | :NA :NA | |

(57) Abstract :

A suture anchor comprising a one piece blank folded to form a body. The body has a floor a first sidewall extending from one end of the floor and a second sidewall extending from an opposite end of the floor. A recess is defined by the floor first sidewall and second sidewall. A crossbar extends inwardly from the second sidewall across the recess such that a free end of the crossbar is normally disposed distally of a transverse edge of the body. The crossbar is flexible such that when a distally directed force is applied the free end of the crossbar is positionable in the recess. The free end of the crossbar is engageable with the transverse edge to limit the proximal motion of the crossbar from a proximally directed force.

No. of Pages : 24 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :27/08/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : ROLL STRIPPER DEVICE AND METHOD | | |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : SIEMENS PLC Address of Applicant :Faraday House Sir William Siemens Square Frimley Camberley GU16 8QD U.K. (72)Name of Inventor : ROUND Philip CLARK Michael Trevor |

(57) Abstract :

A roll stripper device comprises a stripper (26, 27) mounted on a stripper support (4); a sensor (47, 47a); and a processor in a control system (48). The sensor is adapted to provide a measure of distance to a work roll (21) and the processor is adapted to determine the position of a tip (42) of the stripper (26, 27) relative to the work roll, using the distance provided by the sensor (47, 47a).

No. of Pages : 24 No. of Claims : 22

(22) Date of filing of Application :27/08/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : FEED ROLL | ASSEMBLY | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :B21B39/16 :1106138.9 :12/04/2011 :U.K. :PCT/EP2012/056590 | (71)Name of Applicant : 1)SIEMENS PLC Address of Applicant :Faraday House Sir William Siemens Square Frimley Camberley GU16 8QD U.K. (72)Name of Inventor : |
| Filing Date (87) International Publication No | :11/04/2012 :WO 2012/140090 | 1)CLARK Michael Trevor 2)COOPER Brian |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)LEFLAY Stuart 4)ROUND Philip |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention · FEED DOLL ACCEMPLY

(57) Abstract :

A feed roll and stripper assembly (3, 4) for a rolling mill comprises at least one feed roll (25, 28) at each of an entry side and an exit side of a pair of work rolls (21, 22) and a stripper (26, 27) at each of the entry and exit side of the pair of work rolls. Each stripper comprises a stripper tip (40, 41). At least one of the strippers (26, 27) and the feed rolls (25, 28) are adapted to have an adjustable vertical separation (30, 31, 32, 33) from one of the work rolls (21), according to the direction of movement of material through the work rolls. The vertical separation (30, 31) of the at least one of the strippers and the feed rolls from one of the work rolls on one of the entry and exit side is different from the vertical separation (33, 32) of the other of the at least one of the strippers and the feed rolls on the other of the entry and exit side. Each stripper tip (40, 41) has a separation (42, 43) from the one of the work rolls (21, 22).

No. of Pages : 23 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :17/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEMS DEVICES AND METHODS FOR ASSEMBLING AUTOMATIC INJECTION DEVICES AND SUB ASSEMBLIES THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :A61M5/14,A61M5/34 :61/454097 :18/03/2011 :U.S.A. :PCT/US2012/029682 :19/03/2012 :WO 2012/129174 :NA :NA :NA | (71)Name of Applicant : 1)ABBVIE INC. Address of Applicant :1 North Waukegan Road North Chicago IL 60064 U.S.A. (72)Name of Inventor : 1)SZECHINSKI William P. 2)HOWARD Kenneth E. |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |
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(57) Abstract :

Exemplary embodiments provide automated assembly systems devices and methods for assembling components for use in forming an automatic injection device. Exemplary assembly systems monitor in real time the frictional forces experienced as a plurality of components are assembled. The detected forces are used in providing real time feedback to automatically control the assembly process and to determine whether the components are assembled properly.

No. of Pages : 219 No. of Claims : 41

(19) INDIA

(22) Date of filing of Application :17/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DETERGENT COMPOSITIONS CONTAINING BACILLUS SP. MANNANASE AND METHODS OF USE THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (92) Olivisional to Application Number (92) Divisional to Application Number (92) Divisional to Application Number (93) Divisional to Application Number (94) Divisional to Application Number (95) Divisional to Application Number (95) Divisional to Application Number (96) Divisional to Application Number (97) Divisional to Application Number (98) Divisional to Application Number (99) Divisional to Application Number (90) Divisional to Application Number (91) Divisional to Application Number (92) Divisional to Application Number (93) Divisional to Application Number (94) Divisional to Application Number (94) Divisional to Application Number (95) Divisional to Application Number (96) Divisional to Application Number (97) Divisional to Application Number (98) Divisional to Application Number< | California 94304 U.S.A. (72)Name of Inventor : 1)JONES Brian E. 2)KOLKMAN Marc 3)OIAN Zhen |
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(57) Abstract :

The present compositions and methods relate to an endo-B-mannanase cloned from a Bacillus sp., polynucleotides encoding the endo-B-mannanase, and methods of use thereof. Formulations containing the endo- β -mannanase are highly suitable for use as detergents.

No. of Pages : 164 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :11/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPUNBONDED NONWOVEN FABRIC

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (36) International (86) International (86) International (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) Divisional to (64) Patent of Number Filing Date (65) Divisional to (65) Divisional to (66) Divisional to (66) Date (67) Divisional to (67) Divisional to (68) Divisional to (61) Patent of Number Filing Date (62) Divisional to (63) Patent of Number (64) Patent of Number (65) Divisional to (65) Divisional to (66) Divisional to (7) Patent of Number (7) Patent of Nu | (71)Name of Applicant : 1)MITSUI CHEMICALS INC. Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato ku Tokyo 1057117 Japan (72)Name of Inventor : 1)MATSUBARA Akio 2)SUZUKI Kenichi 3)KAJIYAMA Shingo |
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(57) Abstract :

The purpose of the present invention is to obtain spunbonded nonwoven fabric which comprises thin hollow fibers and which has excellent lightweight properties and evenness and has high strength and flexibility. This spunbonded nonwoven fabric is characterized by comprising hollow fibers of a propylene polymer which satisfy the following requirements (a) to (c): (a) to have a degree of C axis orientation of at least 0.85; (b) to have an average fiber diameter of 5 20 ŵm; and (c) to have a percentage of hollowness of 5 30%.

No. of Pages : 59 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :11/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FUNCTIONALIZED MONOMERS

| (51) International classification:C10M129/72,C10M133/16,C10M159/20(31) Priority Document No:61/467273(32) Priority Date:24/03/2011(33) Name of priority country:U.S.A.(86) International Application No Filing Date:PCT/US2012/030296 :23/03/2012(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2012/129482(82) Divisional to Application Number Filing Date:NA :NA :NA | (71)Name of Applicant : ELEVANCE RENEWABLE SCIENCES Address of Applicant :2501 Davey Road Woodridge Illinois 60517 U.S.A. (72)Name of Inventor : DIBIASE Stephen Augustine RIZVI Syed Q. A. 3)HATEGAN Georgeta |
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(57) Abstract :

This invention relates to functionalized monomers. The functionalized monomer may be reacted with an enophilic reagent (e.g. maleic anhydride) to form an enophilic reagent modified functionalized monomer. The invention relates to lubricants functional fluids fuels dispersants detergents functional compositions (e.g. food products cleaners etc.) and the like.

No. of Pages : 202 No. of Claims : 96

(19) INDIA

(22) Date of filing of Application :11/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :PCT/JP2012/056084 :09/03/2012 :WO 2012/128070 | (71)Name of Applicant : 1)SONY CORPORATION Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor : 1)TAKAHASHI Yoshitomo 2)HATTORI Shinobu 3)SAKURAI Hironari |
|--|--|---|
| (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 pertains to an image processing device and an image processing method which enable color images for display viewpoints to be generated using color images and depth images with predetermined viewpoints. An information generation unit for generating viewpoints generates viewpoint generation information which is used when generating color images for display viewpoints according to a method for generating color images for display viewpoints obtained by carrying out warping using multi view corrected color images and multi view depth images. A multi view image encoding unit encodes the multi view corrected color images and transmits the images with the viewpoint generation information. The present invention can be applied to an image processing device for multi view images for example.

No. of Pages : 138 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :17/09/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SILICA LOADED CATALYST | | |
|--|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B01J23/28,B01J23/31,B01J23/34 :2011095422 :21/04/2011 :Japan :PCT/JP2012/059707 :09/04/2012 :WO 2012/144369 :NA :NA :NA | (71)Name of Applicant : 1)Asahi Kasei Chemicals Corporation Address of Applicant :1 105 Kanda Jinbocho Chiyoda ku Tokyo 1018101 Japan (72)Name of Inventor : 1)ENDO Satoshi 2)KATO Takaaki |

(57) Abstract :

A silica-loaded catalyst which is used for producing a corresponding unsaturated nitrile by a vapor-phase catalytic ammoxidation reaction of propane or isobutane. The silica-loaded catalyst contains a metal oxide represented by formula (1) and has an average pore diameter of 60-120 nm, a total pore volume of 0.15 cm3/g or more, a specific surface area of 5-25 m2/g, and a crystallite size of 40-250 nm as calculated using the half width of the (001) peak as determined by X-ray diffraction. MoVaNbbXcTdZeOn (1) (In formula (1), X represents at least one element selected from among Sb and Te; T represents at least one element selected from among La, Ce, Yb and Y; and a, b, c, d and e are respectively within the following ranges, $0.05 \le a \le 0.5$, $0.01 \le b \le 0.5$, $0.001 \le c \le 0.5$, $0 \le d \le 1$ and $0 \le e \le 1$, and n represents a number that maintains a balance among the atomic valences.)

No. of Pages : 219 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :23/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYESTER BINDER RESIN FOR COATING AND COATING COMPOSITION CONTAINING SAME

| (51) International classification:C08G63/08,C08L67/04,C09D167/04(31) Priority Document No:1020110031554(32) Priority Date:06/04/2011(33) Name of priority country:Republic of Korea(86) International Application No Filing Date:PCT/KR2012/002573 :05/04/2012(87) International Publication No:WO 2012/138145(61) Patent of Addition to Filing Date:NA :NA(62) Divisional to Filing Date:NA :NA | (71)Name of Applicant : 1)SK CHEMICALS CO. LTD. Address of Applicant :310 Pangyo Ro Bundang Gu Seongnam Si Gyeonggi Do 463 400 Republic of Korea (72)Name of Inventor : 1)KIM Dong Jin 2)LEE Kye Yune |
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(57) Abstract :

Disclosed are a polyester binder resin for coating, and a coating composition containing the same, wherein lactic acid or a compound derived therefrom and isosorbide are copolymerized, and thus the content of biomass-derived compounds is high and coating hardness, contamination resistance, hydrolysis resistance and processability are excellent. The polyester binder resin for coating is obtained by copolymerizing a dibasic acid component; a diol component containing 1-60 mol of isosorbide with respect to the total diol components; and 1-50 wt% of lactic acid or a compound derived therefrom with respect to the total resin polymerization reactants, and has the structure in which a dibasic moiety derived from the dibasic acid component, a diol moiety derived from the diol component, and a hydroxy monobasic acid moiety derived from said lactic acid or a compound derived therefrom are repeated.

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

(19) INDIA

(22) Date of filing of Application :22/08/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : REAMER FOR IMPLANT SURGERY | | |
|--|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | A :A61C3/02,A61B17/16,A61C8/00 A :1020120021568 A :02/03/2012 A :Republic of Korea PCT/KR2013/001137 A :14/02/2013 WO 2013/129790 :NA :NA :NA :NA | (71)Name of Applicant : 1)AHN Sang Hoon Address of Applicant :#403 1303 Yeolmaemaeul 4 danji Apt. Jijok dong Yuseong gu Daejeon 305 770 Republic of Korea (72)Name of Inventor : 1)AHN Sang Hoon |

(57) Abstract :

The present invention relates to a reamer for forming a hole in the bone for implant placement which is specifically structured so that cutting edges (20) which have a linear form that is horizontal to cutting front end portions (10) having a front end are alternately and radially formed at an upper portion of a cutting portion (1) wherein the rear side of the cutting front end portions (10) is formed as a depressed surface (11) which slants downward toward the center of the cutting portion (1) wherein the rear side of the cutting portion (1) wherein the rear side of the cutting edges (20) is formed as a slanted surface (21) which slants downward toward an outer circumferential surface of the cutting portion (1) wherein bone storage grooves (31) in which residue of the bone (40) that is eliminated is inserted and accumulated are formed between the cutting front end portions (10) and the cutting edges (20) which are alternately formed and an incline angle of side surface slanted edges (30) which are formed on an outer circumference of the cutting front end portions (10) and the cutting edges (20) becomes gradually smaller in the direction of rotation.

No. of Pages : 16 No. of Claims : 1

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :A23L 1/052 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/507,096 | 1)MARAXI,INC |
| (32) Priority Date | :07/12/2011 | Address of Applicant :525 CHESAPEAKE DR., REDWOOD |
| (33) Name of priority country | :U.S.A. | CITY, CALIFORNIA 94063, USA U.S.A. |
| (86) International Application No | :PCT/US2012/046552 | (72)Name of Inventor : |
| Filing Date | :07/12/2012 | 1)BROWN PATRICK O'REILLY |
| (87) International Publication No | :WO2013/010037 | 2)CASINO MONTE |
| (61) Patent of Addition to Application | :NA | 3)VOCCOLA LYNN S |
| Number | :NA :NA | 4)VARADAN RANJANI |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : METHODS AND COMPOSITIONS FOR CONSUMABLES

(57) Abstract :

Provided herein are methods and compositions for the production of cheese replicas. Generally the cheese replicas are produced by inducing the enzymatic curdling of non-dairy milks.

No. of Pages : 57 No. of Claims : 89

(22) Date of filing of Application :09/09/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : NOVEL TRICYCLIC COMPOUNDS AND PROCESS FOR PREPARATION THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (57) Abstract : | :C07D471/06,A61K31/4985,A61P31/04 :2101/DEL/2013 :12/07/2013 :India :PCT/IN2014/000465 :14/07/2014 :WO 2015/004687 :NA :NA :NA | (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant : [An Indian Registered body incorporated under the Registration of Societies Act (Act XXI of 1860)] Anusandhan Bhawan Rafi Marg New Delhi 110001 Delhi India (72)Name of Inventor : 1)REDDY Dumbala Srinivasa 2)SHINGARE Rahul Dilip 3)RAMADOSS Velayudham |
|--|---|---|
|--|---|---|

(57) Abstract :

The present invention relates to novel tricyclic compounds of formula (I) and (II) More particularly the present invention relates to novel tricyclic compounds of formula (I) and (II) and process of preparation of these compounds from 4 5 dimethyl o phenylinediamine. Further the present invention relates to a process for preparation of tricyclic compound hunanamycin A.

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

(19) INDIA

(22) Date of filing of Application :30/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLARIZATION STABILIZATION SCHEME FOR UN COOLED SELF TUNING CAVITY FOR COLORLESS ULTRA BROADBAND PON

| (51) International classification | :H04B10/145,H01S5/14,H01S3/106 | (71)Name of Applicant : 1)ALCATEL LUCENT |
|-----------------------------------|--------------------------------|--|
| (31) Priority Document No | :11162510.9 | Address of Applicant :3 Avenue Octave Gréard F 75007 |
| (32) Priority Date | :14/04/2011 | Paris France |
| (33) Name of priority country | :EPO | (72)Name of Inventor : |
| (86) International Application | :PCT/EP2012/056753 | 1)MARTINELLI Mario |
| No Filing Date | :13/04/2012 | 2)GAVIOLI Giancarlo 3)GALLI Paola |
| (87) International Publication | :WO 2012/140186 | 4)DI MOLA Domenico |
| No (61) Patent of Addition to | :NA | 5)PAROLARI Paola 6)MARAZZI Lucia |
| Application Number Filing Date | :NA :NA | 7)RAZZETTI Luca 8)SUBERINI Luca |
| (62) Divisional to Application | ':NA | 9)CAMPI Domenico |
| Number | :NA :NA | |
| Filing Date | ** ** * | |

(57) Abstract :

The present document relates to the field of optical access networks. In particular the present document relates to an optical transmitter in particular (but not exclusively) for a WDM (Wavelength Division Multiplexing) passive optical network and to a WDM PON comprising such an optical transmitter. An optical transmitter arrangement (7) is described. The arrangement (7) comprises a first mirror (41) and a second mirror (64) at a first end and a second end of a cavity respectively; an optical amplifier (63) configured to amplify light polarized in a first polarization plane; wherein the optical amplifier (63) is positioned within the cavity upstream the first mirror (64); an optical waveguide (5 2) configured to transmit light from the optical amplifier (63) to the second mirror (41) and vice versa; a first non reciprocal polarization rotator (82) positioned within the cavity upstream of the optical amplifier (63) and downstream of the optical waveguide (5 2); and a second non reciprocal polarization rotator (81) positioned within the cavity upstream of the optical waveguide (5 2) and downstream of the first mirror (41); wherein the first (82) and second (81) non reciprocal polarization rotators are configured to rotate the polarization of the light such that light which re enters the optical amplifier (63) after having been reflected by the second mirror (41) is polarized in the first polarization plane.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : BCL-2/BCL-XL INHIBITORS AND THERAPEUTIC METHODS USING THE SAME

| (51) Internationalclassification(31) Priority DocumentNo | :C07D403/10,C07D403/14,A61K31/496 :61/436077 | (71)Name of Applicant : 1)THE REGENTS OF THE UNIVERSITY OF MICHIGAN Address of Applicant :Office of Technology Transfer 1600 Huron Parkway 2nd Floor Ann Arbor MI 48109 2590 U.S.A. |
|---|---|--|
| (32) Priority Date | :25/01/2011 | (72)Name of Inventor : |
| (33) Name of priority country | :U.S.A. | 1)WANG Shaomeng 2)ZHOU Haibin |
| (86) International Application No Filing Date | :PCT/US2012/022315 :24/01/2012 | 3)CHEN Jianfang 4)AGUILAR Angelo 5)MEAGHER Jennifer Lynn |
| (87) International Publication No | :WO 2012/103059 | 6)SUN Duxin 7)YANG Chao Yie |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to | :NA | 8)LIU Liu 9)BAI Longchuan 10)MCEACHERM Donna 11)STUCKEY Jeanne |
| Application Number Filing Date | :NA :NA | 12)LI Xiaoqin |

(57) Abstract :

Inhibitors of Bcl-2/Bcl-xL and compositions containing the same are disclosed. Methods of using the Bcl-2/Bcl-xL inhibitors in the treatment of diseases and conditions wherein inhibition of Bcl-2/Bcl-xL provides a benefit, like cancers, also are disclosed.

No. of Pages : 204 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : JOINT TAPE AND ABRASIVE ARTICLES PREPARED WITH SAME

(57) Abstract :

A joint tape includes a film substrate fibers disposed on a major surface of the film substrate and a binder or adhesive disposed over the major surface of the film substrate. The binder or adhesive includes a latent cure urethane formulation including a surface deactivated isocyanate cross linking agent and a polyol component.

No. of Pages : 25 No. of Claims : 34

(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C09K3/14 :61/428811 :30/12/2010 :U.S.A. :PCT/US2011/068249 :30/12/2011 :WO 2012/092619 :NA :NA | (71)Name of Applicant : 1)SAINT GOBAIN ABRASIVES INC. Address of Applicant :One New Bond Street Worcester Massachusetts 01615 U.S.A. 2)SAINT GOBAIN ABRASIFS (72)Name of Inventor : 1)WANG Jianna 2)MANNING James J. 3)GOLDSMITH Paul S. 4)GAETA Anthony C. |
|---|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : COATED ABRASIVE AGGREGATES AND PRODUCTS CONTAINING SAME

(57) Abstract :

A coated abrasive product includes a particulate material containing green unfired abrasive aggregates having a generally spheroidal or toroidal shape the aggregates formed from a composition comprising abrasive grit particles a nanoparticle binder a dual function material and a cross linking agent. These green unfired abrasive aggregates can also be used in free abrasive products and bonded abrasive products.

No. of Pages : 43 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 13/05/2016

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | 61/428736 30/12/2010 | (71)Name of Applicant : UNITED STATES GYPSUM COMPANY Address of Applicant :550 West Adams Street Chicago Illinois 60661 U.S.A. (72)Name of Inventor : LI Alfred LEE Chris C. NELSON Chris CHAN Cesar SONG Weixin David WITTBOLD James |
|---|-------------------------|---|
|---|-------------------------|---|

(54) Title of the invention : SLURRY DISTRIBUTION SYSTEM AND METHOD

(57) Abstract :

A slurry distributor (100) for use in a continuous manufacturing process includes an inlet opening (102) and a shaped duct (112) adapted to receive a flow of slurry provided at the inlet opening (102). The shaped duct (112) has a parabolic guide surface adapted to redirect the flow of slurry. An outlet opening (104) in fluid communication with the shaped duct (112) is adapted to discharge the flow of slurry from the slurry distributor (100).

No. of Pages : 30 No. of Claims : 17

(22) Date of filing of Application :29/01/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : M2M SERVI | CES ENABLEMENT AF | CHITECTURE FOR CELLULAR ACCESS NETWORKS |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04W4/00 :61/508243 :15/07/2011 :U.S.A. :PCT/IB2012/053365 :02/07/2012 :WO 2013/011400 :NA :NA :NA :NA | (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor : |

(57) Abstract :

A Machine to Machine (M2M) services enablement architecture (95) for a cellular Access Network (AN) (84) that allows the cellular AN operator to not only deploy its M2M Services Capabilities (SC) as an M2M SC Server (141) within its network domain but to also use its M2M. SC to work as an M2M SC Proxy (100) when communicating with an M2M Service Provider (SP) network (82) that also deploys an M2M SC Server (102). The M2M SC Proxy in the cellular AN relays all signaling plane communications between an M2M device s/gateway s SC (165) and the SP s M2M SC Server. The M2M SC Proxy provides the cellular AN with an access to all of the Across Layers (Transport and Service Layers) information needed for the M2M services enablement in the cellular AN This proxy based solution allows the cellular AN to serve al! types of M2M SPs and relieves the M2M SP from the need to support different cellular AN interworking interfaces.

No. of Pages : 97 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :03/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : JOINT TRANSMISSION COMP WITH SINGLE CARRIER CELL AGGREGATION :H04B7/02,H04W72/04 (71)Name of Applicant : (51) International classification 1)NOKIA SIEMENS NETWORKS OY (31) Priority Document No :NA (32) Priority Date Address of Applicant :Karaportti 3 FI 02610 Espoo Finland :NA (33) Name of priority country :NA (72)Name of Inventor : 1) **RIBEIRO** Cassio Barboza (86) International Application No :PCT/FI2011/050329 Filing Date :14/04/2011 2)HUGL Klaus (87) International Publication No :WO 2012/140309 **3)LUNTTILA Timo** (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

In accordance with the exemplary embodiments of the invention there is at least a method apparatus and computer program to determine each transmission point participating in a joint cooperative multi point transmission to a user equipment send a downlink message to the user equipment which identifies each of the transmission points and which schedules for the user equipment downlink resources on which each of the transmission points are to send downlink data to the user equipment in the joint cooperative multi point transmission and send a transmission to the user equipment on one of the downlink resources in conjunction with each other transmission point s transmission to the user equipment. Further in accordance with the exemplary embodiments there is at least a method apparatus and computer program to receive a downlink message which identifies each of transmission points participating in a joint cooperative multi point transmission with a user equipment and which schedules downlink resources on which the user equipment is to receive downlink data from the transmission points for the joint cooperative multi point transmission and receive at the user equipment a transmission on one of the downlink resources in conjunction with the other transmission point s transmission.

No. of Pages : 35 No. of Claims : 46

(22) Date of filing of Application :27/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND DEVICE FOR THE SYNTHESIS OF ARTEMISININ

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D493/22 :11007018.2 :29/08/2011 :EPO :PCT/EP2012/066800 :29/08/2012 :WO 2013/030247 :NA :NA :NA :NA | (71)Name of Applicant : 1)MAX-PLANCK-GESELLSCHAFT ZUR FÃ-RDERUNG DER WISSENSCHAFTEN E.V. Address of Applicant :Hofgartenstrasse 8 80539 Munich Germany (72)Name of Inventor : 1)SEEBERGER Peter H. 2)KOPETZKI Daniel 3)LÉVESQUE Francois |
|---|---|---|
|---|---|---|

(57) Abstract :

The present invention is directed to a method for producing artemisinin having the formula (6) from dihydroartennisinic acid in a continuous flow reactor using singlet oxygen as well as to the continuous flow reactor for producing artemisinin.

No. of Pages : 103 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :03/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR DISCOVERING PHARMACOGENOMIC BIOMARKERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | a :C12Q1/68,G06F17/00,G06F19/22 :61/437788 :31/01/2011 :U.S.A. :PCT/US2012/023195 :30/01/2012 | (71)Name of Applicant : 1)DENOVO BIOMARKERS INC. Address of Applicant :6404 Nancy Ridge Drive San Diego California 92121 U.S.A. (72)Name of Inventor : 1)LUO Wen |
|--|--|---|
| (87) International Publication | :WO 2012/106267 | |
| (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 relates to a method of discovering pharmacogenomic biomarkers that are correlated with varied individual responses (efficacy adverse effect and other end points) to therapeutic agents. The present invention provides a mean to utilize archived clinical samples to perform genome wide association study in order to identify novel pharmacogenomic biomarkers. The newly discovered biomarkers can then be developed into companion diagnostic tests which can help to predict drug responses and apply drugs only to those who will be benefited or exclude those who might have adverse effects by the treatment.

No. of Pages : 48 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :04/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SUBSTITUTED VINYL AND ALKINYL CYCLOHEXENOLS AS ACTIVE AGENTS AGAINST ABIOTIC STRESS IN PLANTS

| (51) International classification:C07D317/20,C07C403/00,C07D403/00(31) Priority Document No:11162599.2(32) Priority Date:15/04/2011(33) Name of priority country:EPO(86) International Application No Filing Date:PCT/EP2012/055479(87) International Publication No:WO 2012/139891(61) Patent of Addition to Filing Date:NA(62) Divisional to Filing Date:NA(57) Abstract i:NA | (71)Name of Applicant : 1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789 Monheim Germany (72)Name of Inventor : 1)FRACKENPOHL Jens 2)MÜLLER Thomas 3)HEINEMANN Ines 4)VON KOSKULL DÖRING Pascal 5)ROSINGER Christopher Hugh 6)HÃ,,USER HAHN Isolde 7)HILLS Martin Jeffrey |
|---|---|
|---|---|

(57) Abstract :

The invention relates to substituted vinyl and alkinyl cyclohexenols of general formula (I) and the salts thereof, in which the radicals R1, R2, R3, R4, R5, [X-Y] and Q have the definitions specified in the description, to methods for the production thereof and the use thereof for enhancing stress tolerance in plants against abiotic stress and/or for increasing plant yield.

No. of Pages : 331 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :20/10/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :F28D20/00 | (71)Name of Applicant : |
|---|--------------------------------------|--|
| (31) Priority Document No | :1207114.8 | 1)ISENTROPIC LTD |
| (32) Priority Date | :23/04/2012 | Address of Applicant :7 Brunel Way Segensworth East |
| (33) Name of priority country | :U.K. | Fareham Hampshire PO15 5TX U.K. |
| (86) International Application No | :PCT/GB2013/050628 | (72)Name of Inventor : |
| Filing Date | :14/03/2013 | 1)HOWES Jonathan Sebastian |
| (87) International Publication No | :WO 2013/160650 | 2)MACNAGHTEN James |
| (61) Patent of Addition to Application | ٠NA | 3)HUNT Rowland Geoffrey |
| Number | | 4)BENNETT Robert Geoffrey |
| Filing Date | .11A | 5)WILSON Alexander Bruce |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :WO 2013/160650 :NA :NA :NA | 2)MACNAGHTEN James 3)HUNT Rowland Geoffrey 4)BENNETT Robert Geoffrey |

(54) Title of the invention : IMPROVED THERMAL ENERGY STORAGE APPARATUS

(57) Abstract :

A thermal energy store comprising a chamber having a gas inlet and a gas outlet and a plurality of successive downstream gas permeable thermal storage layers disposed between them each layer comprising gas permeable thermal storage media the store being configured for gas flow from the gas inlet to gas outlet through the layers for transfer of thermal energy to or from the thermal storage media wherein at least one of the layers is a valved layer provided with at least one valve operable selectively to allow or prevent at least some gas flow through that layer via the valve so as to bypass the thermal storage media. A control system may selectively alter the flow path of the gas flowing from inlet to outlet in response to the progress of a thermal front so as to bypass thermal storage layers upstream of the thermal front where transfer is complete or downstream thereof where transfer is minimal.

No. of Pages : 100 No. of Claims : 96

(22) Date of filing of Application :20/10/2014

(21) Application No.8794/DELNP/2014 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : DR5 LIGAND DRUG CONJUGATES

| :A61K39/395 | (71)Name of Applicant : |
|--------------------|--|
| :61/637808 | 1)SEATTLE GENETICS INC. |
| :24/04/2012 | Address of Applicant :21823 30th Dr. S.E. Bothell |
| :U.S.A. | Washington 98021 U.S.A. |
| :PCT/US2013/037861 | 2)DAIICHI SANKYO CO. LTD. |
| :23/04/2013 | (72)Name of Inventor : |
| :WO 2013/163229 | 1)OHTSUKA Toshiaki |
| ٠NIA | 2)ICHIKAWA Kimihisa |
| | 3)YADA Ayumi |
| INA | |
| :NA | |
| :NA | |
| | :61/637808 :24/04/2012 :U.S.A. :PCT/US2013/037861 :23/04/2013 :WO 2013/163229 :NA :NA |

(57) Abstract :

Ligand Drug Conjugates are provided having a DRS binding moiety attached via linking groups and/or spacers to a therapeutic agent that are effective in treatment of various cancers. In some embodiments the Ligand Drug Conjugate has the formula: L (LU D)p where L is a Ligand unit LU is a Linker unit and D is a Drug unit (or cytotoxic agent). The subscript p is an integer of from 1 to 20. Accordingly the Ligand Drug Conjugates comprise a Ligand unit covalently linked to at least one Drug unit. The Drug units can be covalently linked directly or via a Linker unit (LU). The Ligand unit is a DR5 binding agent such as an anti DRS antibody.

No. of Pages : 114 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :04/02/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : LOW BEND LOSS OPTICAL FIBER | | | |
|---|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | | (71)Name of Applicant : 1)CORNING INCORPORATED Address of Applicant :1 Riverfront Plaza Corning NY 14831 U.S.A. (72)Name of Inventor : | |
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :17/08/2012 :WO 2013/028513 :NA :NA :NA :NA | 1)BICKHAM Scott Robertson 2)BOOKBINDER Dana Craig 3)COON Jeffrey 4)LI Ming Jun 5)MISHRA Snigdharaj Kumar 6)TANDON Pushkar 7)WEST James Andrew | |

(57) Abstract :

An optical fiber having both low macrobend loss and low microbend loss. The fiber has a first inner cladding region o having an outer radius r2 > 8 micrometer and refractive index D 2 and a second outer cladding region surrounding the inner cladding region having refractive index D, wherein D i > D > D2. The difference between D and D2 is greater than 0.002 percent. The fiber o exhibits a 22m cable cutoff less than or equal to 1260 nm, and ri/r 2 is greater or equal to 0.25.

No. of Pages : 39 No. of Claims : 31

(22) Date of filing of Application :04/02/2014

(21) Application No.830/DELNP/2014 A

(43) Publication Date : 13/05/2016

| (51) International classification | :B01F3/04 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/521794 | 1)SODASTREAM INDUSTRIES LTD. |
| (32) Priority Date | :10/08/2011 | Address of Applicant :Gilboa Street Airport City 70100 Ben |
| (33) Name of priority country | :U.S.A. | Gurion Airport Israel |
| (86) International Application No | :PCT/IB2012/054066 | (72)Name of Inventor : |
| Filing Date | :09/08/2012 | 1)RING Allan |
| (87) International Publication No | :WO 2013/021361 | 2)COHEN Avi |
| (61) Patent of Addition to Application | .NI A | 3)KROM Doron |
| Number | :NA | 4)HARDUFF Hagai |
| Filing Date | :NA | 5)AVIGDOR Amit |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 - (| | |

(54) Title of the invention : SODA MACHINE PRONGED CLAMP

(57) Abstract :

There is provided in accordance with an embodiment of the present invention a pronged clamp apparatus for attaching a soda bottle to a soda machine the apparatus comprising prongs to attach the bottle to the soda machine; and a locking mechanism to lock the bottle to the machine at least during carbonation. In accordance with an embodiment of the present invention the apparatus also comprises a flexible seal to facilitate a closed carbonation environment and a ring to constrict the prongs underneath a ringed extension of the bottle thereby lifting the bottle towards the seal to clamp the bottle to the flexible seal.

No. of Pages : 32 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :15/10/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : ENCODER ECCENTRICITY CORRECTION FOR ELEVATOR SYSTEMS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (2) Distributed Application Number (3) Distributed Application Number | :NA :NA :PCT/US2012/040695 :04/06/2012 :WO 2013/184086 :NA :NA | (71)Name of Applicant : 1)OTIS ELEVATOR COMPANY Address of Applicant :Ten Farm Springs Road Farmington CT 06032 2568 U.S.A. (72)Name of Inventor : 1)CULP Slade R. 2)KANG Keunmo 3)DARDONA Sameh 4)VERONESI William A. |
|---|--|---|
| | :NA :NA :NA | |
| | .117 | |

(57) Abstract :

An encoder assembly (36) is disclosed. The encoder assembly comprises a motor (26) having a rotor (32) and an encoder (36). The encoder (36) comprises an encoder wheel (38) axially coupled to the rotor (32) a first sensor (46a) configured to detect a first velocity at which a portion of the encoder wheel (38) moves relative to the first sensor (46a) and a second sensor (46b) configured to detect a second velocity at which a portion of the encoder wheel (38) moves relative to the second sensor (46b) the first sensor (46a) and the second sensor (46b) positioned approximately 180 degrees apart from each other about an axis of rotation of the rotor (32).

No. of Pages : 23 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :15/10/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR THE PREPARATION OF SURFACTANT PEPTIDES (51) International classification :C07K14/785 (71)Name of Applicant : (31) Priority Document No 1)CHIESI FARMACEUTICI S.P.A. :12002678.6 (32) Priority Date :17/04/2012 Address of Applicant : Via Palermo 26/A I 43100 Parma Italy (33) Name of priority country :EPO (72)Name of Inventor: (86) International Application No 1)MOZZARELLI Andrea :PCT/EP2013/057879 Filing Date 2) **RABONI** Samanta :16/04/2013 (87) International Publication No :WO 2013/156464 **3)PIOSELLI Barbara** (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Method for the preparation of surfactant protein C peptides (SP C peptides) based on heterologous expression of a fusion protein of an SP C peptide and a maltose binding protein; genetic constructs vectors and host cells for use in this method.

No. of Pages : 22 No. of Claims : 15

(21) Application No.8806/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPINDLE CONVEYOR AND WORKPIECE TREATMENT STATION COMPRISING THE SAME

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :B65G19/02,B61B10/02 :10 2011 100 825.3 :07/05/2011 :Germany :PCT/EP2012/001780 :26/04/2012 :WO 2012/152380 :NA :NA :NA :NA | (71)Name of Applicant : ESENMANN AG Address of Applicant :Tübinger Str. 81 71032 Böblingen Germany (72)Name of Inventor : STARZ Reiner HOFBAUER Ulrich |
|---|---|---|
|---|---|---|

(57) Abstract :

Disclosed is a spindle conveyor for conveying workpieces, in particular vehicle wheels, comprising a rail system (10) that includes at least one support rail (18). Multiple conveyor carriages (34) have a chassis (32) that can be moved on the support rail (18) in a conveying direction (16) and a supporting device (42) for workpieces (14) which is entrained by the chassis (32). Each workpiece (14) can be mounted on a workpiece spindle (54a, 54b) which is part of the supporting device (42). The supporting device (42) comprises a pair (56) of workpiece spindles, i.e. a first and a second workpiece spindle (54a, 54b). The pair (56) of workpiece spindles is mounted so as to be rotatable as a unit relative to the chassis (32) about a vertical axis of rotation (52) and can be moved at least into a first rotational position and a second rotational position. Also disclosed is a station for treating workpieces, in particular vehicle wheels, comprising such a spindle conveyor which allows the workpieces (14) to be conveyed through the station.

No. of Pages : 37 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : AN APPARATUS FOR COLLECTING WASTE DEBRIS :B65D33/28 (71)Name of Applicant : (51) International classification 1)INDIAN INSTITUTE OF TECHNOLOGY, NEW DELHI (31) Priority Document No :NA (32) Priority Date Address of Applicant :INDIAN INSTITUTE OF :NA (33) Name of priority country TECHNOLOGY, HAUZ KHAS, NEW DELHI-110016 Delhi :NA (86) International Application No :NA India Filing Date :NA (72)Name of Inventor: (87) International Publication No : NA 1)KANT, NILAY (61) Patent of Addition to Application Number :NA 2)AGARWAL, ARJUN Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The various embodiments of the present invention provide an apparatus for collecting waste debris wherein the apparatus is operated by a human power. According to the embodiment when the user pushes the apparatus which in turn moves the wheel shaft moves the pulley connected to the wheel shaft with it. The criss-crossed belt connected to the rear wheel pulley and pulley of the cylindrical brush gets actuated when the apparatus is in motion. The cylindrical brush rotates in the anti-clock wise direction (i.e.) the cylindrical brush moves in the direction opposite to that of the rear wheel shaft and with an increased rotational speed and the front cylindrical roller moves in the clock wise direction i.e. the same direction as the apparatus is moved in. The waste debris such as leaves, plates, cups, etc. are first flattened or squeezed by the cylindrical roller and then lifted by the cylindrical brush. The waste debris etc. is forced upwards and falls on the cylindrical roller then the cylindrical roller guides the waste debris into the waste debris collection bin.

No. of Pages : 24 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :18/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FUSED TRICYCLIC DUAL INHIBITORS OF CDK 4/6 AND FLT3

| (51) International classification | :C07D471/14,C07D519/00,A61K31/519 | (71)Name of Applicant : 1)AMGEN INC. |
|-----------------------------------|-----------------------------------|--|
| (31) Priority Document No | :61/466841 | Address of Applicant :One Amgen Center Drive Thousand Oaks California 91320 1799 U.S.A. |
| (32) Priority Date | :23/03/2011 | (72)Name of Inventor : |
| (33) Name of priority | :U.S.A. | 1)CHEN Xiaoqi |
| country | | 2)DAI Kang |
| (86) International | :PCT/US2012/030007 | 3)DUQUETTE Jason |
| Application No | :21/03/2012 | 4)GRIBBLE Michael W. Jr. |
| Filing Date | .21,03,2012 | 5)HUARD Justin N. |
| (87) International | :WO 2012/129344 | 6)KEEGAN, KATHLEEN S. |
| Publication No | | 7)LI Zhihong |
| (61) Patent of Addition to | ⁰ · N A | 8)LIVELY Sarah E. |
| Application Number | :NA | 9)MCGEE Lawrence R. |
| Filing Date | .NA | 10)RAGAINS Mark L. |
| (62) Divisional to | :NA | 11)WANG Xianghong |
| Application Number | :NA | 12)WEIDNER Margaret F. |
| Filing Date | .11A | 13)ZHANG Jian |

(57) Abstract :

Compounds of Formula (I) are useful inhibitors of CDK 4, CDK6, and FLT3. Such compounds are useful in treating cancer and various other disease conditions. Compounds of Formula (I) have the following structure: where R1 is a group of Formula (IA), Formula (IB), Formula (IC), or Formula (ID) and the definitions of the other variables are provided herein.

No. of Pages : 212 No. of Claims : 38

(19) INDIA

(22) Date of filing of Application :18/09/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F1/16 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/069099 | 1)AMAZON TECHNOLOGIES INC. |
| (32) Priority Date | :22/03/2011 | Address of Applicant : P.O. Box 8102 Reno Nevada 89507 |
| (33) Name of priority country | :U.S.A. | U.S.A. |
| (86) International Application No | :PCT/US2012/029826 | (72)Name of Inventor : |
| Filing Date | :20/03/2012 | 1)ROSS Peter G. |
| (87) International Publication No | :WO 2012/129239 | 2)FRINK Darin Lee |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : SHELF MOUNTED MODULAR COMPUTING UNIT

(57) Abstract :

A system for performing computing operations includes a rack one or more shelves coupled to the rack and two or more computing modules. Each computing module may include a chassis one or more circuit board assemblies in a primarily vertical orientation and one or more hard disk drives in a primarily vertical orientation. The circuit board assemblies and the hard disk drives are coupled to the chassis of the computing module.

No. of Pages : 30 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :24/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PYRAZOLOSPIROKETONE DERIVATIVES FOR USE AS ACETYL COA CARBOXYLASE **INHIBITORS**

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D471/10,C07D519/00,A61K31/438 :61/478240 :22/04/2011 :U.S.A. :PCT/IB2012/051732 :09/04/2012 :WO 2012/143813 to :NA :NA :NA :NA | (71)Name of Applicant : 1)PFIZER INC. Address of Applicant :235 East 42nd Street New York NY 10017 U.S.A. (72)Name of Inventor : 1)GRIFFITH David Andrew 2)DOW Robert Lee 3)SOUTHERS James Alfred Jr. 4)EDMONDS David James |
|---|---|---|
|---|---|---|

(57) Abstract :

The invention provides a compound of Formula (I) or a pharmaceutically acceptable salt thereof; wherein G is (II) or (III) R1, R2 and R3 are as described herein; pharmaceutical compositions thereof; and the use thereof in treating diseases, conditions or disorders modulated by the inhibition of an acetyl-CoA carboxylase enzyme(s) in an animal.

No. of Pages : 114 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :11/10/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :B23K20/12 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :NA | 1)MITSUBISHI HITACHI METALS MACHINERYINC. |
| (32) Priority Date | :NA | Address of Applicant :34 6 Shiba 5 chome Minato ku Tokyo |
| (33) Name of priority country | :NA | 1080014 Japan |
| (86) International Application No | :PCT/JP2011/060457 | (72)Name of Inventor : |
| Filing Date | :28/04/2011 | 1)KAGA Shinichi |
| (87) International Publication No | :WO 2012/147204 | 2)ONOSE Mitsuru |
| (61) Patent of Addition to Application | :NA | 3)TOMINAGA Noriaki |
| Number | :NA :NA | 4)SAITO Takehiko |
| Filing Date | .11/A | 5)YOSHIMURA Yasutsugu |
| (62) Divisional to Application Number | :NA | 6)HIRANO Satoshi |
| Filing Date | :NA | 7)PARK Seung Hwan |

(54) Title of the invention : FRICTION STIR WELDING METHOD AND DEVICE AND TOOL SET

(57) Abstract :

In order to perform friction stir welding with excellent economy and high weld strength and reliability a rotating tool (3) has a tool body (3a) having a shoulder face (3b) formed in the distal end portion thereof and a pin shaped projection (3d) formed so as to protrude from the shoulder face (3b) and a backing tool (4) has a tool body (4a) having a pressure maintaining face (4b) formed in the distal end portion thereof and a cavity (4d) for receiving a distal end part of the projection (3d). The rotating tool (3) and the backing tool (4) are arranged opposite each other on the front side and back side of a weld zone (J) of a metal plate. The rotating tool (3) is moved toward the backing tool (4) while the backing tool (4) is held and the rotating tool is rotated the distal end of the projection (3d) of the rotating tool is inserted into the cavity (4d) of the backing tool so that the weld zone is interposed and the shoulder face (3b) of the rotating tool is pressed against the front side of the weld zone. In this state the rotating tool (3) and the backing tool (4) are moved along the weld zone and the entire area of the weld zone in the plate thickness direction is friction stirred by the rotating tool (3).

No. of Pages : 149 No. of Claims : 10

(22) Date of filing of Application :10/10/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : LISTERIA BASED ADJUVANTS | | |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K39/02 :61/451651 :11/03/2011 :U.S.A. | (71)Name of Applicant : 1)ADVAXIS Address of Applicant :305 College Road East Princeton NJ (08540 U.S.A. (72)Name of Inventor : 1)ROTHMAN John |

(57) Abstract :

This invention provides methods and compositions for using Listeria monocytogenes as an adjuvant for enhancing immune responses in a subject.

No. of Pages : 126 No. of Claims : 58

(19) INDIA

(22) Date of filing of Application :10/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND PRODUCT FOR LOCALISED OR SPATIAL DETECTION OF NUCLEIC ACID IN A TISSUE SAMPLE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :1106254.4 :13/04/2011 :U.K. | (71)Name of Applicant : 1)SPATIAL TRANSCRIPTOMICS AB Address of Applicant :Bragevagen 5 114 26 Stockholm Sweden (72)Name of Inventor : 1)FRISEN Jonas 2)STÃHL Patrik 3)LUNDEBERG Joakim |
|--|------------------------------------|---|
|--|------------------------------------|---|

(57) Abstract :

The present invention relates to methods and products for the localised or spatial detection of nucleic acid in a tissue sample and in particular to a method for localised detection of nucleic acid in a tissue sample comprising: (a) providing an array comprising a substrate on which multiple species of capture probes are directly or indirectly immobilized such that each species occupies a distinct position on the array and is oriented to have a free 3 end to enable said probe to function as a primer for a primer extension or ligation reaction wherein each species of said capture probe comprises a nucleic acid molecule with 5 to 3 : (i) a positional domain that corresponds to the position of the capture probe on the array and (ii) a capture domain; (b) contacting said array with a tissue sample such that the position of a capture probe on the array may be correlated with a position in the tissue sample and allowing nucleic acid of the tissue sample to hybridise to the capture domain in said capture probes; (c) generating DNA molecules from the captured nucleic acid molecules using said capture probes as extension or ligation primers wherein said extended or ligated DNA molecules are tagged by virtue of the positional domain; (d) optionally generating a complementary strand of said tagged DNA and/or optionally amplifying said tagged DNA; (e) releasing at least part of the tagged DNA molecules and/or their complements or amplicons from the surface of the array wherein said part includes the positional domain or a complement thereof; and (f) directly or indirectly analysing the sequence of the released DNA molecules.

No. of Pages : 177 No. of Claims : 43

(19) INDIA

(22) Date of filing of Application :17/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : RUNNER FOR A HYDRAULIC MACHINE HYDRAULIC MACHINE PROVIDED WITH SUCH A RUNNER AND POWER CONVERSION EQUIPMENT INCLUDING SUCH A HYDRAULIC MACHINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :1153428 :20/04/2011 :France | (71)Name of Applicant : 1)ALSTOM RENEWABLE TECHNOLOGIES Address of Applicant :82 avenue Léon Blum F 38100 Grenoble France (72)Name of Inventor : 1)LAVIGNE Sylvain 2)HOUDELINE Jean Bernard 3)BERAL Claude |
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(57) Abstract :

The invention relates to a Francis runner (200) for a hydraulic machine comprising: a wheel (1) which is rotationally symmetrical about an axis of rotation (Z) of the runner (200); a crown (12); and a plurality of inwardly curved vanes (21) each of which has a peripheral edge (212). The peripheral edge (212) of at least one of the vanes is curved the concavity thereof facing toward the outside of the runner (200). The maximum value of the distance measured between any point on the peripheral edge (202) and a straight line passing through a first connection point between the peripheral edge (212) and the wheel (1) and through a second connection point between the peripheral edge (212) and the crown (12) is at an intermediate point on the peripheral edge (212). The radius (Rn) from the intermediate point (N) is strictly smaller than the radius (Rc) from the second connection point (C).

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :17/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING DISEASES CONDITIONS OR PROCESSES CHARACTERIZED BY ABERRANT FIBROBLAST PROLIFERATION AND EXTRACELLULAR MATRIX DEPOSITION

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| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K38/17,A61K38/39,A61K39/395 :61/474370 :12/04/2011 :U.S.A. :PCT/US2012/033368 :12/04/2012 :WO 2012/142320 :NA :NA :NA | (71)Name of Applicant : 1)MOERAE MATRIX INC. Address of Applicant :31 River Road Highland Park NJ 08904 U.S.A. 2)LANDER Cynthia 3)BROPHY Colleen (72)Name of Inventor : 1)MOERAE MATRIX INC. 2)LANDER Cynthia 3)BROPHY Colleen |
|--|--|---|
|--|--|---|

(57) Abstract :

The described invention provides compositions and methods for preventing or treating a disease, condition, or pathologic process characterized by aberrant fibroblast proliferation and extracellular matrix deposition in a tissue of a subject. The method includes administering a therapeutic amount of a pharmaceutical composition comprising a polypeptide having the amino acid sequence YARAAARQARAKALARQLGVAA (SEQ ID NO: 1) or functional equivalent thereof, and a pharmaceutically acceptable carrier.

No. of Pages : 221 No. of Claims : 114

(19) INDIA

(22) Date of filing of Application :24/09/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :C01G53/06 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/467683 | 1)VALE S/A |
| (32) Priority Date | :25/03/2011 | Address of Applicant : Avenida Graça Aranha 36 Centro Rio |
| (33) Name of priority country | :U.S.A. | de Janeiro RJ 2003 000 Brazil |
| (86) International Application No | :PCT/BR2012/000091 | (72)Name of Inventor : |
| Filing Date | :26/03/2012 | 1)BERNI Tiago Valentim |
| (87) International Publication No | :WO 2012/129628 | 2)PEREIRA Antonio Clareti |
| (61) Patent of Addition to Application Number | :NA | 3)GUIMARÃ <i>f</i> ES Felipe Hilario |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : PROCESS FOR PRODUCTION OF NICKEL CARBONATE"

(57) Abstract :

The present invention refers to a process for production of nickel carbonate comprising the following steps: a) Preparing a magnesium salt solution; b) Contacting said solution with a stream of gaseous CO2, keeping pH between 4 and 10 and temperature between 0 and $100\hat{A}^{\circ}$ C, during up to 5 hours; c) Contacting the mixture of step b) with a nickel sulphate solution, producing a mixture; d) Performing a separation of liquid and solid portions of said mixture; e) Feeding step a) with said liquid portion. This process recycles the reagent used for producing nickel carbonate and yields a final product that is easy to handle and transport.

No. of Pages : 7 No. of Claims : 5

(22) Date of filing of Application :27/10/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :F04B19/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1205459.9 | 1)VICENTRA B.V. |
| (32) Priority Date | :28/03/2012 | Address of Applicant :Kanaalweg 17b2 NL 3526 KL Utrech |
| (33) Name of priority country | :U.K. | Netherlands |
| (86) International Application No | :PCT/NL2013/050227 | (72)Name of Inventor : |
| Filing Date | :27/03/2013 | 1)CEFAI Joseph John |
| (87) International Publication No | :WO 2013/147602 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | ** ** | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : MECHANICAL DRIVER

(57) Abstract :

A mechanical driver comprising a wedge shaped member operatively coupled to a shape memory alloy such that the shape memory alloy is able to displace the wedge shaped member in an essentially linear direction. The wedge shaped member is in constant contact with a lever arranged so that it can rotate about a fixed pivot point. A piston is arranged such that it is constant contact with the lever at a point between the pivot point of the lever and the contact point between the lever and the wedge shaped member. Return springs are provided to return the piston lever and wedge shaped member to their respective start positions. Activation of the shape memory alloy displaces the wedge shaped member along its linear direction and this causes the lever to be deflected about its pivot point and the piston to be deflected in an essentially linear direction that is perpendicular to the linear direction of travel of the wedge shaped member.

No. of Pages : 43 No. of Claims : 49

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PHOTOVOLTAIC PANEL PERGOLA WITH SLIDING MODULES

| (51) International classification:E06B3/42,H01L31/042,E04I(31) Priority Document No (32) Priority Date:20110100405(32) Priority Date (33) Name of priority country:08/07/2011(33) Name of priority country:Greece(86) International Application No Filing Date:PCT/GR2012/000026 :28/06/2012(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2013/008043(62) Divisional to Application Number Filing Date:NA :NA(62) Divisional to Filing Date:NA :NA | D13/035 (71)Name of Applicant : 1)PAPANAKLIS Andreas Chryssanthos Address of Applicant :3B lonias Str. GR 153 51 Pallini Attikis Greece 2)LACHANAS Sotirios (72)Name of Inventor : 1)PAPANAKLIS Andreas Chryssanthos 2)LACHANAS Sotirios |
|--|---|
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(57) Abstract :

This invention refers to a retractable pergola used for housing of domestic commercial or industrial external sites. The pergola system consists of a fixed module (27) an outermost sliding module (24) and a number of intermediate sliding modules (23). The system is supported by special support carriers (43 44) which also accommodate the electric motion system (28 49 50 53 54). All modules (23 24 27) are capable of hosting photovoltaic panels thus offering the benefit of electricity production. The electric motion system is driven by an automation control system which incorporates light and wind sensors so that the extension / tuck of the modules is performed automatically making the user s presence unnecessary. Finally the proposed solution seems ideal for domestic use in countries with high sunshine periods.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PRODUCTION OF ISOPRENE ISOPRENOID PRECURSORS AND ISOPRENOIDS USING ACETOACETYL COA SYNTHASE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :61/515300 :04/08/2011 :U.S.A. :PCT/US2012/049659 :03/08/2012 | (71)Name of Applicant : DANISCO US INC. Address of Applicant :925 Page Mill Road Palo Alto CA 94304 U.S.A. THE GOODYEAR TIRE & RUBBER COMPANY (72)Name of Inventor : ALDOR Ilana S. BECK Zachary Q. MILLER Michael C. PERES Caroline M. |
|--|---|--|
|--|---|--|

(57) Abstract :

This invention relates to a recombinant microorganism capable of producing isoprene and isoprene production with the use of such recombinant microorganism with good efficiency. In this invention the acetoacetyl CoA synthase gene encoding an enzyme capable of synthesizing acetoacetyl CoA from malonyl CoA and acetyl CoA and one or more genes involved in isoprene biosynthesis that enables synthesis of isoprene from acetoacetyl CoA are introduced into a host microorganism.

No. of Pages : 128 No. of Claims : 78

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : APPARATUS AND METHOD FOR CLEANING PHOTOVOLTAIC DEVICES (51) International classification :H01L21/67,B04B1/04 (71)Name of Applicant : (31) Priority Document No 1)KING ABDULLAH UNIVERSITY OF SCIENCE AND :61/515177 (32) Priority Date :04/08/2011 TECHNOLOGY (33) Name of priority country Address of Applicant :4700 King Abdullah University Of :U.S.A. (86) International Application No Science and Technology Thuwal 23955 6900 Saudi Arabia :PCT/IB2012/002124 (72)Name of Inventor: Filing Date :06/08/2012 (87) International Publication No :WO 2013/017960 **1)EITELHUBER Georg** (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Embodiments of solar panel cleaning apparatuses solar panel cleaning systems and solar panel cleaning methods are disclosed. In certain embodiments the disclosed solar panel cleaning apparatuses systems and methods do may not require any water or other cleaning liquids in the whole cleaning process which makes them prominent well suited in for water deficit environments such as deserts. In one embodiment the solar panel cleaning apparatus comprises one or more rotatable brushes each having a rotational axis and a drive configured to move each of the one or more rotatable brushes in a direction that is not perpendicular to the rotational axis. The solar panel cleaning apparatus is may be configured such that the angle of the rotational axis of at least one of the one or more rotatable brushes is adjustable relative to the direction of travel.

No. of Pages : 44 No. of Claims : 33

(21) Application No.8786/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/10/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESSES FOR RECOVERING RARE EARTH ELEMENTS AND RARE METALS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date |) :PCT/CA2013/000226 :13/03/2013 | (71)Name of Applicant : 1)ORBITE ALUMINAE INC. Address of Applicant :6505 route Transcanadienne Bureau 610 St Laurent Québec H4T 1S3 Canada (72)Name of Inventor : 1)BOUDREAULT Richard 2)PRIMEAU Denis 3)KRIVANEC Heinz 4)DITTRICH Carsten 5)LABRECQUE GILBERT Marie Maxime |
|--|-------------------------------------|--|
|--|-------------------------------------|--|

(57) Abstract :

There are provided processes for recovering at least one rare earth element. Such processes comprise obtaining an acidic composition comprisin and optionally at least one rare metal; and reacting the composition with a precipitating agent so as to substantially selectively precipitate a first first rare metal. For example various rare earth elements (such as

scandium yttrium lanthanum cerium praseodymium neodymium promethium samarium europium gadolinium terbium dysprosium holmium erb and various rare metals (such as indium zirconium lithium gallium etc.) can be extracted by using such processes.

No. of Pages : 167 No. of Claims : 306

(19) INDIA

(22) Date of filing of Application :23/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : MODIFIED MATRIX PROTEINS OF VESICULAR STOMATITIS VIRUS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :26/06/2013 :U.S.A. :PCT/CA2014/050614 :26/06/2014 :WO 2014/205579 :NA :NA :NA | (71)Name of Applicant : 1)THE UNIVERSITY OF WESTERN ONTARIO Address of Applicant :100 Collip Circle Suite 105 London Ontario N6G 4X8 Canada (72)Name of Inventor : 1)KANG Chil Yong 2)KIM Gyoung Nyoun |
|---|---|--|
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to vesicular stomatitis virus (VSV) matrix (M) protein mutants. One mutant M protein includes a glycine changed to a glutamic acid at position (21), a leucine changed to alanine at position (111) and a methionine changed to an arginine at position (5 1). Another M protein mutant includes a glycine changed to a glutamic acid at position (22) and a methionine changed to an arginine at position (48) and (5 1). These new rVSVs having the mutant M are significantly attenuated and lost virulence, including neurovirulence, and are capable of inducing an immune responses against an antigen of interest. In addition, a rVSV serotype Indiana having the first described M mutant is capable of efficient replication at $31\hat{A}^{\circ}C$, and of poor replication or incapable of replication at about $37\hat{A}^{\circ}C$ or higher.

No. of Pages : 113 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMPLANTABLE FASTENER CARTRIDGE COMPRISING A SUPPORT RETAINER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :A61B17/00,A61B19/00,A61B17/072 :12/894369 :30/09/2010 :U.S.A. :PCT/US2011/053076 :23/09/2011 :WO 2012/044551 :NA :NA | (71)Name of Applicant : 1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor : SHELTON IV Frederick E. |
|--|---|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

A fastener cartridge can comprise a compressible collapsible and/or crushable cartridge body and fasteners embedded within the cartridge body which can be utilized to fasten tissue. In use the fastener cartridge can be positioned in a first jaw of a surgical fastening device wherein the first jaw can be positioned opposite a second jaw or anvil. The anvil can be engaged with the fastener cartridge to compress collapse and/or crush the cartridge body and deform or otherwise deploy the fasteners contained therein. As the fasteners are deformed or deployed the fasteners can capture at least a portion of the cartridge body therein along with at least a portion of the tissue being fastened. The staple cartridge can further comprise a support retainer. The support retainer can be detachably connected to the cartridge body such that the cartridge body can be implanted and the support retainer can remain with the first jaw.

No. of Pages : 317 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :23/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITIONS AND METHODS COMPRISING SERINE PROTEASE VARIANTS

(57) Abstract :

The present invention provides serine protease variants more specifically subtilisin variants produced there from. Specifically the present invention provides serine protease variants more specifically subtilisin variants having one or more substitutions as compared to a reference serine protease. In addition the present invention provides compositions comprising these serine protease variants more specifically subtilisin variants. In some embodiments the present invention provides cleaning compositions comprising at least one of these serine protease variants more specifically subtilisin variants.

No. of Pages : 439 No. of Claims : 52

(22) Date of filing of Application :10/10/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : MULTI DOPED LUTETIUM BASED OXYORTHOSILICATE SCINTILLATORS HAVING IMPROVED PHOTONIC PROPERTIES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | ¹ :PCT/CA2013/000349 :12/04/2013 | 1)ZECOTEK PHOTONICS INC. Address of Applicant :Unit 1120 21331 Gordon Way Richmond British Columbia V6W 1J9 Canada (72)Name of Inventor : 1)ZAGUMENNYI Alexander Iosifovich 2)ZAVARTEV Yuri Dmitrivech 3)KUTOVOI Sergei Alexandrovich 4)KOZLOV Valentin Alekseevich |
|--|--|--|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | 5)ZERROUK Faouzi Abdelmounaime 6)ZAVERTYAEV Mikhail Vasilevich |

(57) Abstract :

The present invention relates to a set of multi doped cerium activated scintillation materials of the solid solutions on the basis of the rare earth silicate comprising lutetium and having compositions represented by the chemical formulas: (LuACeSi)MeJO and (LuACeSi)MeJO. The invention is useful for detection of elementary particles and nuclei in high energy physics nuclear industry; medicine Positron Emission Tomography (TOF PET and DOI PET scanners) and Single Photon Emission Computed Tomography (SPECT) Positron Emission Tomography with Magnetic Resonance imaging (PET/MR); X ray computer fluorography; non destructive testing of solid state structure including airport security systems the Gamma ray systems for the inspection of trucks and cargo containers.

No. of Pages : 67 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :27/09/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :C07K14/435 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/453492 | 1)AMGEN INC. |
| (32) Priority Date | :16/03/2011 | Address of Applicant : One Amgen Center Drive M/S 28 2 C |
| (33) Name of priority country | :U.S.A. | Thousand Oaks California 91320 1799 U.S.A. |
| (86) International Application No | :PCT/US2012/029537 | (72)Name of Inventor : |
| Filing Date | :16/03/2012 | 1)MURRAY Justin K. |
| (87) International Publication No | :WO 2012/125973 | 2)MIRANDA Leslie P. |
| (61) Patent of Addition to Application Number | :NA | 3)MCDONOUGH Stefan I. |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(54) Title of the invention : POTENT AND SELECTIVE INHIBITORS OF NAV1.3 AND NAV1.7

(57) Abstract :

Disclosed is a composition of matter comprising an isolated polypeptide which is a peripherally restricted Nav1.7 inhibitor. In some disclosed embodiments the isolated polypeptide is an inhibitor of Nav1.7 and/or Nav1.3. Other embodiments are conjugated embodiments of the inventive composition of matter and pharmaceutical compositions containing the inventive composition of matter. Isolated nucleic acids encoding some embodiments of inventive polypeptides and expression vectors and recombinant host cells containing them are disclosed. A method of treating or preventing pain is also disclosed.

No. of Pages : 582 No. of Claims : 72

(19) INDIA

(22) Date of filing of Application :27/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHANESULFONATE SALTS OF ABIRATERONE-3-ESTERS AND RECOVERY OF SALTS OF ABIRATER ONE-3-ESTERS FROM SOLUTION IN METHYL TERT-BUTYL ETHER

| Filing Date:23/08/20051)HUNT, NEIL, JOHN(87) International Publication No:WO 2006/0217761)HUNT, NEIL, JOHN(61) Patent of Addition to Application:NA:NANumber:NA:NAFiling Date:1307/DELNP/2007(62) Divisional to Application Number:1307/DELNP/2007Filed on:23/08/2005 | Patent of Addition to Application per :NA Filing Date :NA Divisional to Application Number :1307/DELNP/2007 |
|---|--|
|---|--|

(57) Abstract :

A salt of a compound of formula (1) may be made with methanesulfonic acid. The salt and salts with other acids may be prepared by recovering from methyl rert-butyl ether (MTBE).

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

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : 5-FLUORO-4-IMINO-3-(SUBSTITUTED)-3,4-DIHYDROPYRIMIDIN-2-(1H)-ONE DERIVATIVES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :A01N43/54,A61K31/505 :61/524506 :17/08/2011 :U.S.A. :PCT/US2012/050930 :15/08/2012 :WO 2013/025795 | 1)DOW AGROSCIENCES LLC Address of Applicant :9330 Zionsville Road Indianapolis IN 46268 U.S.A. (72)Name of Inventor : BOEBEL Timothy A. LORSBACH Beth |
|---|---|---|
| 6 | | |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | 5)WEBSTER Jeffery D. 6)YAO Chenglin 7)GALLIFORD Chris V. |

(57) Abstract :

This present disclosure is related to the field of 5 fluoro 4 imino 3 (substituted) 3 4 dihydropyrimidin 2(1)ones and their derivatives and to the use of these compounds as fungicides.

No. of Pages : 29 No. of Claims : 4

(22) Date of filing of Application :06/10/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : MUTANT LYSENIN | N PORES |
|---|--|
| (51) International classification:C07K(31) Priority Document No:61/62:(32) Priority Date:10/04,(33) Name of priority country:U.S.A(86) International Application No:PCT/0Filing Date:15/03, | C14/435,C12Q1/00(71)Name of Applicant :(21741)OXFORD NANOPORE TECHNOLOGIES LIMITED/2012Address of Applicant :Edmund Cartwright House 4 RobertA.Robinson Avenue Oxford Science Park Oxford Oxfordshire OX4GB2013/0506674GA U.K. |

(57) Abstract :

The invention relates to mutant forms of lysenin. The invention also relates to analyte characterisation using lysenin.

No. of Pages : 111 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :27/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NUTRITIONAL COMPOSITIONS HAVING REDUCED SODIUM CONTENT AND METHODS FOR MAKING SAME

| (51) International classification | n:A23L1/237,A23L1/29,A23L1/304 | (71)Name of Applicant : |
|-----------------------------------|--------------------------------|---|
| (31) Priority Document No | :61/469060 | 1)NESTEC S.A. |
| (32) Priority Date | :29/03/2011 | Address of Applicant : Avenue Nestle 55 CH 1800 Vevey |
| (33) Name of priority country | :U.S.A. | Switzerland |
| (86) International Application | :PCT/US2012/030582 | (72)Name of Inventor : |
| No | :26/03/2012 | 1)KOENIG Elizabeth Ann Clubbs |
| Filing Date | .20/03/2012 | 2)WEGNER Jill Dean |
| (87) International Publication | :WO 2012/135126 | 3)BARNES Karen Wink |
| No | | |
| (61) Patent of Addition to | :NA | |
| Application Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application | :NA | |
| Number | :NA | |
| Filing Date | | |

(57) Abstract :

Nutritional compositions with targeted sodium levels for young children (e.g. ages 1 4 years) are provided. In a general embodiment the present disclosure provides nutritional compositions having a targeted level of sodium made from wholesome foods that provide macronutrients and micronutrients needed in a child s daily diet and are developmentally appropriate for this age group. The sodium levels of the nutritional compositions may be less than or equal to about 200 mg per 100 g nutritional composition. Methods of making nutritional compositions with targeted sodium levels while also achieving acceptable product flavors at both pilot and factory levels are also provided. The batching methods may include adding a slurry of ice cold water and KC1 to a batched product after an initial cooling step and before packaging.

No. of Pages : 55 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :09/10/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTIBACTERIAL COMPOUNDS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D417/14,C07D417/02,A61K31/429 :61/614044 :22/03/2012 :U.S.A. :PCT/AU2013/000286 :21/03/2013 :WO 2013/138860 ^{:0} :NA :NA :NA | (71)Name of Applicant : 1)BIOTA EUROPE LIMITED Address of Applicant :Begbroke Business & Science Park Sandy Lane Yarnton Oxfordshire OX5 1PF U.K. (72)Name of Inventor : 1)LUNNISS Christopher James |
|---|--|--|
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(57) Abstract :

The present invention provides a compound of the following

formula salts racemates diastereomers enantiomers esters carbamates phosphates sulfates deuterated forms and prodrugs thereof. Also provided is the use of these compounds as antibacterials compositons comprising them and processes for their mancfacture.

No. of Pages : 177 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :20/10/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : MOTORIZED | EXOSKELETON UNIT | |
|--|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :B25J9/00,A61H1/00 :13/426071 :21/03/2012 :U.S.A. :PCT/IL2013/050220 :10/03/2013 :WO 2013/140390 :NA | (71)Name of Applicant : 1)REWALK ROBOTICS LTD. Address of Applicant :Kochav Yokneam Building Floor 6 P.O.B 161 2069203 Yokneam Illit Israel (72)Name of Inventor : 1)GOFFER Amit 2)TAMARI Oren |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

A motorized exoskeleton device for facilitating locomotion for a user the device including a torso base for affixing to the torso of the user a pair of limb members configured to be coupled to a lower extremity of the user. Each limb member includes a first support segment and a second support segment where the first support segment is superior to the second support segment two motorized joints one of the motorized joints connecting the first support segment to the second support segment and an other motorized joint connecting the first support segment to the torso base and two motors configured to move the motorized joints wherein the motors are coupled to the superior support segment.

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

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMPROVEMENT OF INTESTINAL BARRIER INTEGRITY (51) International classification (71)Name of Applicant : :C12N (31) Priority Document No :PCT/NL2004/000444 1)N.V. NUTRICIA (32) Priority Date Address of Applicant : Eerste Stationsstraat 186, NL-2712 HM :22/06/2004 (33) Name of priority country :PCT Zoetermeer. The Netherlands Netherlands :PCT/NL2004/000444 (72)Name of Inventor : (86) International Application No Filing Date 1)VAN TOL Eric Alexander Franciscus :22/06/2004 (87) International Publication No :WO/2005/122790 2)WILLEMSEN Linette Eustachia Maria 3)KOETSIER Marleen Antoinette (61) Patent of Addition to Application :NA Number **4)BEERMANN Christopher** :NA Filing Date **5)STAHL Bernd** (62) Divisional to Application Number :7747/DELNP/2006 Filed on :22/06/2004

(57) Abstract :

The invention concerns a method for stimulating barrier integrity in a mammal by admiinistering to a mammal a composition comprising: eicosapentaenoic acid (EPA), docosahexaenoic acid (DHA) and arachidonic acid (ARA), and a t least two distinct oligosaccharides.

No. of Pages : 28 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :31/10/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTIBODIES CAPABLE OF BINDING TO THE COAGULATION FACTOR XI AND/OR ITS ACTIVATED FORM FACTOR XIA AND USES THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07K16/36 :12167438.6 :10/05/2012 :EPO :PCT/EP2013/059618 :08/05/2013 :WO 2013/167669 :NA :NA :NA :NA | (71)Name of Applicant : 1)BAYER PHARMA AKTIENGESELLSCHAFT Address of Applicant :Müllerstrasse 178 13353 Berlin Germany (72)Name of Inventor : 1)WILMEN Andreas 2)STRAßBURGER Julia 3)DITTMER Frank 4)STRERATH Michael 5)BUCHMÜLLER Anja 6)GRUDZINSKA GOEBEL Joanna 7)FINNERN Ricarda 8)SCHÃ,,FER Martina 9)GERDES Christoph 10)JÃ-RIßEN Hannah 11)ITAKURA Asako 12)Y. LEUNG Philberta 13)TUCKER Erik |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention relates to antibodies capable of binding to the coagulation Factor XI and/or its activated form factor XIa and methods of use thereof particularly methods of use as agents inhibiting platelet aggregation and by this inhibits thrombus formation.

No. of Pages : 135 No. of Claims : 14

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : AN ANTOBODY FRAGMENT

| (51) International classification | :C12N 15/13 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :60/664,954 | 1)NATIONAL RESEARCH COUNCIL OF CANADA |
| (32) Priority Date | :25/03/2005 | Address of Applicant :1200 MONTREAL ROAD, M-58, EG- |
| (33) Name of priority country | :U.S.A. | 06B, OTTAWA, ONTARIO K1A 0R6, CANADA Canada |
| (86) International Application No | :PCT/CA2006/000451 | (72)Name of Inventor : |
| Filing Date | :24/03/2006 | 1)TANHA, JAMSHID |
| (87) International Publication No | :WO 2006/099747 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1171 | |
| (62) Divisional to Application Number | :7345/DELNP/2007 | |
| Filed on | :24/09/2007 | |

(57) Abstract :

Polypeptides with desirable biophysical properties such as solubility, stability, high expression, monomericity, binding specificity or non-aggregation, including monomeric human VHs and VLs, are identified using a high throughput method for screening polypeptides, comprising the steps of obtaining a phage display library, allowing infection of a bacterial lawn by the library phage, and identifying phage which form larger than average plaques on the bacterial lawn. Sequences of monomeric human VHs and VLs are identified, which may be useful for immunotherapy or as diagnostic agents. Multimer complexes of human VHs and VLs are also identified. The VHs and VLs identified may be used to create further libraries for identifying additional polypeptides. Further, The VHs and VLs may be subjected to DNA shuffling to select for improved biophysical properties.

No. of Pages : 83 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR POWER GENERATION USING A HYBRID GEOTHERMAL POWER PLANT INCLUDING A NUCLEAR PLANT

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :F03G4/00,F24J3/08,F01K23/02 :2011902916 :15/07/2011 :Australia | (71)Name of Applicant : 1)HINE Garry Address of Applicant :123 George Street West Burleigh Heads Queensland 4220 Australia |
|--|--|---|
| (86) International Application No Filing Date |):PCT/AU2012/000850 :13/07/2012 | (72)Name of Inventor : 1)HINE Garry |
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A hybrid geothermal power system is discussed. The system includes a geothermal system including power plant (101) and pumping station (102) and a nuclear plant (103). Pumping station (102) is used to inject fluid from reservoir (104) through an injection well (105) into the bedrock (106) (also referred to as the hot dry rock HDR zone) and extracted via a secondary bore (extraction well) usually coupled to the power plant (101). In the present example however the injection well is linked to the extraction well (107). As fluid is injected into the bedrock a drop in temperature occurs due to heat transfer to the fluid. Nuclear plant (103) is utilised to combat this drop the plant (103) has the fissionable components (109 109 109) of the reactor positioned within bores (108 108 108) within the HDR zone.

No. of Pages : 18 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :27/10/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : LENTIVIRAL VECTOR PARTICLES HAVING IMPROVED TRANSDUCTION EFFICIENCY FOR CELLS EXPRESSING DC SIGN

| country10.0.1 M(86) International Application No Filing Date:PCT/US2013/034640 :29/03/20131)NICOLAI Christopher Jame 2)TAREEN Semih U.(87) International Publication No:WO 2013/1491672)TAREEN Semih U.(61) Patent of Addition to Filing Date:NA :NA:NA :NA(62) Divisional to Filing Date:NA :NA:NA :NAApplication Number Filing Date:NA :NA:NA :NA | ames |
|---|------|
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(57) Abstract :

Materials and methods useful for generating highly mannosylated pseudotyped lentiviral vector particles comprising a Vpx protein are provided.

No. of Pages : 161 No. of Claims : 63

(19) INDIA

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPRAY NOZZLE AND SECONDARY COOLING METHOD FOR CONTINUOUS CASTING

Т

| (51) International classificatio (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/JP2013/074591 :11/09/2013 :WO 2015/037093 :NA :NA | (71)Name of Applicant : NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor : DOKI Masahiro NIIZUMA Mineo YAMASAKI Norimasa SHIMA Shozo OKUMURA Yasushi OOTANI Yasuhiko MORIOKA Kohsuke CHIMOTO Tsuyoshi EKIMOTO Takao OGINO Daijirou |
|---|--|---|
|---|--|---|

(57) Abstract :

Provided is secondary cooling method in which a coolant is sprayed in a fan shaped manner from a spray port of a spray nozzle towards a cast piece cast by a continuous casting device to cool said cast piece during continuous casting said secondary cooling method wherein the central axis of a spray direction of the spray nozzle is slanted with respect to a central axis of the spray nozzle.

No. of Pages : 77 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :09/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : LOW GWP HEAT TRANSFER COMPOSITIONS CONTAINING DIFLUOROMETHANE A FLUORINATED ETHANE AND 1 3 3 TETRAFLUOROPROPENE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C09K5/04 :61/507186 :13/07/2011 :U.S.A. :PCT/US2012/044756 :29/06/2012 :WO 2013/009488 :NA :NA :NA :NA | (71)Name of Applicant : HONEYWELL INTERNATIONAL INC. Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P.O. Box 2245 Morristown New Jersey 07962 2245 U.S.A. (72)Name of Inventor : MOTTA Samuel F. Yana SPATZ Mark W. 3)SEETON Christopher J. |
|---|---|--|
|---|---|--|

(57) Abstract :

Heat transfer compositions methods and use wherein the composition comprising: (a) from about 5 to about 20% by weight of HFC 32; (b) from about 70% to about 90% by weight of HFO 1234ze; and (c) from about 5% to less than about 20% by weight of HFC 152a and/or HFC 134a.

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

(19) INDIA

(22) Date of filing of Application :13/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SURFACTANT RESPONSIVE EMULSION POLYMERIZED MICRO GELS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :C09K8/035,C09K8/60,C09K8/68 :61/533887 :13/09/2011 :U.S.A. :PCT/US2012/055105 :13/09/2012 :WO 2013/040174 :NA :NA | (71)Name of Applicant : 1)LUBRIZOL ADVANCED MATERIALS INC. Address of Applicant :9911 Brecksville Road Cleveland Ohio 44141 3247 U.S.A. (72)Name of Inventor : 1)HSU Shui Jen Raymond 2)CHARI Krishnan 3)YANG Wei Yeih 4)BHARGAVA Prachur 5)KADIR Murat |
|---|--|---|
| | :NA :NA | |

(57) Abstract :

A stable aqueous composition containing a crosslinked nonionic amphiphilic polymer capable of forming a yield stress fluid in the presence of a surfactant is disclosed. The yield stress fluid is capable of suspending insoluble materials in the form of particulates and/or droplets requiring suspension or stabilization.

No. of Pages : 97 No. of Claims : 98

(21) Application No.1933/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SURFACTANT RESPONSIVE MICRO GELS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | h :C09K8/035,C09K8/60,C09K8/68 :61/533884 :13/09/2011 :U.S.A. :PCT/US2012/055094 :13/09/2012 :WO 2013/040167 :NA :NA :NA | (71)Name of Applicant : 1)LUBRIZOL ADVANCED MATERIALS INC. Address of Applicant :9911 Brecksville Road Cleveland Ohio 44141 3247 U.S.A. (72)Name of Inventor : 1)CHARI Krishnan 2)HSU Shui Jen Raymond 3)YANG Wei Yeih 4)BHARGAVA Prachur 5)KADIR Murat |
|--|---|---|
|--|---|---|

(57) Abstract :

A stable aqueous composition containing a crosslinked nonionic amphiphilic polymer capable of forming a yield stress fluid in the presence of a surfactant is disclosed. The yield stress fluid is capable of suspending insoluble materials in the form of particulates and/or droplets requiring suspension or stabilization.

No. of Pages : 107 No. of Claims : 110

(12) PATENT APPLICATION PUBLICATION (21) Application No.9865/DELNP/2014 A (19) INDIA (22) Date of filing of Application :20/11/2014 (43) Publication Date : 13/05/2016 (54) Title of the invention : HIGH EFFICIENCY POWER GENERATION APPARATUS REFRIGERATION/HEAT PUMP APPARATUS AND METHOD AND SYSTEM THEREFOR (51) International classification :F01K7/22,F01K9/00,F01K25/06 (71) Name of Applicant : (31) Priority Document No 1)ATALLA Naii Amin :1208771.4 (32) Priority Date :17/05/2012 Address of Applicant :23 Altnagelvin Park, Waterside, (33) Name of priority country Londonderry ,BT47 2LU U.K. :U.K. (86) International Application (72)Name of Inventor: :PCT/EP2013/060264 No 1)ATALLA Naji Amin :17/05/2013 Filing Date (87) International Publication No:WO 2013/171333 (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA

(57) Abstract :

Filing Date

A system for recycling heat or energy of a working medium of a heat engine for producing mechanical work is described. The system may comprise a first heat exchanger (204) for transferring heat from a working medium output from an energy extraction device (202) to a heating agent to vaporise the heating agent; a second heat exchanger (240) for transferring further heat to the vaporised heating agent; a compressor (231) coupled to the second heat exchanger (240) arranged to compress the further heated heating agent; and a third heat exchanger (211) for transferring heat from the compressed heating agent to the working medium. A heat pump is also described.

No. of Pages : 118 No. of Claims : 44

(19) INDIA

(22) Date of filing of Application :20/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : OPHTHALMIC VISCOELASTIC DEVICE

| | | (71)Name of Applicant : 1)CARL ZEISS MEDITEC AG |
|--|---------------------|--|
| (51) International classification | :A61L26/00.A61K9/00 | ~ |
| (31) Priority Document No | :1208625.2 | Germany |
| · · · · · | :10/05/2012 | |
| (32) Priority Date | | (72)Name of Inventor : |
| (33) Name of priority country | :U.K. | 1)WOLFSTEIN, André |
| (86) International Application No | :PCT/EP2013/059546 | 2)RODDEN, Gillian |
| Filing Date | :08/05/2013 | 3)NACHBAUR ,Jürgen |
| (87) International Publication No | :WO 2013/167632 | 4)DE MOISSONNIER, Claude |
| (61) Patent of Addition to Application | :NA | 5)BERNARD ,Pascal |
| Number | :NA | 6)LOREC ,Gildas |
| Filing Date | .11A | 7)BIELEFELDT ,Nicole |
| (62) Divisional to Application Number | :NA | 8)RATHERT, Brian |
| Filing Date | :NA | 9)NACHBAUR, Lidia |
| - | | 10)GERLACH, Mario |
| | | 11) RENNIE , Alistair |

(57) Abstract :

The invention relates to an ophthalmic viscoelastic device, comprising at least one viscoelastic polymer, wherein the at least one viscoelastic polymer is covalently bound to at least one phenolic compound. The invention also relates to a method for producing an ophthalmic viscoelastic device, in which at least one phenolic compound is covalently bound to at least one water -soluble, viscoelastic polymer.

No. of Pages : 60 No. of Claims : 15

(22) Date of filing of Application :04/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : APPARATUS AND METHODS FOR BONE REPAIR PREPARATION

| Filing Date :07/03/20 | 12Address of Applicant :10200 73rd Ave N. Eagle Lake Office011Suite #122 Maple Grove MN 55369 U.S.A.(72)Name of Inventor :1)KRINKE Todd A. |
|-----------------------|--|
|-----------------------|--|

(57) Abstract :

Apparatus and methods for preparing a fractured bone for repair. Preparing the bone may include fracture reduction. Preparing the bone may include holding a fracture in reduction. Preparing the bone may include identifying locations for obtaining access to an interior region of the bone. The apparatus may include structures outside the bone that interact with fragments of the bone. The structures may participate in the reduction. The structures may participate in holding the reduction. The structures may participate in holding the locations.

No. of Pages : 171 No. of Claims : 118

(19) INDIA

(22) Date of filing of Application :12/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SHEET MOLDING AND HEMOSTATIC MATERIAL

| (51) International classification (31) Priority Document No | :A61L24/00,A61K38/00,A61K38/48 :2012110392 | (71)Name of Applicant : 1)TEIJIN LIMITED Address of Applicant :6 7 Minamihommachi 1 chome Chuo ku Osaka shi OSAKA 5410054 Japan |
|---|---|--|
| (32) Priority Date | :14/05/2012 | 2)TEIJIN PHARMA LIMITED |
| (33) Name of prioritycountry(86) InternationalApplication No | :Japan :PCT/JP2013/063872 | 3)THE CHEMO SERO THERAPEUTIC RESEARCH INSTITUTE (72)Name of Inventor : 1)KAGEYAMA Yukako |
| Filing Date (87) International Publication No | :13/05/2013 ⁿ :WO 2013/172472 | 2)FUJINAGA Kentaro 3)YAMAGUCHI Ayuko |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 4)AKIYAMA Yusuke 5)OONO Akitoshi 6)HONDA Susumu 7)SATAKE Makoto |
| (62) Divisional to Application Number Filing Date | :NA :NA | 8)KANEKO Hiroaki 9)IMAMURA Takayuki 10)KAWAMURA Ryoichi 11)HIRASHIMA Masaki |

(57) Abstract :

Provided are the following: a sheet molding of a polymer composition that contains at least one type of protein substance selected from among the group consisting of fibrinogens and thrombins and at least one type of polymer selected from among the group consisting of aliphatic polyesters and water soluble polymers; and a laminated sheet molding containing a first polymer composition layer containing a fibrinogen and a water soluble polymer and a second polymer composition layer containing a thrombin and an aliphatic polyester. These sheet moldings are applied to wound sites and function as hemostatic materials.

No. of Pages : 71 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : OPTIMIZED | LIQUID-PHASE OXIDA | ATION |
|--|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :C07C 51/47 :60/606,856 :02/09/2004 :U.S.A. :PCT/US2005/030546 :29/08/2005 | (71)Name of Applicant : 1)GRUPO PETROTEMEX S.A. DE C.V. Address of Applicant :RICARDO MARGAIN NO. 444, TORRE SUR, PISO 16 COL VALLE DEL CAMPESTRE 66265 SAN PEDRO GARZA GARCIA, NUEVO LEON (81) 8748 1500, MEXICO Mexico |
| (87) International Publication No | :WO 2004/052820 | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on | :NA :NA :927/DELNP/2007 :05/02/2007 | 1)ALAN GEORGE WONDERS 2)ROBERT LIN 3)MARCEL DE VREEDE 4)LEE REYNOLDS PARTIN 5)WAYNE SCOTT STRASSER |

(57) Abstract :

Disclosed is an optimized process and apparatus for more efficiently and economically carrying out the liquid-phase oxidation of an oxidizable compound. Such liquid-phase oxidation is carried out in a bubble column reactor that provides for a highly efficient reaction at relatively low temperatures. When the oxidized compound is para-xylene and the product from the oxidation reaction is crude terephthalic acid (CTA), such CTA product can be purified and separated by more economical techniques than could be employed if the CTA were formed by a conventional high-temperature oxidation process.

No. of Pages : 202 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :29/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : REDUCED AREA CURRENT COLLECTORS FOR RECHARGEABLE BATTERIES

| (51) International classification | :H01M10/30,H01M4/64,H01M4/36 | (71)Name of Applicant : 1)RESEARCH FOUNDATION OF THE CITY |
|---|-----------------------------------|---|
| (31) Priority Document No | :61/504836 | UNIVERSITY OF NEW YORK |
| (32) Priority Date | :06/07/2011 | Address of Applicant :230 West 41st St. 7th Floor New York |
| (33) Name of priority country | :U.S.A. | New York 10036 U.S.A. |
| (86) International Application No Filing Date | :PCT/US2012/045586 :05/07/2012 | (72)Name of Inventor :1)ITO Yasumasa2)BANERJEE Sanjoy |
| (87) International Publication No | :WO 2013/006715 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | ':NA :NA | |

(57) Abstract :

A novel electrode current collector design that can improve performance and extend cycle life for rechargeable batteries based on metal electrodeposition is disclosed. The novel electrode current collector has a reduced effective surface area that can help to balance efficiencies between battery electrodes and to ensure non uniform electrodeposition of metal onto the anode current collector during charge. One result is mitigation of internal short circuits that can cause a battery to fail prematurely.

No. of Pages : 24 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :06/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : COSMETIC COMPOSITION CARRIER COMPRISING URETHANE FOAM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K8/87,A45D34/00 :1020120038628 :13/04/2012 :Republic of Korea :PCT/KR2013/003105 :12/04/2013 :WO 2013/154395 :NA :NA :NA :NA | (71)Name of Applicant : 1)AMOREPACIFIC CORPORATION Address of Applicant :181 2 ga Hangang ro Yongsan gu Seoul 140 777 Republic of Korea (72)Name of Inventor : 1)CHOI Jung Sun 2)KIM Kyung Nam 3)JUNG Ha Jin 4)CHOI Kyung Ho 5)CHOI Yeong Jin |
|---|--|--|
|---|--|--|

(57) Abstract :

Disclosed is a cosmetic composition carrier having a viscosity of 1,000 to 5,000 centipoise (cps) or 15,000 to 60,000 cps. The cosmetic composition carrier comprises a urethane foam having a hardness before impregnation of 1 to 100 on the Asker durometer type F.

No. of Pages : 16 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :29/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHODS AND DEVICES FOR DYNAMIC ALLOCATION OF IDENTIFIERS IN HYBRID CELL IDENTIFIER SCENARIOS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04W72/04 :NA :NA :NA :PCT/CN2011/073604 :03/05/2011 :WO 2012/149674 :NA :NA :NA :NA | (71)Name of Applicant : 1)NOKIA SIEMENS NETWORKS OY Address of Applicant :Karaportti 3 FI 02610 Espoo Finland (72)Name of Inventor : 1)LIU Jingxiu 2)MIAO Deshan 3)SKOV Peter 4)WANG Xiaoyi |
|---|---|---|
|---|---|---|

(57) Abstract :

The present invention proposes a method comprising : in a communication network area constituted by a plurality of transmission points configured for coordinated transmissions to at least one target each transmission point being identified by an individual identifier each transmission point being configured to transmit common reference signals on common channels and dedicated reference signals on dedicated channels to said at least one target device assigning the respective individual identifier of each transmission point to the common reference signals on the common channels of the respective transmission point and allocating to the dedicated reference signals on the dedicated channels of respective plural transmission points an identifier unrelated to the individual identifiers. Also corresponding devices are addressed.

No. of Pages : 25 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :29/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : INSECTICIDAL COMPOUNDS BASED ON ARYLTHIOACETAMIDE DERIVATIVES

| (51) Internationalclassification(31) Priority Document No. | | (71)Name of Applicant : 1)SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel |
|--|-----------------------------------|--|
| (32) Priority Date(33) Name of priority | :18/05/2011 :EPO | Switzerland (72)Name of Inventor : |
| country (86) International | | 1)CASSAYRE Jérôme Yves 2)EL QACEMI Myriem |
| Application No Filing Date | :PCT/EP2012/059014 :15/05/2012 | 3)LUKSCH Torsten 4)RENOLD Peter |
| (87) International Publication No | :WO 2012/156400 | |
| (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 provides compounds of formula (I) wherein R1, R2, R3, R4, G1, n, A1, A2, A3, A4, Y1, Y2, and Y3 are as defined in the claims. The invention also relates to processes and intermediates for preparing these compounds, to insecticidal, acaricidal, nematicidal and molluscicidal compositions comprising these compounds and to methods of using these compounds to control insect, acarine, nematode and mollusc pests.

No. of Pages : 253 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :19/07/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ENHANCED FERMENTATION OF CELLODEXTRINS AND ß D GLUCOSE

| (51) International classification | :C07K14/195,C07K14/37,C12N9/00 | (71)Name of Applicant : 1)THE BOARD OF TRUSTEES OF THE UNIVERSITY |
|-----------------------------------|--------------------------------|--|
| (31) Priority Document No | :61/435216 | OF ILLINOIS |
| (32) Priority Date | :21/01/2011 | Address of Applicant :352 Henry Administration Building 506 |
| (33) Name of priority country | y:U.S.A. | South Wright Street Urbana IL 61801 U.S.A. |
| (86) International | :PCT/US2012/022079 | 2)THE REGENTS OF THE UNIVERSITY OF |
| Application No | :20/01/2012 | CALIFORNIA |
| Filing Date | | (72)Name of Inventor : |
| (87) International Publication | ¹ .WO 2012/100106 | 1)DOUDNA CATE James H. |
| No | WO 2012/100196 | 2)BEESON William T. |
| (61) Patent of Addition to | :NA | 3)GALAZKA Jonathan M. |
| Application Number | :NA :NA | 4)ZHAO Huimin |
| Filing Date | INA | 5)LI Sijin |
| (62) Divisional to | :NA | 6)JIN Yong Su |
| Application Number | :NA :NA | 7)HA Suk Jin |
| Filing Date | INA | |

(57) Abstract :

The present disclosure provides compositions and methods for the fermentation of cellodextrins and ß D glucose. Host cells and recombinant polypeptides having glucose mutarotase activity are provided. Additionally methods for improving cell growth production of chemicals and consumption of cellodextrins and ß D glucose during fermentation of mixtures containing cellodextrins and ß D glucose are provided.

No. of Pages : 123 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 13/05/2016

(51) International classification :E02F3/43 (71)Name of Applicant : (31) Priority Document No 1)KOMATSU LTD. :2011066825 (32) Priority Date Address of Applicant :2 3 6 Akasaka Minato ku Tokyo :24/03/2011 (33) Name of priority country 1078414 Japan :Japan (86) International Application No :PCT/JP2012/052686 (72)Name of Inventor : Filing Date :07/02/2012 1)MATSUYAMA Toru (87) International Publication No :WO 2012/127913 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : EXCAVATION CONTROL SYSTEM AND CONSTRUCTION MACHINERY

(57) Abstract :

An excavation control system (200) is configured to obtain: a first regulated speed (SI), which is set for an extension/contraction speed of a boom cylinder (10) and is required to limit a first relative speed (Ql) to a first prospective speed (PI); and a second regulated speed (S2), which is set 5 for the extension/contraction speed of the boom cylinder (10) and is required to limit a second relative speed (Q2) to a second prospective speed (P2). The excavation control system (200) is configured to select, as a speed limit (U), either of the prospective speeds (P) that is relevant to the greater one of the first regulated speed (SI) and the second regulated speed (S2).

No. of Pages : 29 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :08/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NITRIDED STEEL MEMBER AND METHOD FOR PRODUCING SAME

(57) Abstract :

In this nitrided steel member, an iron nitride compound layer is formed on the surface of a steel member comprising a carbon steel member for a machine structure or an alloy steel member for a machine structure. The nitride steel member is characterized by the thickness of the iron nitride compound layer being 2-17 μ m, and of the X-ray diffraction peak strength (IFe4N(111)) of the (111) crystal plane of Fe4N and the X-ray diffraction peak strength (IFe3N(111)) of the (111) crystal plane of Fe3N measured at the surface of the nitride steel member by means of X-ray diffraction, the strength ratio represented by IFe4N(111)/{IFe4N(111) + IFe3N(111)}} is at least 0.5.

No. of Pages : 44 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :08/08/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR MANUFACTURING BRANCHED AROMATIC POLYCARBONATE RESIN WITH DESIRED DEGREE OF BRANCHING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C08G64/04,C08G64/16 :2011028011 :11/02/2011 :Japan :PCT/JP2012/052988 :09/02/2012 :WO 2012/108510 :NA :NA :NA | (71)Name of Applicant : 1)Mitsubishi Gas Chemical Company Inc. Address of Applicant :5 2 Marunouchi 2 chome Chiyoda ku Tokyo 1008324 Japan (72)Name of Inventor : 1)ISAHAYA Yoshinori 2)HIRASHIMA Atsushi 3)HARADA Hidefumi 4)ITO Maki 5)HAYAKAWA Jun ya 6)ISOBE Takehiko 7)TOKUTAKE Taichi 8)SHINKAI Yousuke |
|---|---|---|
|---|---|---|

(57) Abstract :

To provide a process for manufacturing, easily and using a conventional branching agent, a branched aromatic polycarbonate resin which has both a sufficiently high molecular weight and a desired degree of branching. [Solution] A branched aromatic polycarbonate resin having a degree of branching (N value) controlled within a specific range is manufactured by subjecting an aromatic polycarbonate prepolymer that has a branched structure introduced using a specific amount of a branching agent to molecular-weight-increasing linking reaction with an aliphatic diol compound in the presence of a transesterification catalyst under the condition of a reduced pressure. The amount (A) of the branching agent used is adjusted : on the basis of the correlation between the amount (A) of the branching agent used aromatic polycarbonate resin.

No. of Pages : 105 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :02/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PLURIPOTENT STEM CELLS AND METHOD OF STIMULATING AND EXTRACTING NON EMBRYONIC PLURIPOTENT STEM CELLS FROM MAMMAL BLOOD AND USING RECONSTITUTED PLURIPOTENT STEM CELLS TO TREAT DISEASES INCLUDING CHRONIC OBSTRUCTIVE PULMONARY DISEASE

| (51) Internationalclassification(31) Priority Document No(32) Priority Date | :A61K35/74,A61K35/66,A61K35/12 :61/437705 :31/01/2011 | (71)Name of Applicant : 1)JOHNÂ LACY Address of Applicant :152/18-19 SILOM RD, BANGKOK 10500 THAILAND Thailand |
|--|---|---|
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : 1)ROYAL Daniel F. |
| (86) International Application No Filing Date | :PCT/US2012/023382 :31/01/2012 | 2)YOUNG Henry E. 3)DYAL Seth |
| (87) International Publication No | :WO 2012/106367 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Stimulating tissue resident pluripotent stem cells in a manner that the respective subject (e.g. human) acts as its own sterile bioreactor for in vivo stem cell proliferation thus eliminating the need to isolate cultivate maintain proliferate and release stem cells ex vivo. The stimulation mobilizes excess pluripotent stem cells into the peripheral vasculature where the pluripotent stem cells can either migrate to damaged tissues and/or be harvested by simple venipuncture thus eliminating potential morbidity and mortality elicited from harvesting tissue from solid tissue sites. The pluripotent stem cells are separated from the blood by gravity sedimentation after which the pluripotent stem cells can easily be aspirated from the white blood cells and red blood cells. Billions of pluripotent stem cells can be generated in this fashion for infusion/injection into the body via the vasculature and into the organ(s) in need of tissue repair and regeneration.

No. of Pages : 61 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(12) Date of filing of Application :11/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DETERGENT COMPOSITIONS CONTAINING BACILLUS AGARADHAERENS MANNANASE AND METHODS OF USE THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :PCT/US2012/035454 :27/04/2012 :WO 2012/149317 :NA | (71)Name of Applicant : 1)DANISCO US INC. Address of Applicant :925 Page Mill Road Palo Alto California 94304 U.S.A. (72)Name of Inventor : 1)JONES Brian E. 2)KOLKMAN Marc 3)QIAN Zhen 4)LAURSEN Brian Sogaard 5)KRAGH Karsten M. 6)PRICELIUS Sina 7)YU Zheyong |
|---|---|--|
| | :NA :NA | , |
| (62) Divisional to Application Number Filing Date | :NA :NA | 9)ESTABROOK Melodie |

(57) Abstract :

The present compositions and methods relate to an endo- β -mannanase cloned from Bacillus agaradhaerens, polynucleotides encoding the endo- β -mannanase, and methods of use thereof. Formulations containing the endo- β -mannanase are highly suitable for use as detergents.

No. of Pages : 123 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SODIUM HYPOCHLORITE BASED BODY WASH COMPOSITIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61K8/20,A61K8/42,A61K8/44 :61/476067 :15/04/2011 :U.S.A. :PCT/US2012/033510 :13/04/2012 o:WO 2012/142407 :NA :NA :NA | (71)Name of Applicant : 1)TOPMD INC. Address of Applicant :100 Highland Park Village Suite 241 Dallas TX 75205 U.S.A. (72)Name of Inventor : 1)ANWAR Azam 2)COCKERELL Clay J. 3)SITBON Catherine |
|---|---|--|
|---|---|--|

(57) Abstract :

Sodium hypochlorite based compositions that are non toxic and have antimicrobial and cleansing properties may include from about 0.025% to about 10% by weight of sodium hypochlorite. For example the compositions may include less than 1%) by weight of sodium hypochlorite (e.g. less than 0.5% by weight of sodium hypochlorite). The compositions may further include sodium laureth sulfate cocamidopropyl betaine cocamide MEA disodium EDTA and deionized water. Such compositions may be applied externally to a mammalian body through rinse off or leave on applications. Compositions also may be incorporated as a component of other products such as deodorants towelettes or powders.

No. of Pages : 43 No. of Claims : 35

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(57) Abstract :

The present invention provides fluid compositions comprising at least one hydrophobic liquid at least one inorganic pigment and at least one compatibilization agent comprising at least one phosphate monoester.

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

(19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICE FOR REGULATING THE CIRCULATION OF A LIQUID COOLANT FOR A HEAT EXCHANGER PARTICULARLY FOR A MOTOR VEHICLE ENGINE CHARGE AIR COOLER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F02B29/04 :1356535 :04/07/2013 :France :PCT/EP2014/064372 :04/07/2014 :WO 2015/001107 :NA :NA :NA :NA | (71)Name of Applicant : 1)VALEO SYSTEMES THERMIQUES Address of Applicant :8 rue Louis Lormand BP 517 La VerriÃ[¬]re F 78321 Le Mesnil Saint Denis France (72)Name of Inventor : 1)FERLAY Benjamin 2)GROSJEAN Denis 3)GALLAND Jean Pierre |
|---|--|--|
|---|--|--|

(57) Abstract :

The invention relates to a device (11) for regulating the circulation of a liquid coolant (L) for a heat exchanger (3) particularly for a motor vehicle engine charge air cooler said device comprising a body (17) configured to be attached to said exchanger said body defining at least one liquid circulation chamber (19) said device further comprising a means (12) of distributing said liquid in the chamber that allows the temperature and/or the flow rate of the liquid coolant in the exchanger to be modified.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :31/12/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : STRIP OF ELECTROCHEMICAL CELLS FOR THE PRODUCTION OF A BATTERY MODULE FOR AN ELECTRIC OR HYBRID VEHICLE AND METHOD FOR THE PRODUCTION OF SUCH A MODULE

| country.France2)FEUILLARD Vincent(86) International Application No:PCT/EP2014/063627 :26/06/2014:PCT/EP2014/063627 :26/06/2014(87) International Publication No:WO 2014/207168(61) Patent of Addition to Application Number Filing Date:NA(62) Divisional to Filing Date:NA(62) Divisional to Filing Date:NA | (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :26/06/2014 :WO 2014/207168 :NA :NA | (71)Name of Applicant : 1)VALEO SYSTEMES THERMIQUES Address of Applicant :8 rue Louis Lormand BP 513 La VerriÃ[~]re F 78321 Le Mesnil Saint Denis cedex France (72)Name of Inventor : 1)ELLIOT Gilles 2)FEUILLARD Vincent |
|--|---|--|--|
|--|---|--|--|

(57) Abstract :

The invention relates mainly to a system of electrochemical cells for the production of a battery module for an electric or hybrid vehicle comprising a stack of flexible electrochemical cells characterised in that it comprises at least one support strip (2) with at least one electrochemical cell (7 8) disposed on the surface thereof. According to the invention the support strip (2) can be cut such that the number of electrochemical cells (7 8) disposed on the surface is adapted to provide the necessary battery power and the strip can be folded such as to allow the electrochemical cells (7 8) to be positioned side by side and stacked on top of one another.

No. of Pages : 23 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :27/07/2005

(43) Publication Date : 13/05/2016

| (54) Title of the invention : "CATHODE RAY TUBE NECK GLASS" | | | |
|--|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on | :C03C 3/105 :61/093513 :21/07/1998 :U.S.A. :NA :NA :NA :NA :NA :NA :976/DEL/1999 :15/07/1999 | (71)Name of Applicant : 1)CORINING INCORPORATED Address of Applicant :HOUGHTON PARK, CORNING, NEW YORK 14831, USA. U.S.A. (72)Name of Inventor : 1)DAVID A. TAMMARO | |

(57) Abstract :

A cathode ray tube with an improved tubular glass neck member having a softening point in the range of $640-650 \text{Å}^{\circ}$ C, an annealing temperature in the range of $460-472 \text{Å}^{\circ}$ C, a strain point in the range of $420-425 \text{\AA}^{\circ}$ C, a coefficient of thermal expansion in the range of $94-97x10-7/\text{\AA}^{\circ}$ C, and a linear x-ray absorption value of at least 100 cm-1 and a composition, as calculated in weight % on an oxide basis, consisting essentially of 46.5-49.5% SiO2,1.5-2% Al2O3, 0.5-1.5% Na2O,10-12% K2O, 2-3% SrO, 1-1.8% BaO, 32-34% PbO, 1-1.5% ZnO and a fining agent.

No. of Pages : 14 No. of Claims : 10

(22) Date of filing of Application :03/02/2006

(54) Title of the invention : "A NON THERMAL MEMBRANE PROCESS FOR THE CONCENTRATION OF ANTHOCYANIN, A NATURAL RED COLORANT"

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 2/00 :NA :NA :NA | (71)Name of Applicant : 1)COUNCIL OF SCIENCETIFIC & INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA. Delhi India (72)Name of Inventor : |
|--|---------------------------------|--|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA :NA :NA | 1)GANAPATHI PATIL 2)SANKARAMTHADATHIL GANGADHARAN JAYAPRAKASHAN 3)MAYA PRAKASH 4)KARUMANCHI SEERSAILA MALLIKARJUNA |
| Filing Date | :NA | SRINIVASA RAGHAVARAO |

(57) Abstract :

The present invention relates to a non thermal membrane process for the concentration of anthocyanin a natural red colorant. The present invention more particularly relates to an improved process for concentration of anthocyanin, a natural red colorant from Red Radish (Raphanus sativus L.) using osmotic membrane distillation process alone or in combination with other membrane processes like ultrafiltration and reverse osmosis.

No. of Pages : 15 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :11/10/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PYRIDIN 2 (1H) ONE DERIVATIVES USEFUL AS MEDICAMENTS FOR THE TREATMENT OF MYELOPROLIFERATIVE DISORDERS TRANSPLANT REJECTION IMMUNE MEDIATED AND INFLAMMATORY DISEASES

| countryIDEAST WOOD Fail Robert(86) International Application No Filing Date:PCT/EP2012/059394 :21/05/2012:DEAST WOOD Fail Robert(87) International Publication No:21/05/2012:Deast Castillo Elena (4)BACH TAÃ'A Jordi(61) Patent of Addition to Application Number Filing Date:NA :NA:NA :NA(62) Divisional to Filing Date:NA :NA:NA :NA | classification:C07D471/02,C07D473/00,A61K31/321)ALM(31) Priority Document No :11382170.6Addre(32) Priority Date:25/05/2011(33) Name of priority country:EPO(86) International Application No:PCT/EP2012/059394(30) CT/EP2012/059394:3)GOM | e of Inventor : IWOOD Paul Robert ZALEZ RODRIGUEZ Jacob IEZ CASTILLO Elena |
|--|---|---|
|--|---|---|

(57) Abstract :

COMPOUNDS HAVING THE CHEMICAL STRUCTURE OF FORMULA (I) ARE DISCLOSED; AS WELL AS PROCESS FOR THEIR PREPARATION PHARMACEUTICAL COMPOSITIONS COMPRISING THEM AND THEIR USE IN THERAPY AS INHIBITORS OF JANUS KINASES (JAK).

No. of Pages : 215 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :12/09/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : BINDING MOLECULES CAPABLE OF NEUTRALIZING THE RABIES VIRUS AND USES THEREOF

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07K16/42,C12N15/13,A61K39/395 :1020110024332 :18/03/2011 :Republic of Korea :PCT/KR2012/001902 :16/03/2012 :WO 2012/128508 :NA :NA :NA :NA | (71)Name of Applicant : 1)CELLTRION INC. Address of Applicant :13 6 Songdo dong Yoensu gu Incheon 406 840 Republic of Korea (72)Name of Inventor : 1)CHANG Shin Jae 2)KIM Pan Kyeom 3)HONG Hye Jin 4)KIM Sung Hyun |
|--|--|---|
|--|--|---|

(57) Abstract :

The present invention relates to binding molecules capable of neutralizing the rabies virus. More particularly the binding molecules of the present invention have the ability to neutralize the rabies virus derived from animals such as dogs cows mongooses skunks and wolves and therefore may be effectively used in treating patients infected with the rabies virus derived from a wide variety of animals.

No. of Pages : 65 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICES INCORPORATING A LIQUID IMPREGNATED SURFACE

| (51) International classification | n:B08B17/06,C09D5/16,F03D11/00 | |
|---|--------------------------------|---|
| (31) Priority Document No | :61/515395 | 1)MASSACHUSETTS INSTITUTE OF TECHNOLOGY |
| (32) Priority Date | :05/08/2011 | Address of Applicant :77 Massachusetts Avenue Cambridge |
| (33) Name of priority country | :U.S.A. | MA 02139 4307 U.S.A. |
| (86) International Application No | :PCT/US2011/061898 | (72)Name of Inventor : 1)DHIMAN Rajeev |
| Filing Date | :22/11/2011 | 2)SMITH J. David |
| (87) International Publication No | :WO 2013/022467 | 3)VARANASI Kripa K. 4)REZA GARDUNO CABELLO Ernesto |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An article with a liquid impregnated surface (120) the surface (120) having a matrix of features (124) thereupon spaced sufficiently close to stably contain a liquid (126) therebetween or therewithin and preferable also a thin film thereupon. The surface (120) provides the article with advantageous non wetting properties. Compared to previous non wetting surfaces (104) which include a gas (110) (e.g. air) entrained within surface textures (108) these liquid impregnated surfaces (120) are resistant to impalement and frost formation and are therefore more robust.

No. of Pages : 41 No. of Claims : 29

(22) Date of filing of Application :26/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI-WETTING, LOW ADHESION COATINGS FOR AQUEOUS INK PRINTHEADS

| (51) International classification:C08G77//(31) Priority Document No:14/535,87(32) Priority Date:07/11/201(33) Name of priority country:U.S.A.(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA | Address of Applicant :45 Glover Avenue P.O. Box 4505 |
|--|--|
|--|--|

(57) Abstract :

Exemplary embodiments provide anti-wetting, low adhesion coatings for use with aqueous ink jet printheads. Exemplary embodiments directed to aqueous ink jet printheads with the anti-wetting, low adhesion coating on the front face thereof and methods for reducing drooling, wetting or adhesion on a front face of an ink jet printhead configured for ejecting aqueous ink are also described.

No. of Pages : 33 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :11/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : DISTILLATION STATION

(57) Abstract :

A distillation station for separating components of a liquid mixture comprising a vertical distillation column split into individual separation stages by fittings and which is further split by the liquid mixture feed into a stripping chamber and an enriching chamber wherein in the stripping chamber the lower boiling fraction of vapour from the fluid mixture rising from a column sump comprising an evaporator is stripped and in the enriching chamber the vapour is enriched with the lower boiling fraction which is withdrawn from a return fluid produced due to the vapour drawn from the column head being precipitated at least partially in a condenser and returned to the rectifier column and the return liquid and the liquid mixture preferably fed between two separating stages being routed to the fittings vertically connected in sequence. In the process each of the fittings comprise at least one liquid channel which is separated at least partially from the vapour chamber of the distillation column by a two sided vapour permeable liquid tight membrane wall.

No. of Pages : 33 No. of Claims : 14

(22) Date of filing of Application :28/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : MEASURING APPLIANCE COMPRISING A DYNAMIC SIGHTING FUNCTIONALITY AND ASSOCIATED METHOD

| (51) International classification | :G01C15/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :11150580.6 | 1)LEICA GEOSYSTEMS AG |
| (32) Priority Date | :11/01/2011 | Address of Applicant :Heinrich Wild Strasse CH 9435 |
| (33) Name of priority country | :EPO | Heerbrugg Switzerland |
| (86) International Application No | :PCT/EP2012/050300 | (72)Name of Inventor : |
| Filing Date | :10/01/2012 | 1)SCHROEDER Frank |
| (87) International Publication No | :WO 2012/095415 | 2)SCHROEDER Frank |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | l de la constante de |

(57) Abstract :

According to the invention the construction measuring device (10) has a functionality for modifying the orientation of the sighting unit (13) in a manually controllable manner within the framework of which the orientation of the sighting unit (13) is dynamically modified by the first or second rotary drive according to a current direction and a current distance from a defined central anchor display point to a currently marked display point. The respective current direction defines an orientation modifying direction and the respective current distance defines an orientation modifying speed for changing the orientation of the sighting unit (13).

No. of Pages : 35 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :06/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A CLUTCH RELEASE BEARING WITH A SEALING ARRANGEMENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :NA :NA :NA :NA | (71)Name of Applicant : 1)NATIONAL ENGINEERING INDUSTRIES LTD Address of Applicant :Khatipura Road, Jaipur- 302001, Rajasthan, INDIA Rajasthan India (72)Name of Inventor : |
|--|--------------------------|---|
| Filing Date (87) International Publication No | :NA : NA | 1)JAIN Pankaj 2)PACHAURI Bhartendu |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application NumberFiling Date | :NA :NA | |

(57) Abstract :

The present disclosure relates to a bearing that comprises an inner race and an outer race, wherein the outer race is provided with a radially inwardly extending flange and at least a portion of the radially inwardly extending flange is spaced apart from at least a portion of the inner race, and at least one row of rolling elements is interposed between the inner race and the outer race, characterized in that a bi-furcated sealing element is secured to either of the inner race or the outer race for sealing a gap between the inner race and the radially inwardly extending flange.

No. of Pages : 22 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR OPERATING A SWITCHING ELEMENT

| | :F02D41/20,F02D41/24,H01F7/18 | | |
|---|--|--|--|
| (31) Priority Document No | :10 2010 043 303.9 | 1)ROBERT BOSCH GMBH | |
| (32) Priority Date | :03/11/2010 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart | |
| (33) Name of priority country | :Germany | Germany | |
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2011/067782 :12/10/2011 :WO 2012/059304 | (72)Name of Inventor : 1)RODRIGUEZ AMAYA Nestor 2)RUTHARDT Siegfried 3)RAPP Holger 4)STOECKLEIN Wolfgang | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 5)BERGHAENEL Bernd 6)BEIER Marco | |
| (62) Divisional to Application Number Filing Date | :NA :NA | | |

(57) Abstract :

The invention relates to a method for operating at least one magnetic switching element (16) wherein at least one first connection (70a) of at least one sensor device (70) is connected to at least one connection (HS, LS) of a coil (30) of the magnetic switching element (16) and wherein the first connection (70a) or a further connection (70b) of the sensor device (70) is connected to a reference potential (88) and wherein a measurement state is produced in that at least one connection (HS LS) of the coil (30) is substantially disconnected at least for a time from the reference potential (88) and/or from a source (80, 86) actuating the coil (30) and wherein at least one signal of at least one sensor (26) of the sensor device (70) is derived in the measurement state from at least one electrical potential (92, 102) at at least one connection (HS, LS) of the coil (30).

No. of Pages : 36 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DISC BRAKE HAVING A LATCH FOR LOCKING THE CONVERSION CARTRIDGE BY MEANS OF A LATCH

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :10/04171 :22/10/2010 :France :PCT/EP2011/066390 :21/09/2011 :WO 2012/052245 :NA :NA | (71)Name of Applicant : ROBERT BOSCH GmbH Address of Applicant :Wernerstrasse 1 70442 Stuttgart (72)Name of Inventor : VINCK Jan CHAIGNEAU Fabien |
|---|---|--|
|---|---|--|

(57) Abstract :

The invention relates to a disc brake comprising floating calipers and a brake piston controlled via a movement conversion cartridge (200) which includes a rear portion bearing against the bottom of the calipers and a control shaft extending through the bottom. The front portion of the cartridge bears against the brake piston. Said portion comprises a piston (240) provided with a plate (242) engaging with the plate (212) of the control shaft (210) wherein balls are positioned therebetween and engage with tracks in the form of ramps for converting the relative rotational movement of the plate (212) relative to the other (242) into a translation movement of the piston (240). The cartridge (200) is held in place in the recess (113) thereof by a cage (260) elastically attached to the wall of the recess. The plate of the piston (240) comprises longitudinal flutes (243) for receiving the branches (233) of a latch (230) which is rotatably locked in the caliper recess while leaving the conversion piston (240) to be freely translatable.

No. of Pages : 30 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : HYBRID VEHICLE CONTROL APPARATUS (51) International classification :B60W20/00,B60K6/38,B60K6/48 (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA (31) Priority Document No :NA Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 (32) Priority Date :NA (33) Name of priority country :NA Japan (86) International Application (72)Name of Inventor: :PCT/JP2011/070295 No 1)IDESHIO Yukihiko :06/09/2011 Filing Date 2)KOJIMA Susumu (87) International Publication 3)NAKANISHI Naoki :WO 2013/035165 No 4)SATO Akihiro (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

Provided is a hybrid vehicle control apparatus such that an assist torque by a clutch mechanism can be obtained at an appropriate timing at the time of starting the engine. An electronic control apparatus (58) outputs an engagement command for a clutch (K0)(clutch mechanism) at a point in time (t1) preceding an ignition start command (point in time t2) for an engine (12) by an advance time (Tm) whereby the clutch (K0) is engaged at the start of an increase in the engine rotation speed (NE) so that the assist torque by the clutch mechanism can be obtained at an appropriate timing. Thus the engine rotation speed (NE) that was increased at the time of starting the engine (12) is not decreased and therefore the energy spent for starting can be effectively utilized.

No. of Pages : 32 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :27/10/2004

| (54) Title of the invention : "N-BIT CONSTANT ADDER/SUBTRACTOR" | | |
|--|------------|--|
| (51) International classification | 19/173 | -)~ |
| (31) Priority Document No(32) Priority Date | :NA :NA | Address of Applicant :PLOT NO.2, 3& 18, SECTOR 16A, INSTITUTIONAL AREA, NOIDA-201 3001, U.P.INDIA Uttar |
| (32) Name of priority country | | Pradesh India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)TARUN KUMAR VASHISTHA |
| (87) International Publication No | :NA | 2)PRIYANKA AGARWAL |
| (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 an area efficient realization of an N-bit constant coefficient adder/ subtractor implemented on FPGAs, utilizing N LUTs with single output generation capability. It requires a maximum of 3 inputs from every LUT for addition/subtraction, without any requirement for extra logic for support of arithmetic mode and carry chains. For FPGAs supporting 4-input LUTs, the concept is further enhanced with the provision of the capability to perform addition and subtraction dynamically, by exploiting the fourth unused input of the LUTs. Another embodiment involves delay-optimized realization of an N-bit constant coefficient adder/ subtractor implemented on FPGAs with 4-input LUTs. LUTs in the implementation require single output generation capability without any carry generation and propagation. The implementation utilizes N+1 LUTs and gives a delay proportional to N/2 of routing resource used. However, the implementation becomes more efficient by the use of cascade chains. The delay optimization is achieved by doing computation in two parallel chains.

No. of Pages : 28 No. of Claims : 19

(22) Date of filing of Application :12/11/2014

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF A YELLOW ANTIOXIDANT PIGMENT FROM THE FUNGUS COLLETOTRICHUM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | (71)Name of Applicant : 1)DEPARTMENT OF BIOTECHNOLOGY Address of Applicant :Block No. 2, 7th Floor CGO Complex, Lodhi Road, New Delhi-110003, India Delhi India 2)SARDAR PATEL UNIVERSITY (72)Name of Inventor : 1)KAMLESH C. PATEL 2)VIMAL S. PRAJAPATI 3)KIRANSINH N. RAJPUT 4)UJJVAL B. TRIVEDI |
|---|--------------------------|---|
|---|--------------------------|---|

(57) Abstract :

A process for the production of a yellow antioxidant pigment comprising preparing inoculum of the fungal strain of genus Colletotrichum, extracting the yellow pigment, from the fermentation broth using methods selected from submerged fermentation and solid state fermentation subjecting the pigment thus obtained to the step of purification.

No. of Pages : 36 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :12/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SINGLE STAGE BUCK-BOOST PHOTOVOLTAIC MICRO-INVERTER

| | 11001 101500 | |
|---|--------------|---|
| (51) International classification | :H02M7/537 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR |
| (32) Priority Date | :NA | Address of Applicant :Dean, Research & Development, 255, |
| (33) Name of priority country | :NA | Faculty Building, Indian Institute of Technology Kanpur, Kanpur - |
| (86) International Application No | :NA | Uttar Pradesh 208016 Uttar Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)KUMAR, Ashok |
| (61) Patent of Addition to Application Number | :NA | 2)SENSARMA, Parthasarathi |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Described herein a single-stage buck-boost photovoltaic (PV) micro-inverter (102) for converting direct current (DC) power to alternating current (AC) power. The single-stage buck-boost photovoltaic (PV) micro-inverter (102) comprising a first inductor L1, a coupling capacitor C1, a magnetically-coupled inductor L2 and an output capacitor C2. The single-stage buck-boost micro-inverter (102) further includes switching members S1-4 to control the connections between the first inductor L1, the output capacitor C2, the coupling capacitor C1, and the magnetically-coupled inductor L2. First switch S1 controls a connection of the first inductor L1 with a common terminal of the PV source and the load. Second switch S2 controls a connection of the first inductor L1 with a common terminal of the coupling capacitor C1 and the magnetically-coupled inductor L2. Third switch S3 and the fourth switch S4 control a connection of the magnetically-coupled inductor L2 with the output capacitor C2.

No. of Pages : 25 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :17/03/2015

(21) Application No.728/DEL/2015 A

(43) Publication Date : 13/05/2016

| (54) Title of the invention : DOCKING S | SYSTEM | |
|--|--|---|
| (54) Title of the invention : DOCKING S (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G08G5/00 :PCT/US2014/064470 :07/11/2014 :PCT :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Amphenol Thermometrics, Inc. Address of Applicant :967 Windfall Road, St. Marys, Pennsylvania 15857-3397, U.S.A. U.S.A. (72)Name of Inventor : 1)PLANTE, Dennis 2)KIES, Frank 3)CHOWDHURY, Himangshu 4)DARSHAN, Santosh 5)DENOVELLIS, Mark |

(57) Abstract :

The invention provides a docking system for a portable device, comprising a housing assembly disposed partially within an inputoutput module and operable between a plurality of viewing angles, at least one retaining member for coupling the housing assembly to the input-output module, and a locking sub-system provided on the housing assembly for locking the portable device to the housing assembly.

No. of Pages : 36 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :18/03/2015

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F11/14 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :201410429701.7 | 1)XIAOMI INC. |
| (32) Priority Date | :27/08/2014 | Address of Applicant :Floor 13 Rainbow City Shopping Mall |
| (33) Name of priority country | :China | of China Resources No. 68 Qinghe Middle Street Haidian District |
| (86) International Application No | :PCT/CN2015/071870 | Beijing 100085 China |
| Filing Date | :30/01/2015 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2016/029648 | 1)LI Chunyu |
| (61) Patent of Addition to Application | :NA | 2)WANG Yidong |
| Number | | 3)HU Xiandong |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : FILE BACKUP METHOD AND DEVICE

(57) Abstract :

A file backup method. The method comprises: determining the hash value of a file according to a preset algorithm (101); querying the determined hash value in a local backup database (102); and when it is queried that the hash value is recorded in the local backup database stopping backing up the file to a backup server (103). Therefore the same file in different file path names is prevented from being repeatedly backed up.

No. of Pages : 33 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : AZEOTROPE LIKE COMPOSITIONS COMPRISING 1 CHLORO 3 3 3 TRIFLUOROPROPENE :C09K5/04,C09K5/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)HONEYWELL INTERNATIONAL INC. :61/415670 (32) Priority Date :19/11/2010 Address of Applicant :Patent Services M/S AB/2B 101 (33) Name of priority country Columbia Road P. O. Box 2245 Morristown New Jersey 07962 :U.S.A. (86) International Application No :PCT/US2011/061565 2245 U.S.A. (72)Name of Inventor: Filing Date :20/11/2011 (87) International Publication No :WO 2012/068572 1)HULSE Ryan (61) Patent of Addition to Application 2)SINGH Rajiv R. :NA Number 3)PHAM Hang T. :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

An azeotrope-like mixture consisting essentially of a binary azeotrope-like mixture consisting essentially of trans-l-chloro-3,3,3-trifluoropropene (trans-HFO-1233zd) and a second component selected from the group consisting of 2,3,3, 3-tetrafluoropropene (HFO-1234yf) and trans-l,3,3,3-tetrafluoropropene (trans-HFO-1234ze), and combinations of these and various uses thereof.

No. of Pages : 51 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING AROMATIC AMINES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :17/09/2010 :EPO :PCT/EP2011/065608 :09/09/2011 :WO 2012/034933 | (71)Name of Applicant : BASF SE Address of Applicant :67056 Ludwigshafen Germany (72)Name of Inventor : AHRENS Sebastian MÜLLER Christoph PAUL Axel ERNST Martin POLLMER Nadja MELDER Johann Peter HEIDEMANN Thomas ANDERS Joachim Thierry |
|---|---|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a method for producing an aromatic amine by reacting a corresponding aromatic alcohol with an amination agent selected from the group consisting of ammonia primary amines and secondary amines in the presence of hydrogen and a catalyst molded body at a temperature of 60 to 300Å° characterised in that the catalyst molded body contains Zr, Pd and Pt and is in the form of an annular tablet having an outer diameter in the range of 2 to 6 mm and a height in the range of 1 to 4 mm and an inner diameter of 1 to 5 mm or a topologically equivalent shape having the same volume. The invention further relates to catalyst molded bodies containing Zr Pd and Pt characterised in that the catalyst molded body is in the form of an annular tablet having an outer diameter in the range of 3 to 6 mm and a height in the range of 1 to 4 mm and an inner diameter in the range of 3 to 6 mm and a height in the range of 1 to 4 mm and an inner diameter in the range of 3 to 6 mm and a height in the range of 1 to 4 mm and an inner diameter of 2 to 5 mm or a topologically equivalent shape.

No. of Pages : 25 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : ELECTROSTATIC COATING GUN | | | |
|--|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | n:B05B5/16,B05B5/053,B05B13/04 :2010216121 :27/09/2010 :Japan :PCT/IB2011/002247 :27/09/2011 :WO 2012/042344 :NA :NA :NA | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyota cho Toyota shi Aichi ken 471 8571 Japan (72)Name of Inventor : 1)YAMASAKI Isamu 2)TAKASE Fumihiro 3)NAGAI Kimiyoshi | |

(57) Abstract :

A coating gun (2) includes: a high voltage generating device (6) that is used to generate high voltage; an air motor (4) that is a motor portion to which the high voltage is applied; a bell cup (5) that is supported on a rotary shaft (4a) of the air motor (4) and to which the high voltage is applied; a CCV unit (7) that selectively supplies a plurality of types of coatings to the bell cup (5); a gun body (3) that is a casing and that contains the high voltage generating device (6) the air motor (4) and the CCV unit (7); and a coupling portion (3c) that is used to couple the gun body (3) to a robot arm (8) and that is grounded. The air motor (4) and the CCV unit (7) are electrically connected to each other via a first resistor (11) and the coupling portion (3c) and the CCV unit (7) are electrically connected to each other via a second resistor (12).

No. of Pages : 20 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ADHESIVE TAPE AND METHOD OF MANUFACTURING AN ADHESIVE TAPE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :26/09/2011 | (71)Name of Applicant : 1)ILLINOIS TOOL WORKS INC. Address of Applicant :3600 West Lake Avenue Glenview Illinois 60026 U.S.A. (72)Name of Inventor : 1)LANFRANCONI Aldo |
|--|-------------------|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

An adhesive tape (10) for use in flying reel change applications comprising a double sided adhesive tape (100) and a splitable tape (200). In order to obtain a splicing tape which provides for easy and reliable use without having to adhere it to the backside of a topmost layer of web material at least a third self adhesive layer (230) of the splitable tape (200) is narrower than the fixation layer (220) of the splitable tape (200) such that an essentially non adhesive region (240) is formed on the lower surface (212) of the splitable layer (210).

No. of Pages : 29 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :06/05/2014

(54) Title of the invention : NEUTRALIZING GP41 ANTIBODIES AND THEIR USE

| | | (71)Name of Applicant : 1)THE UNITED STATES OF AMERICA AS |
|--|--|---|
| (51) Internationalclassification(31) Priority Document No | :C07K16/10,A61K39/42,A61P31/18 :61/556660 | REPRESENTED BY THE SECRETARY DEPARTMENT OF HEALTH AND HUMAN SERVICES Address of Applicant :National Institutes of Health Office of |
| (32) Priority Date | :07/11/2011 | Technology Transfer 6011 Executive Boulevard Suite 325 MSC |
| (33) Name of priority country | /:U.S.A. | 7660 Bethesda MD 20852 7660 U.S.A. |
| (86) International Application No Filing Date (87) International Publication No | :07/11/2012 | (72)Name of Inventor : 1)CONNORS Mark 2)HUANG Jinghe 3)LAUB Leo B. 4)KWONG Peter |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 5)NABEL Gary 6)MASCOLA John R. 7)ZHANG Baoshan 8)RUDICELL Rebecca S. 9)GEORGIEV Ivelin 10)YANG Yongping 11)ZHU Jiang 12)OFEK Gilad |

(57) Abstract :

Monoclonal neutralizing antibodies are disclosed that specifically bind to the HIV 1 gp41 membrane proximal external region (MPER). Also disclosed are compositions including the disclosed antibodies that specifically bind gp41 nucleic acids encoding these antibodies expression vectors including the nucleic acids and isolated host cells that express the nucleic acids. The antibodies and compositions disclosed herein can be used for detecting the presence of HIV 1 in a biological sample or detecting an HIV 1 infection or diagnosing AIDS in a subject. In additional the broad neutralization breadth of the disclosed antibodies makes them ideal for treating a subject with an HIV infection. Thus disclosed are methods of treating and/or preventing HIV infection.

No. of Pages : 294 No. of Claims : 49

(19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SUPRAMOLECULAR CAPSULES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C08G83/00,A61K47/48,C08G85/00 :1112893.1 :26/07/2011 :U.K. :PCT/GB2012/051787 :25/07/2012 'WO 2013/014452 :NA :NA :NA | (71)Name of Applicant : 1)CAMBRIDGE ENTERPRISE LIMITED Address of Applicant :The Old Schools Trinity Lane Cambridge Cambridgeshire CB2 1TS U.K. (72)Name of Inventor : 1)SCHERMAN Oren Alexander 2)COULSTON Roger 3)ABELL Christopher 4)ZHANG Jing |
|---|---|---|
|---|---|---|

(57) Abstract :

Provided is a capsule having a shell of material that is a supramolecular cross linked network. The network is formed from a host guest complexation of cucurbituril (the host) and one or more building blocks comprising suitable guest functionality. The complex non covalently crosslinks the building block and/or non covalently links the building block to another building block thereby forming the supramolecular cross linked network. The capsules are obtained or obtainable by the complexation of a composition comprising cucurbituril and one or more building blocks having suitable cucurbituril guest functionality thereby to form a supramolecular cross linked network.

No. of Pages : 105 No. of Claims : 36

(19) INDIA

(22) Date of filing of Application :28/06/2013

(21) Application No.5850/DELNP/2013 A

(43) Publication Date : 13/05/2016

| (51) International classification | :G06F9/50 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :12/984938 | 1)ALCATEL LUCENT |
| (32) Priority Date | :05/01/2011 | Address of Applicant :3 avenue Octave Gréard F 75007 |
| (33) Name of priority country | :U.S.A. | Paris France |
| (86) International Application No | :PCT/US2011/065755 | (72)Name of Inventor : |
| Filing Date | :19/12/2011 | 1)LI Li |
| (87) International Publication No | :WO 2012/094138 | 2)WOO Thomas |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : SEAMLESS SCALING OF ENTERPRISE APPLICATIONS

(57) Abstract :

Various exemplary embodiments relate to a method of scaling resources of a computing system the method comprising. The method may include: setting a threshold value for a metric of system performance; determining an ideal resource load for at least one resource based on the threshold value for the metric; distributing a system work load among the computing system resources; and adjusting the number of resources based on the system work load the ideal resource load and a current number of resources. Various exemplary embodiments also relate to a computing system for scaling cloud resources. The computing system may include: internal resources; a load balancer; a performance monitor; a communication module; a job dispatching module; and a controller. Various exemplary embodiments also relate to a method of detecting dynamic bottlenecks during resource scaling using a resource performance metric and a method of detecting system performance metric.

No. of Pages : 32 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD A SYSTEM A SERVER A CLIENT A COMPUTER PROGRAM AND A COMPUTER PROGRAM PRODUCT FOR DETERMINING A USER GUIDE IN A COMPUTER NETWORK

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04N5/445 :11290039.4 :21/01/2011 :EPO :PCT/EP2011/072550 :13/12/2011 :WO 2012/097922 :NA :NA :NA :NA | (71)Name of Applicant : 1)ALCATEL LUCENT Address of Applicant :3 avenue Octave Gréard F 75007 Paris France (72)Name of Inventor : 1)LE BERRE Olivier 2)JABAUD Philippe 3)JOUBERT Eric |
|--|--|--|
|--|--|--|

(57) Abstract :

The invention concerns a method for determining a user guide in a computer network, wherein a message (202) comprising information about at least two devices (111, 112, 131, 141) selected (200) by a user is received by a server (102), said user guide is determined (203) by said server (102) depending on information about devices (111, 112, 131, 141) retrieved from storage and said message (202), and a further message (204) comprising at least a part of said user guide is sent by said server (102).

No. of Pages : 26 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :17/07/2014

(43) Publication Date : 13/05/2016

| (51) International classification | :A61C13/34 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/590221 | 1)SMITH & NEPHEW INC. |
| (32) Priority Date | :24/01/2012 | Address of Applicant :1450 Brooks Road Memphis Tennessee |
| (33) Name of priority country | :U.S.A. | 38116 U.S.A. |
| (86) International Application No | :PCT/US2013/022748 | (72)Name of Inventor : |
| Filing Date | :23/01/2013 | 1)LANDON Ryan Lloyd |
| (87) International Publication No | :WO 2013/112586 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(54) Title of the invention : POROUS STRUCTURE AND METHODS OF MAKING SAME

(57) Abstract :

The present disclosure allows for more controlled modification of the input data to a Rapid Manufacturing Technologies (RMT) machinery to compensate for systematic error of the manufacturing process such as directional build discrepancies by performing the opposite effect to the input data. The modification is achieved with minimal unwanted distortions introduced to other portions of the structure to be built by decoupling the global scaling effects on the whole structure from the desired local effects on certain portions

No. of Pages : 39 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :01/01/2014

(54) Title of the invention : LEAF SPRING BRACKET

(43) Publication Date : 13/05/2016

(51) International classification :F01N3/10,F01N3/28,F01N13/08 (71)Name of Applicant : 1) TENNECO AUTOMOTIVE OPERATING COMPANY (31) Priority Document No :13/154529 INC. (32) Priority Date :07/06/2011 (33) Name of priority country :U.S.A. Address of Applicant :500 North Field Drive Lake Forest IL (86) International Application 60045 U.S.A. :PCT/US2012/037301 No (72)Name of Inventor: :10/05/2012 Filing Date 1)RODECKER Troy P. (87) International Publication No:WO 2012/170143 2)PORTER Jason R. (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A system for mounting a catalytic converter of an exhaust system to an internal combustion engine includes a bracket adapted to fix the catalytic converter to the engine. A strap is adapted to circumferentially extend about a portion of the catalytic converter and clamp the catalytic converter to the bracket. The bracket includes a seat a mounting pad and a compliant portion interconnecting the seat and the mounting pad. The seat supports a portion of the catalytic converter opposite the strap. The compliant portion includes a slot extending adjacent to the seat to reduce the stiffness of the bracket and allow the bracket to deflect during thermal expansion of the catalytic converter.

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

(19) INDIA

(22) Date of filing of Application :17/02/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : ENGINEERED MICROBE TARGETING MOLECULES AND USES THEREOF

| (51) International classification (31) Priority Document No | :G01N33/543,G01N33/569,C07K14/47 p:61/508957 | (71)Name of Applicant : 1)PRESIDENT AND FELLOWS OF HARVARD COLLEGE |
|---|---|--|
| (32) Priority Date | :18/07/2011 | Address of Applicant :17 Quincy Street Cambridge |
| (33) Name of priority country | :U.S.A. | Massachusetts 02138 U.S.A. (72) Name of Inventor : |
| (86) International Application No Filing Date | :PCT/US2012/047201 :18/07/2012 | 1)INGBER Donald E. 2)SUPER Michael 3)WAY Jeffrey Charles |
| (87) International Publication No | :WO 2013/012924 | 4)CARTWRIGHT Mark J. 5)WATTERS Alexander |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 6)BERTHET Julia B. 7)SUPER Dinah R. 8)ROTTMAN Martin M. |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Described herein are engineered microbe targeting or microbe binding molecules kits comprising the same and uses thereof. Some particular embodiments of the microbe targeting or microbe binding molecules comprise a carbohydrate recognition domain of mannose binding lectin or a fragment thereof linked to a portion of a Fc region. In some embodiments the microbe targeting molecules or microbe binding molecules can be conjugated to a substrate e.g. a magnetic microbead forming a microbe targeting substrate (e.g. a microbe targeting magnetic microbead). Such microbe targeting molecules and/or substrates and the kits comprising the same can bind and/or capture of a microbe and/or microbial matter thereof and can thus be used in various applications e.g. diagnosis and/or treatment of an infection caused by microbes such as sepsis in a subject or any environmental surface. Microbe targeting molecules and/or substrates can be regenerated after use by washing with a low pH buffer or buffer in which calcium is insoluble.

No. of Pages : 246 No. of Claims : 226

(22) Date of filing of Application :27/08/2015

(43) Publication Date : 13/05/2016

| (54) Title of the invention : AXIAL PISTON MACHINE | | |
|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F01B :14192602.2 :11/11/2014 :EPO :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)DANFOSS A/S Address of Applicant :Nordborgvej 81, 6430 Nordborg, Denmark. Denmark (72)Name of Inventor : 1)ANDERSEN, Stig Kildegaard 2)IVERSEN, Frank Holm |

(57) Abstract :

An axial piston machine (1) is shown, comprising: a shaft (2) having an axis (3) of rotation, a cylinder drum (4) connected to said shaft (2) and having at least a cylinder (5) parallel to said axis (3) of rotation, a piston (6) movable in said cylinder (5), a swash plate (13), a slide shoe (11) pivotally mounted to said piston (6), and holding means holding said slide shoe (11) against said swash plate (13), said holding means having a pressure plate (14) and a number of coil springs (15) arranged between said cylinder drum (4) and said pressure plate (14). The object is to have a reliable operation of said machine with a simple construction. To this end each coil spring (15) is at least at one end fixed by a protrusion (20) extending into said coil spring (15). Fig. 1

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

(19) INDIA

(22) Date of filing of Application :27/10/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND SEAL HOUSING

(57) Abstract :

In an internal combustion engine, a seal member is arranged to surround an outer circumference of a crankshaft, and a seal housing is attached to a sidewall of a cylinder block and located between a crank pulley and the cylinder block. The seal housing includes a holder that holds the seal member, and a projection formed to surround an outer circumference oi" the seal member and projecting toward the crank pulley. The projection provides an enclosed space between (he crank pulley and the seal housing.

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

CONTINUED TO PART-2

CONTINUED FROM PART-1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3536/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :10/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR TEMPERATURE MODULATION USING PHASE CHANGE MATERIAL IN A SPECIAL HEAT EXCHANGER

| (51) International classification | :C09K5/06 | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :NA | 1)THERMAL ENERGY SERVICE SOLUTIONS PVT. |
| (32) Priority Date | :NA | LTD |
| (33) Name of priority country | :NA | Address of Applicant :D 29/12, MIDC Turbhe, Navi Mumbai - |
| (86) International Application No | :PCT// | 400705 Maharashtra India |
| Filing Date | :01/01/1900 | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Rajat Gupta |
| (61) Patent of Addition to Application Number | :NA | 2)Gorakshnath D Takalkar |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

Τ

(57) Abstract :

A system for improved heat exchange mechanism maintaining eutectic cold plate at a temperature below the freezing point for prolonged time interval and/or in various environmental conditions during delivery and a method thereof. Invention provides a method and a system for providing improved heat transfer based eutectic cold plate refrigeration system or heat exchange system which either precools the products and circulates cool air on the product keeping them at a desired storage temperature for prolonged time interval during delivery, thus providing an improvised PCM heat exchanger with specific combination of tube spacing, extended surfaces (fins) and refrigeration circuit that enhances the heat transfer capability for freezing of PCM, an air sparger at the bottom of said chamber to create turbulence during discharge rate of heat from the eutectic plate assembly to the stored product inside insulated container such that heat is distributed effectively through the phase change material.

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

(19) INDIA

(22) Date of filing of Application :11/11/2014

(54) Title of the invention : PROCESS FOR PREPARATION OF 1-[3-[(E)-2-(7-CHLORO-2-QUINOLYL)VINYL]PHENYL] ETHANONE

| (71)Name of Applicant : |
|--|
| 1)AARTI INDUSTRIES LIMITED |
| Address of Applicant :71, UDYOG KSHETRA, 2ND |
| FLOOR, MULUND GOREGAON LINK ROAD, MULUND (W) |
| MUMBAI, 400080, INDIA Maharashtra India |
| (72)Name of Inventor : |
| 1)MR. PARIMAL HASMUKHLAL DESAI |
| 2)MR. NARENDRA JAGANNATH SALVI |
| 3)DR. BHARATKUMAR SURENDRA PATRAVALE |
| 4)DR. CHETAN LILADHAR SALUNKE |
| |
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| |

(57) Abstract :

The present invention provides a process for preparing 1-[3-[(E)-2-(7-chloro-2-quinoryl)vinyl]phenyl]ethanone of formula (A), which comprises condensation of 7-chloro-2-methyl-quinoline of formula (I) with 3-acetylbenzaldehyde of formula (II). The process is schematically represented as shown in Scheme-1 below- SCHEME 1 The present invention also provides a process for the preparing 3-acetylbenzaldehyde of formula (II). The process comprises reaction of Acetphenone with paraformaldehyde and aluminium chloride to form 1-[3-(chloromethyl)phenyl]ethanone. 1-[3- (chloromethyl)phenyl]ethanone is treated with hexamethylenetetramine in a chlorinated solvent to form 1-[3-(hexamethylenetetraaminomethyl)phenyi]ethanone chloride of formula (IIIa). SCHEME 2 Alternatively 1-[3-(chloromethyl)phenyl]ethanone is treated with base to from 1-[3- (hydroxymethyl)phenyl]ethanone of formula (IIIb). Compound of formula (IIIa) or (IIIb) is converted to 3-acetylbenzaldehyde of formula (II). The process is summarized as shown in scheme 2 above.

No. of Pages : 27 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :11/11/2014

:F16H61/66, (71)Name of Applicant : 1)Mahindra & Mahindra Ltd. F16H61/664 (51) International classification F16H15/32, Address of Applicant : Automotive & Farm Equipment Sector, Mahindra Towers, Dr. G.M. Bhosale Marg, Worli, Mumbai 400 F16 018 Maharashtra India (31) Priority Document No :NA (32) Priority Date (72)Name of Inventor: :NA (33) Name of priority country :NA 1)Mansinh Shamrao Kumbhar (86) International Application No :PCT// 2) Rajkumar Padmanna Bhagate Filing Date :01/01/1900 3)Ganesh Adiga (87) International Publication No : NA 4)Kiran Mohan (61) Patent of Addition to Application Number 5)Nikhil Shinde :NA Filing Date 6) Jagminder Singh :NA (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : TRANSMISSION HOUSING WITH A DAMPING MEANS

(57) Abstract :

A transmission housing with improved damping characteristics is provided. The transmission housing includes a plurality of hollow pockets and a plurality of polymer inserts. The polymer inserts are provided in the hollow pockets for damping, thereby reducing the vibration and noise produced during power transmission. Fig. 1

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

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CHLORINATED POLYVINYL CHLORIDE :B01J8/08, (71)Name of Applicant : **1)RELIANCE INDUSTRIES LIMITED** (51) International classification B01J8/38, C08F8/20, Address of Applicant :3rd Floor, Maker Chamber-IV 222, (31) Priority Document No Nariman Point, Mumbai-400021, Maharashtra, India Maharashtra :NA (32) Priority Date India :NA (33) Name of priority country :NA (72)Name of Inventor: (86) International Application No :NA **1)INGLE NINAD DEEPAK** Filing Date :NA 2)KAPADIA PRADEEP PARESH (87) International Publication No : NA **3)MUNSHI PRADIP 4)MATHUR AJIT BEHARI** (61) Patent of Addition to Application Number :NA Filing Date 5)JASRA RAKSH VIR :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present disclosure relates to an apparatus and a process for the preparation of chlorinated polyvinyl chloride (CPVC). The apparatus includes a chamber, at least one sparger and at least one agitator fitted in the chamber and a plurality of monochromatic radiation sources located outside the chamber to bring about photochlorination of polyvinyl chloride. The process includes reacting polyvinyl chloride (PVC) with chlorine in the presence of monochromatic radiation sources of wavelength ranging from 300 to 450 nm, under agitation at a speed ranging from 100 to 1600 rpm, for a time period ranging from 2 to 12 hours, to obtain CPVC.

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

(19) INDIA

(22) Date of filing of Application :11/11/2014

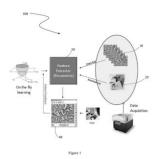
(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR A SPATIO-TEMPORAL NEURAL NETWORK FOR NON-MODULAR HIGH CONTENT PATHOLOGICAL SCREENING

| (31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NA | (71)Name of Applicant : 1)Savitribai Phule Pune University Address of Applicant :Department Of Technology, Savitribai Phule Pune University. Pune. MH India Maharashtra India (72)Name of Inventor : 1)Rajendra Shankar Talware 2)Aditya Shankar Abhyankar |
|--|---|
| Filing Date :NA | |

(57) Abstract :

Abstract The present invention is a system and method for a spatio-temporal neural The present invention is a system and method for a spatio-temporal neural network for non-modular high content pathological screening. The method includes following steps: obtaining images from various sources, annotating the images by medical expert through user interface, extracting features from the annotated images by a feature extractor, classifying lumen area on each of the annotated images, re-authenticating the classified lumen through user interface, exporting images in requisite format and training online and offline by user without user intervention. The annotating of images is manual The method also includes steps of data collection and domain expert support, de-noising of the noise that arises from straining process, morphological feature extraction and template based learning for classification and synthesis of images. The system for a spatio-temporal neural network for non-modular high content pathological screening includes, a high content screening (HCS) device, an annotating device, a feature extractor and a user interface. The HCS device provides data required for screening. The annotating device is used for annotation of the data by the medical expert practitioners by using a user interface to formulate ground truth and the feature extractor is used for providing stage I optics. The user interface is a display with server.



No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A SYSTEM AND METHOD FOR SCALABLE VIDEO CODING USING A WAVELET BASED ERROR RESILIENT PROBABILISTIC APPROACH

| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number :NA | Filing Date (87) International Publication No (61) Patent of Addition to Application Number | H04N7/26 :NA :NA :NA :NA :NA :NA :NA | , |
|---|---|---|---|
| Filing Date :NA | | | |
| (62) Divisional to Application Number :NA | (62) Divisional to Application Number | :NA | |
| Filing Date :NA | Filing Date | :NA | |

(57) Abstract :

The present invention is a method for scalable video coding using a wavelet based error resilient probabilistic approach for heterogeneous display devices with varied bit rate, quality and resolutions support, the method comprising steps of processing the video stream by using a system by using a parameter unsupervised model, acquiring channel parameters by using mixture model, updating algorithm for making scalable bit streams error resilient, computing the error parameters, and using stochastic approximation for mapping uncertainties leads to efficient error resilient video encoding.





No. of Pages : 18 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PREPARATION OF CHLORINATED POLYVINYL CHLORIDE

(57) Abstract :

The present disclosure relates to an apparatus and a process for the preparation of chlorinated polyvinyl chloride (CPVC). The apparatus includes a chamber (16), at least one sparger tube (12), at least one agitator (2) and at least two baffles (18) fitted in the chamber and a plurality of irradiation sources (20) fitted inside the baffles in order to bring about accelerated photochlorination of polyvinyl chloride. The process includes reacting polyvinyl chloride (PVC) with chlorine in the presence of irradiation of wavelength ranging from 250 and 550 nm and power ranging from 0.01 to 0.04 Watt/ g of PVC, under agitation at a speed ranging from 100 to 1600 rpm, for a time period ranging from 2 to 12 hours, to obtain CPVC.

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

(19) INDIA

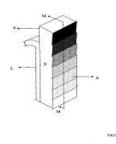
(22) Date of filing of Application :07/11/2014

| (51) International classification | : A61K1/00 | (71)Name of Applicant : 1)PATIL ATUL ASHA-PRABHAKAR |
|---|---------------|--|
| (31) Priority Document No | :NA | Address of Applicant : ATUL ASHA-PRABHAKAR PATIL, |
| (32) Priority Date | :NA | C/O P. O. PATIL, VINAYAK COMPLEX, NEAR VADODE |
| (33) Name of priority country | :NA | HOSPITAL, NEAR JALAMB NAKA, KHAMGAON-444303, |
| (86) International Application No | :NA | DIST.: BULDHANA, MAHARASHTRA, INDIA. Maharashtra |
| Filing Date | :NA | India |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)PATIL ATUL ASHA-PRABHAKAR |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : ORACULOUS STICKER/ORACULOUS GLOBULE

(57) Abstract :

Boundary layer separation, fluid flow losses, efficient control of fluid flow over a solid etc. are complex problems faced by engineers and technocrats. This invention provides a remedy over these problems. The invention provides a Process of making surface energy gradients to solve all above mentioned problems. Invention also provides a Tool of a Sticker having surface energy gradient (in appropriate direction) on it. With the surface energy gradient (in appropriate direction) the fluid could be made to adhere/detach the solid-body, direct the fluid in required direction and accelerate/decelerate fluid while flowing/moving over a solid-body. The tool of a Sticker S; a self-adhesive sheet/lamina, is to be pasted on the real solid-body. The Sticker S is a sheet/lamina of an adhesive material (plain adhesive substance or adhesive substance mixed with the particles or filaments) having 2 surfaces A and Y. The surface A could be wrapped into a wrapper (of any type) to protect it before its use or in between its different usages. The surface A is to be made in contact with the vapour/gas. The surface Y is sticky in nature and is used to paste the Sticker S to the real solid-body. The surface Y is covered with a lid L. While making the use of this Sticker S, the lid L is removed, the surface-sections like squares by means of which surface energy gradient (in appropriate direction) is formed to yield the desired result mentioned above. With the help of this Process and Tool of surface energy gradient, the fluid could be adhered/detached, directed, controlled, accelerated/decelerated by incorporating surface energy gradient (in appropriate direction). Provided solutions are economical, efficient and are easier and simpler to operate.



No. of Pages : 18 No. of Claims : 9

(22) Date of filing of Application :07/11/2014

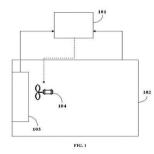
(43) Publication Date : 13/05/2016

(54) Title of the invention : CONTROLLING TRANSFER OF COOLING FROM A THERMAL ENERGY STORAGE TO A **REFRIGERATION COMPARTMENT**

| (51) International classification | :F24F5/00, F24D11/00, F25D17/02, | |
|---|--|---|
| (31) Priority Document No | :NA | NEXT TO GH CRANES AND BLUEDART, HINJEWADI PH- |
| (32) Priority Date | :NA | II, PUNE- 411057, MAHARASHTRA, INDIA. Maharashtra India |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)GUPTA, Devendra |
| Filing Date | :NA | 2)SINGHAL, Prateek |
| (87) International Publication No | : NA | 3)PANDEY, Vivek |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method and system for controlling transfer of cooling from a thermal energy storage to a refrigeration compartment using a fan in a refrigeration system is provided. The method can include the step of determining a fan speed at which the fan should operate to circulate air surrounding the thermal energy storage such that the circulating air transfers cooling from the thermal energy storage to the refrigeration compartment, wherein the fan speed can be determined based on one or a combination of a current temperature of the refrigeration compartment, a target temperature of the refrigeration compartment, and a measure of the amount of cooling capacity available in the thermal energy storage. The method can further include the step of issuing instructions to ensure that the fan operates at the determined fan speed.



No. of Pages : 18 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : CONTROLLING COOLING OF A REFRIGERATION COMPARTMENT AND A THERMAL ENERGY STORAGE IN A REFRIGERATION SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :F25B5/04, F25D11/00, F25B41/04, F25B4 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | |
|---|---|--|
|---|---|--|

(57) Abstract :

A method and system for controlling flow of a refrigerant via parallel pathways for supplying the refrigerant to a refrigeration compartment and a thermal energy storage in a variable speed compressor based refrigeration system that does not depend on battery backup is provided. The method can include the steps of a) determining a proportion of refrigerant that is to be supplied to the refrigeration compartment viz-a-viz the thermal energy storage based on a measure of a difference between a current temperature and a target temperature of the refrigeration compartment and a measure of a rate of cooling in the refrigeration compartment; and b) issuing instructions for opening or closing at least one valve, fully or partially, in at least one of the parallel pathways to enable flow of refrigerant as per the determined proportion.

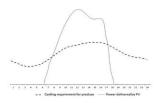


FIG. 1

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

| (12) PATENT APPLICATION PUBLICATION (19) INDIA | | (21) Application No.3545/MUM/2014 A |
|--|---|---|
| (22) Date of filing of Application :11/11/2014 | | (43) Publication Date : 13/05/2016 |
| (54) Title of the invention : A SYSTEM AND MET DETECTION FOR ROBUST IRIS RECOGNITION | | CONJUNCTIVAL VASCULATURE BASED LIVENESS |
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :G06K9/00 :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)Savitribai Phule Pune University Address of Applicant :Department Of Technology, Savitribai Phule Pune University Pune - MH India Maharashtra India (72)Name of Inventor : 1)Shrinivas Narhari Dharwadkar 2)Aditya Shankar Abhyankar 3)Yogesh Haribhau Dandawate |

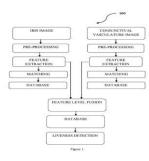
Filing Date (62) Divisional to Application Number Filing Date

(57) Abstract : Disclosed are a system and a method for a conjunctival vasculature based liveness detection system for robust iris recognition. The system and the method for a conjunctival vasculature based liveness detection system for robust iris recognition ascertains that iris images acquired are acquired from a live and authorized user present at the time of transaction. Further, the system and the method for a conjunctival vasculature based liveness detection system for robust iris recognition to remote authentication services performed over open networks where neither the end userTMs terminal nor the data transmission channels can be controlled by systems operator probabilistic model for motion estimation that supports for error resilient coding. Figure 1

:NA

:NA

:NA



No. of Pages : 18 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : UTILITY USER DATABASE

| (51) International classification | :G06F17/30 | (71)Name of Applicant : |
|---|------------|--|
| (31) Priority Document No | :NA | 1)IGATE GLOBAL SOLUTIONS LTD. |
| (32) Priority Date | :NA | Address of Applicant :IGATE Knowledge Park, IT1/IT2, TTC |
| (33) Name of priority country | :NA | Industrial Area, Thane-Belapur Road, Airoli, Navi Mumbai |
| (86) International Application No | :NA | 400708, India Maharashtra India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Jasjeet Singh Hanjrah |
| (61) Patent of Addition to Application Number | :NA | 2)Bipin Patwardhan |
| Filing Date | :NA | 3)Sanghamitra Mitra |
| (62) Divisional to Application Number | :NA | 4)Nilendra Chaudhari |
| Filing Date | :NA | |
| 6 | | 1 |

(57) Abstract :

A system uses utility user information to segment utility users into one or more of a plurality of segments (e.g., one or more of green initiative, electronic billing, and traditionalist, among other segments). Once in these segments, the utility may direct certain appropriate activities toward the utility users.

No. of Pages : 23 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A FEEDBACK MECHANISM FOR MOOD BASED INHERENT VOICE SENSING MECHANISM.

| (51) International classification (31) Priority Document No | : A61B5/01, G06Q30/02, A61B5/1455, :NA | (71)Name of Applicant : 1)RAJPAL SATISH Address of Applicant :8, MUNICIPAL STAFF QUARTERS, B/H. VASNA POLICE CHOWKY, VASNA, AHMEDABAD - |
|--|---|--|
| (32) Priority Date | :NA | 380 007, INDIA Gujarat India |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)RAJPAL RINKU |
| 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 feedback mechanism for mood based inherent voice sensing mechanism comprising: a voice receiving mechanism in order to receive a userTMs voice; a threshold defining mechanism configured to define a range for normal threshold for each of pre-defined pertinent attributes of a voice signal; a comparator adapted to compare instantaneous values of each of said pre-defined pertinent attributes with corresponding defined threshold values of each of said pre-defined pertinent attributes in order to check for breach in order to output a positive breach signal in case of breach; and a feedback mechanism configured to provide feedback to a user in case of receipt of a positive breach signal.

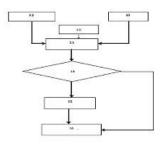


Figure 1

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

(19) INDIA

(22) Date of filing of Application :11/11/2014

(54) Title of the invention : AN ANGULARLY AND LATERALLY DISPLACEABLE SEAT FOR VEHICLES.

| | A AHMEDABAD, GUJARAT - 380 061 Gujarat India A (72)Name of Inventor : A 1)PATEL KHUSHKUMAR A A A A A |
|--|---|
| (62) Divisional to Application Number :NA Filing Date :NA | |

(57) Abstract :

An angularly and laterally displaceable seat for vehicles, said seat comprising: at least a second pair of parallel tracks orthogonal to an already existing at least a first pair of parallel tracks in said vehicle, which existing first pair facilitates operative to and fro motion, and which said at least a second pair extends out laterally in order to facilitate movement of said seat in a lateral and medial motion with respect to said vehicle; and at least an angular or a curved track beneath said seat in order to allow angular displacement of said seat.

12

No. of Pages : 19 No. of Claims : 7

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A HELMET ASSEMBLY AND ASSOCIATED EQUIPMENT FOR WORKERS IN A MINE.

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :A42B1/04, A42B3/06 :NA :NA :NA | (71)Name of Applicant : 1)KOTECHA HITESH Address of Applicant :5, PARAMKRUPA SOCIETY, NEAR ARUNACHAL SOCIETY SUBHANPURA VADODARA, GUJARAT - 390023, INDIA Gujarat India |
|---|---|---|
| (86) International Application No | :NA | 2)KHATRI SUNIL |
| Filing Date (87) International Publication No | :NA : NA | (72)Name of Inventor : 1)KOTECHA PREYANSH |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 2)KHATRI KARAN |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A helmet assembly and associated equipment for workers in a mine, said helmet comprising: a SOS signal transmitter configured to express distress or hazard; a transceiver configured to transmit and receive instructions to a group of workers wearing said helmet; a GPS tracking system configured to determine location of worker wearing said helmet; and a path detection mechanism configured to send out a beam of light in order to show a path; and gas detector configured to detect gas leak.

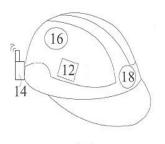


Figure 1 No. of Pages : 11 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :05/11/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : WASHED DOWN TOW | EL | |
|---|-------|--|
| (51) International classification | 11/00 | (71)Name of Applicant : 1)Welspun India Limited |
| (31) Priority Document No | :NA | Address of Applicant :Welspun House, 6th Floor, Kamala |
| (32) Priority Date | :NA | City, Senapati Bapat Marg, Lower Parel, Mumbai 4000 13 |
| (33) Name of priority country | :NA | Maharashtra India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Dipali Goenka |
| (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 washed down fabric article and a process for treating a fabric article for producing the washed or faded effect is disclosed. The process may include fixing a dye onto the fabric article, discharging a portion of the dye with non-abrasive tumbling elements that includes a bleaching agent. The process further comprises neutralizing the bleaching agent with a neutralizer, and stabilizing the final color of the fabric article. FIG. 5

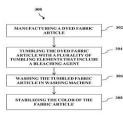


FIG. 5

No. of Pages : 33 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD FOR CONTROLLING A PLURALITY OF INVERTER COMPRESSORS OF A REFRIGERANT SYSTEM AT INTEGRATED PART LOAD AND A REFRIGERANT SYSTEM THEREOF

| (51) International classification | F25B49/02, F25B7/00 | (71)Name of Applicant : 1)Blue Star Limited Address of Applicant :Kasturi Buildings, Mohan T. Advani |
|---|------------------------|---|
| (31) Priority Document No | :NA | Chowk, Jamshetji Tata Road, Mumbai 400 020, Maharashtra, |
| (32) Priority Date | :NA | India Maharashtra India |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :PCT// | 1)Indraneel Samanta |
| Filing Date | :01/01/1900 | 2)Sheetal M. Kulkarni |
| (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 TITLE .: A METHOD FOR CONTROLLING A PLURALITY OF INVERTER COMPRESSORS OF A

REFRIGERANT SYSTEM AT INTEGRATED PART LOAD AND A REFRIGERANT SYSTEM THEREOF The present invention provides a method for controlling a plurality of inverter compressors of a refrigerant system at integrated part load and a refrigerant system thereof. The system includes at least two inverter compressors (102A, 102B) having same or different capacities; and a controller (104) for controlling a plurality of inverter compressors (102A, 102B) at integrated part load. The controller is configured for determining a dynamic load required by the refrigerant system; determining capacity required to be delivered by each compressor based upon peak efficiency of each compressor; and energizing the compressors by distributing load depending upon capacity of each compressor, such that each compressor is operated at peak efficiency thereby maximizing the efficiency of the refrigerant system. Figure of Abstract : Fig. 1

No. of Pages : 15 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :07/11/2014

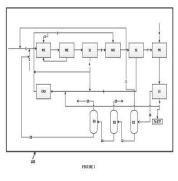
(43) Publication Date : 13/05/2016

(54) Title of the invention : IONIC COMPOUND BASED TRANS-ALKYLATION PROCESS. •

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :A61K 9/16 :NA :NA :NA | (71)Name of Applicant : 1)RELIANCE INDUSTRIES LIMITED Address of Applicant :3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai 400 021, Maharashtra, India Maharashtra India |
|--|------------------------------------|--|
| (86) International Application No | :NA :NA | (72) Name of Inventor : |
| Filing Date | :NA | 1)Viswanath Kotra |
| (87) International Publication No | : NA | 2)Mangesh Sakhalkar |
| (61) Patent of Addition to Application Number | :NA | 3)Pavankumar Aduri |
| Filing Date | :NA | 4)B. Suresh Iyengar |
| (62) Divisional to Application Number | :NA | 5)Rahul Dhawade |
| Filing Date | :NA | 6)Parasuveera Uppara |

(57) Abstract :

ASBTRACT The present disclosure relates to a transalkylation process for conversion of heavy aromatic compounds to light alkyl aromatic compound using liquid salt, such as but not limiting to ionic liquid compound. In another embodiment, the ionic liquid compound is an amine and metal salt based ionic liquid compound. The instant disclosure also relates a system for the transalkylation process in the presence of the ionic liquid compound.



No. of Pages : 29 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :10/11/2014

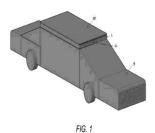
(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS AND TOOL FOR ASSISTIVE CHARGING FOR PLUG-IN HYBRID ELECTRIC VEHICLES AND USERS THEREOF

| (51) International classification | :G06F3/0484, G06F3/01, G06F3/0481 | (71)Name of Applicant : 1)Gaurav Chingale Address of Applicant :'Chingale Hospital' 453 Shaniwar Peth |
|---|---|---|
| (31) Priority Document No | :NA | Karad, Dist - Satara, Maharshtra. Pin Code -415110 Maharashtra |
| (32) Priority Date | :NA | India |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)Gaurav Chingale |
| 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 invention proposes to charge the batteries of the electric cars during their operation. The said invention decreases the rate of discharging and in return increases the charge-efficiency of the car. This helps in assistive charging of the batteries, and is carried out in two ways. 1. The solar photovoltaic panels on the roof provide the base charging continuously, 2. The novel dynamic wind charger (DWC) helps in generating electric current when the car is in operation. The wind is channelized through the DWC design to rotate the vertical axis turbines of the DC alternator. The drag of the wind is reused by the DWC unit which is put in series with the first unit. Total 4 DWC units are placed on the car roof in this design as per the available space on the convention car-roof, but the number of units that can be used in series with one another can be increased if more surface area is available on the vehicle roof. This assistive charging tool using the DWC units can be effectively used in trucks, ships and trains which have larger surface area available on the roofs.



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

(22) Date of filing of Application :10/11/2014

(21) Application No.3525/MUM/2014 A

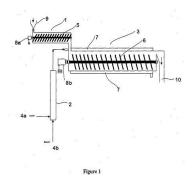
(43) Publication Date : 13/05/2016

(54) Title of the invention : CONTINUOUS COOKING SYSTEM

| | :A47J27/14, | (71)Name of Applicant : |
|---|-------------|--|
| (51) International classification | A47J27/16, | 1)PANDIT; ANIRUDDHA BHALCHANDRA |
| | A23L1/10 | Address of Applicant :DEPARTMENT OF CHEMICAL |
| (31) Priority Document No | :NA | ENGINEERING, INSTITUTE OF CHEMICAL TECHNOLOGY |
| (32) Priority Date | :NA | (DEEMED UNIVERSITY), NATHALAL PAREKH MARG, |
| (33) Name of priority country | :NA | MATUNGA (EAST) MUMBAI 400 019, INDIA Maharashtra |
| (86) International Application No | :NA | India |
| Filing Date | :NA | 2)PATEL; SHIRISH BHAILAL |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)PANDIT; ANIRUDDHA BHALCHANDRA |
| Filing Date | :NA | 2)PATEL; SHIRISH BHAILAL |
| (62) Divisional to Application Number | :NA | 3)SHINDE; YOGESH HANUMANT |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a Continuous Cooking System comprising of a feeding section, a cooking section, and a heating means, wherein there is provided a hallow jacket covering the cooking section for directing heat energy supplied by said heating means. The present invention provides a cooking system for continuous cooking of cereal grain, lentils and eatable with water, wherein heat is supplied to this mixture in such a way that the cooking occurs at desired rates and desired physico-chemical changes are brought about with simultaneous heat transfer, water absorption and as a result, swelling, giving different texture.



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

(19) INDIA

(22) Date of filing of Application :10/11/2014

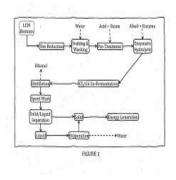
(43) Publication Date : 13/05/2016

(54) Title of the invention : PREPARATION OF ETHANOL FROM LIGNOCELLULOSIC MATERIALS BY CO-FERMETATION.

| (51) International classification | :C13K13/00, C12P7/10, C13K1/02 | (71)Name of Applicant : 1)PRAJ INDUSTRIES LIMITED Address of Applicant :PRAJ TOWER, 274-275, BHUMKAR |
|---|--------------------------------------|--|
| (31) Priority Document No | :NA | CHOWK - HINJEWADI ROAD, HINJEWADI, PUNE - 411057, |
| (32) Priority Date | :NA | INDIA. Maharashtra India |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MOHAN BABU |
| Filing Date | :NA | 2)ANILKUMAR RAI |
| (87) International Publication No | : NA | 3)TUSHAR RAMDAS SABALE |
| (61) Patent of Addition to Application Number | :2596/MUM/2013 | 4)GEETANJALI SWAROOP WAKADE |
| Filed on | :06/08/2013 | 5)MANDAR SACHIDANAND DESHPANDE |
| (62) Divisional to Application Number | :NA | 6)RAVIKUMAR RAO PALLINTI |
| Filing Date | :NA | 7)ANAND RAMESHCHANDRA GHOSALKAR |

(57) Abstract :

The invention relates to a process and system for the preparation of ethanol from lignocellulosic materials and more particularly from lignocellulosic materials like corncob, corn stover, sugarcane bagasse or any other lignocellulosic materials using and method of co-fermentation.



No. of Pages : 24 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :10/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : MN-NI-SN BASED FULL HEUSLER ALLOYS FOR LOW TEMPERATURE EXCHANGE BIAS APPLICATIONS

| | :C22C1/02, | (71)Name of Applicant : |
|---|------------|---|
| (51) International classification | B22D11/06, | 1)Indian Institute of Technology, Bombay |
| | C22C22/00 | Address of Applicant : Powai, Mumbai 400076, Maharashtra, |
| (31) Priority Document No | :NA | India Maharashtra India |
| (32) Priority Date | :NA | (72)Name of Inventor : |
| (33) Name of priority country | :NA | 1)Suresh Krishna Warrier |
| (86) International Application No | :NA | 2)Jyoti Sharma |
| 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 Mn-Ni-Sn based full Heusler alloys for low temperature giant exchange bias applications The present invention relates to an intermetallic alloy series having a large exchange bias effect, comprising the formula Mn50Ni42-dSn8+d (d = 0, -0.25 and ± 0.5) wherein d represents an atomic percentage content. The present invention further relates to a process for the preparation of intermetallic alloy series having a large exchange bias effect, comprising the formula Mn50Ni42-dSn8+d (d = 0, -0.25 and ± 0.5) by arc melt technology.



Fig 1

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

(19) INDIA

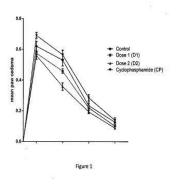
(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : MALAXIS ACUMINATA EXTRACT, A PROCESS FOR PREPARING THE SAME AND IMMUNOMODULATORY PRODUCT CONTAINING MALAXIS ACUMINATA EXTRACT

(57) Abstract :

The present invention provides Malaxis acuminata extract and a process for preparing the same. The present invention also provides immunomodulatory product containing Malaxis acuminata extract.



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

(19) INDIA

(22) Date of filing of Application :07/11/2014

(54) Title of the invention : A TOPICAL FORMULATION FOR TREATING NAIL DISORDERS

| (51) International classification | A61K3 | (71)Name of Applicant : 1)SURYAVANSHI KIRAN ARUN Address of Applicant :AUDUMBAR, BUNGALOW NO. D-1, SAI SHRADDHA COLONY, NARHARI NAGAR, PATHARDI PHATA, NASHIK-422010 Maharashtra India |
|---|-------|--|
| (31) Priority Document No | :NA | (72)Name of Inventor : |
| (32) Priority Date | :NA | 1)SURYAVANSHI KIRAN ARUN |
| (33) Name of priority country | :NA | 2)RAMESH GANAPATI KATEDESHMUKH |
| (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 a topical formulation for treating nail disorders. The formulation comprises fluconazole, at least one film forming agent, at least one plasticizer, at least one penetrating enhancer, particularly thioglyocolic acid and hydrogen peroxide; and a mixture of n-butyl acetate and isopropyl alcohol in specific proportions which synergistically enhances the % of drug penetration through nail plate.

No. of Pages : 30 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/11/2014

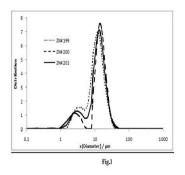
(43) Publication Date : 13/05/2016

| | :C07D301/00, | (71)Name of Applicant : |
|---|--------------|--|
| (51) International classification | B01J2/02, | 1)Indian Oil Corporation Limited |
| | B01J35/08, | Address of Applicant :G-9, Ali Yavar Jung Road, Bandra |
| (31) Priority Document No | :NA | (East), Mumbai-400 051, India Maharashtra India |
| (32) Priority Date | :NA | (72)Name of Inventor : |
| (33) Name of priority country | :NA | 1)SINGH, Gurmeet |
| (86) International Application No | :NA | 2)KAUR, Sukhdeep |
| Filing Date | :NA | 3)BANTU, Bhasker |
| (87) International Publication No | : NA | 4)KUMAR, Naresh |
| (61) Patent of Addition to Application Number | :NA | 5)SHASHIKANT |
| Filing Date | :NA | 6)KAPUR, Gurpreet Singh |
| (62) Divisional to Application Number | :NA | 7)BASU, Biswajit |
| Filing Date | :NA | 8)MALHOTRA, Ravinder Kumar |

(54) Title of the invention : CATALYST PROCESS FOR SPHERICAL PARTICLES

(57) Abstract :

Abstract of the Invention The present invention describes a process for preparing spherical particles of a catalyst composition, the process comprising contacting an organomagnesium precursor with a transition metal compound in presence of an internal donor to obtain a reaction mixture. Thereafter heating the reaction mixture from a first pre-determined temperature to a second pre-determined temperature and then heating the reaction mixture from second pre-determined temperature to a third pre-determined temperature to obtain spherical particles of the catalyst composition. The present invention also relates to a process for preparing of a spherical catalyst system from said spherical catalyst composition and preparing a spherical polyolefins having free flowing characteristics with bulk densities (BD) of at least about 0.4 g/cc from the spherical catalyst system.



No. of Pages : 41 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :11/11/2014

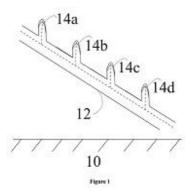
(43) Publication Date : 13/05/2016

(54) Title of the invention : A WATER DISPENSING ASSEMBLY CATERING TO PERSONS OF VARYING HEIGHTS.

| (61) Factor of Addition to Application Number :NA (62) Divisional to Application Number :NA Filing Date :NA | (51) International classificationB65G4'(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NA | (71)Name of Applicant : (722) (722) (722) (722) (72)Name of Applicant :8/52, LIMDIPURA THAKOR VAAS, PO-BORU, TALUKA - MANSA, DIST. GANDHINAGAR, GUJARAT - 382845, INDIA Gujarat India (72)Name of Inventor : (72)Name of Inventor : (72)Name of Inventor : |
|---|---|--|
|---|---|--|

(57) Abstract :

A water dispensing assembly catering to persons of varying heights, said assembly comprising: at least an inclined pipe with a plurality of openings along the length of said pipe, said openings being connected to secondary pipes for further being connected to water dispensing outlets, thereby providing different water dispensing outlets at different heights. Another embodiment is also disclosed which is a water dispensing assembly catering to persons of varying heights, said assembly comprising: at least a straight pipe with a plurality of openings along the length of said pipe, said openings being connected to secondary pipes of varying length for further being connected to water dispensing outlets, thereby providing different water dispensing outlets at different heights.



No. of Pages : 16 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :11/11/2014

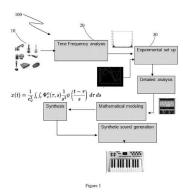
(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR CHARACTERIZATION AND SYNTHESIS OF INDIAN TONAL MUSICAL SOUNDS THROUGH FRAMEWORK OF ANALYTICAL MODELING

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G10H3/26, G10H1/00, G10H1/08 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)Savitribai Phule Pune University Address of Applicant :Department Of Technology, Savitribai Phule Pune University. Pune MH India Maharashtra India (72)Name of Inventor : 1)Aditya Shankar Abhyankar 2)Abhijit Vijaykumar Chitre |
|---|---|--|
|---|---|--|

(57) Abstract :

The present invention is a system and method for characterization and synthesis of Indian tonal musical sounds through framework of analytical modeling. The method includes steps as analyzing instrument patterns by capturing signals from the instrument using different sensors. After that, mathematical modeling of the instrument for synthesizing of instrument pattern and synthesizing sound generation is done. The mathematical modeling of the instrument further comprises wave generation and wave analysis. The user interface used in the present invention is a display. The system for characterization and synthesis of Indian tonal musical sounds through framework of analytical modeling includes a musical instrument, a frequency analyzer for analyzing the frequency generated by the musical instrument, an experimental setup for analysis and synthesis of musical patterns. The musical instrument in the system of the present invention can be a sitar, harmonium and flute.



No. of Pages : 17 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A CAMERA-EQUIPPED MOBILE PHONE BASED PATHOLOGICAL MICROSCOPE ASSEMBLY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | : H04M1/02, G02B21/36, G02B21/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)GANTAYET LALIT Address of Applicant :4A, DIVYAJYOTI CHSL, PLOT NO - 51, SECTOR 29, VASHI, NAVI MUMBAI 400705 MAHARASHTRA, INDIA Maharashtra India 2)SINGH SUNITA (72)Name of Inventor : 1)GANTAYET LALIT 2)SINGH SUNITA |
|---|---|---|
|---|---|---|

(57) Abstract :

A camera-equipped mobile phone based pathological microscope assembly comprising: at least a customised platform configured to hold a camera equipped mobile phone in line with at least an opticsTM and opto-mechanical device in line with a photo-capturing aperture of said mobile phone, at least a slide in line with a photo-capturing aperture of said mobile phone, at least a condenser lens in line with a photo-capturing aperture of said mobile phone, at least a condenser lens in line with a photo-capturing aperture of said mobile phone.

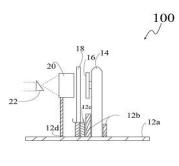


FIGURE 1

No. of Pages : 22 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :11/11/2014

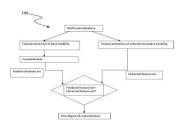
(43) Publication Date : 13/05/2016

(54) Title of the invention : A SYSTEM AND METHOD FOR PROVIDING CONNECTIONISM AMONGST BIOMETRIC MODALITIES THROUGH INTELLIGENT FRAMEWORK FOR EXTENDED BIOMETRIC APPLICATIONS

| (51) International classification | :G06Q40/00 | (71)Name of Applicant : |
|---|------------|--|
| (31) Priority Document No | :NA | 1)Savitribai Phule Pune University |
| (32) Priority Date | :NA | Address of Applicant :Department Of Technology, Savitribai |
| (33) Name of priority country | :NA | Phule Pune University. Pune MH India Maharashtra India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Aditya Shankar Abhyankar |
| (87) International Publication No | : NA | 2)Rashmi Amit Apte |
| (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 is a method for providing connectionism amongst biometric modalities through intelligent framework for extended biometric applications, the method includes following steps: Studying of biometric modalities and various fusion methodologies, understanding of various underlying philosophy of fusion methodologies at various levels, collecting data for the base and secondary modalities, developing a feature extractor for base modality, extracting the features that could probably be used to establish connectionism Once the base modality is fixed, developing feature extractors for the selected secondary modalities, extracting probable features that could be significant for probable mapping, studying and examining every feature of both base and the secondary modalities, defining a standard for base modality feature set, defining a feature set for the selected modalities that would be used for establishing connectionism, selecting the most significant features to build the feature set after experimentation, developing an algorithm to study the degrees of connectionism among base modality and selected secondary modalities, extracting the underlying mapping with rigorous experimentation amongst the feature sets of base and secondary modalities, developing test bed and evaluation mechanism, evaluating mechanism evaluate and derive the performance in terms of degrees of connectionism and prediction accuracy and testing and evaluating the system with a huge database.



Figure

No. of Pages : 24 No. of Claims : 2

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A SYSTEM AND METHOD FOR A HOMOGRAPHY BASED HYBRID MIXTURE MODELS FOR **REHAB ENGINEERING**

| (51) International classification | :G06T7/00, H04N5/262. | (71)Name of Applicant : 1)Savitribai Phule Pune University |
|---|--------------------------|---|
| (51) International elassification | H04N5/232. | |
| (31) Priority Document No | :NA | Phule Pune University. Pune Maharashtra India |
| (32) Priority Date | :NA | (72)Name of Inventor : |
| (33) Name of priority country | :NA | 1)Tushar Ramhari Jadhav |
| (86) International Application No | :NA | 2)Aditya Shankar Abhyankar |
| Filing Date | :NA | 3)Anuja Abhijit Phadke |
| (87) International Publication No | : NA | 4)Bhagwat Pandharinath Patil |
| (61) Patent of Addition to Application Number | :NA | 5)Kulbir Singh |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed are a system and a method for homography based hybrid mixture models for rehab engineering. The method for homography based hybrid mixture models for rehab engineering comprises steps of image capturing, image segmentation, computing a homography matrix from each segmented object, and projecting / voxel mapping each segmented object separately for constructing a three dimensional projection/ hybrid model of the entire image. The system and the method for homography based hybrid mixture models for rehab engineering provide a vision based solution, a mathematical model for 2D to 3D projection, data collection, camera calibration and homography calculation as well as a design of a framework for hybrid approach by integrating homography and voxel mapping techniques.

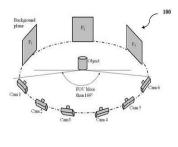


Figure 5

No. of Pages : 28 No. of Claims : 4

(19) INDIA

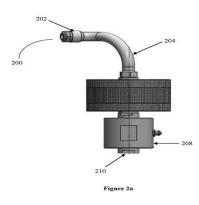
(22) Date of filing of Application :05/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : EMBEDDED SPRINKLER ACTIVATED GENERATOR :A62C (71)Name of Applicant : (51) International classification 1)Jain Irrigation Systems Limited 37/00 (31) Priority Document No Address of Applicant : Jain Plastic Park, NH No. 6, Bambhori, :NA (32) Priority Date Jalgaon 425001 Maharashtra India :NA (33) Name of priority country (72)Name of Inventor: :NA (86) International Application No 1)Michael Patrick DeFrank :NA Filing Date :NA 2)Ajit Bhavarlal Jain (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 an embedded sprinkler system. The embedded sprinkler system comprises a stator, and a rotor, embedded in the embedded sprinkler system. The rotor may further be integrated with a sprinkler arm. Further the sprinkler arm may be connected to a nozzle allowing for a fluid to flow through. The sprinkler arm may inherently have an angle.



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

(19) INDIA

(22) Date of filing of Application :06/11/2014

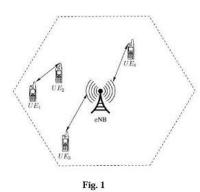
(43) Publication Date : 13/05/2016

(54) Title of the invention : INTERFERENCE AWARE OPTIMAL UPLINK SCHEDULING FOR DEVICE-TO-DEVICE COMMUNICATION UNDERLYING LTE NETWORKS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 Maharashtra India (72)Name of Inventor : 1)PANIGRAHI, Bighnaraj 2)RATH, Hemant Kumar 3)SIMHA, Anantha |
|--|--|--|
| | | |

(57) Abstract :

A method and system is provided for scheduling interference aware optimal uplink for device-to-device communication underlying LTE networks. The present application provides a method and system for scheduling interference aware optimal uplink for device-to-device communication underlying LTE networks, comprises registering a plurality of users equipment (UEs) with a single cell with one Evolved Node B (eNB) over the Long Term Evolution (LTE) network; initiating connection by the plurality of users equipment (UEs) with Evolved Node B (eNB); discovering device-to-device (D2D) communication between the actively connected plurality of users equipment (UEs); segregating the actively connected plurality of users equipment (UEs); and scheduling the two-phase interference aware optimal uplink for device-to-device communication for segregated actively connected device-to-device (D2d) and cellular users by the Evolved Node B (eNB), underlying the Long Term Evolution (LTE) network.



No. of Pages : 28 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :06/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : EFFICIENT FRAMEWORK FOR DEPLOYING MIDDLEWARE SERVICES

| (51) International classification | ·G06F15/177 | (71)Name of Applicant : |
|---|--------------------|---|
| (31) Priority Document No | :000115/177 :NA | 1)IGATE GLOBAL SOLUTIONS LTD. |
| (32) Priority Date | :NA | Address of Applicant : IGATE Knowledge Park, IT1/IT2, TTC |
| (33) Name of priority country | :NA | Industrial Area, Thane-Belapur Road, Airoli, Navi Mumbai |
| (86) International Application No | :NA | 400708, India Maharashtra India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Preetha Rajasekhar |
| (61) Patent of Addition to Application Number | :NA | 2)Surendra Yelavarthi |
| Filing Date | :NA | 3)Soumitra Puthran |
| (62) Divisional to Application Number | :NA | 4)Rahul Murudkar |
| Filing Date | :NA | |

(57) Abstract :

A system and method of improving efficiency of developing computer program code in a heterogeneous computing environment are disclosed. A code generation computer provides template program code for a generic network service that includes a plurality of predefined service components, such as a message cache, a message logger, a service virtualization component, a service monitor, a message format transformer, a stub component, a command component, and a service availability component. The code generation computer receives requests for new network services and applies configuration information in the requests to generate new network services that connect to existing services in the computing environment. This permits rapid deployment of virtual services in a complex enterprise system. During use of the new network service, business logic is updated.

No. of Pages : 19 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :06/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : A CLEANING KIT AND PROCESS FOR CLEANING ROTATING WIND TURBINE BLADES

| (51) International classification:F03D1/00, F03D11/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:PCT/// Filing Date(87) International Publication No: NA(61) Patent of Addition to Application Number Filing Date:NA(62) Divisional to Application Number Filing Date:NA(63) Date:NA(64) Patent of Addition to Application Number Filing Date:NA(65) Divisional to Application Number Filing Date:NA | Address of Applicant :One Earth, Opposite Magarpatta City, Hadapsar Pune 411028, Maharashtra, India Maharashtra India (72) Name of Inventor : 1) Hitesh Nanda |
|---|--|
|---|--|

(57) Abstract :

ABSTRACT TITLE.: A CLEANING KIT AND PROCESS FOR CLEANING ROTATING WIND TURBINE BLADES A kit and a process for cleaning rotating turbine blades is disclosed. The kit includes a plurality of sensors, a plurality of guns, at least two tanks that are placed in a carriage. The guns are positioned at a predefined altitude relative to the tower of the wind turbine and in a predefined direction. Mist is sprayed from the guns at predefined heights as per the prediction of the wind speed based on the historic data. A cleaning cycle of the rotating wind turbines includes spraying pressurized mist on the rotating blades from a predefined direction and height.

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

(22) Date of filing of Application :06/11/2014

(21) Application No.3502/MUM/2014 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : An apparatus and method for three stage pyrolysis and recovery of up-gradated carbon black

| | :C10G1/10, | (71)Name of Applicant : |
|---|-------------|--|
| (51) International classification | C10B53/00, | 1)Dr. Shailesh Vallabhdas Makadia |
| | C10G1/00, | Address of Applicant :Plot no. 2621/2622, Gate NO. 1, Road |
| (31) Priority Document No | :NA | D/2, Lodhika GIDC, Kalawad Road, PO Metoda, Dist. Rajkot. |
| (32) Priority Date | :NA | (Gujarat), India Gujarat India |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :PCT// / | 1)Dr. Shailesh Vallabhdas Makadia |
| 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 | |
| | | • |

(57) Abstract :

A system for three stage pyrolysis of wastes, tires, municipal solid wastes, electronic wastes and plastics and recovery of up gradated carbon black, comprising primary pyrolysis reactor (2), secondary pyrolysis reactor (15), tertiary pyrolysis reactor (19), Hydro carbon inline cleaning system (8), scrubber (9), condensers (10), cooling system (23), separator-1 (7) separator-2 (7), grinding unit (27), granulating unit (28), back packing unit (29). The carbon black (30) produced in primary rector (2) is transferred to secondary reactor (15) for secondary pyrolysis and after the second stage pyrolysis produced carbon black (32) is transferred to tertiary reactor (19) for tertiary pyrolysis. The carbon black (13) recovered from the product gases (31) after scrubbing process is transferred to tertiary reactor (19) for pyrolysis. The green oil (12) produced after condensing of produced gases in pyrolysis process is used as energy sources and non-condensable gases (11) are reused in burners (5) as fuel. Fig.1

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

(19) INDIA

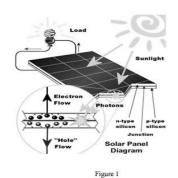
(22) Date of filing of Application :05/11/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SOLAR BATTERY FOR | R MOBILE PH | IONES |
|---|-------------|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : (71)Dr. Vrushali Ravindra Kinhikar Address of Applicant :22, Gayatrinagar, Nagpur 22. Near IT Park Maharashtra India 2)Mr. Ravindra G. Kinhikar (72)Name of Inventor : 1)Dr. Vrushali Ravindra Kinhikar 2)Mr. Ravindra G. Kinhikar |

(57) Abstract :

Present invention provides a system which uses the solar energy for charging of mobile phones at any place. For this purpose present invention provides a solar battery which can be easily assembled with the mobile phones so that the user can get the convenience of charging his mobile unit at any place with the help of solar energy without depending on charging point or conventional sources. Following invention is described in detail with the help of figure 1 of sheet 1 showing solar panel assembly.



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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :05/11/2014

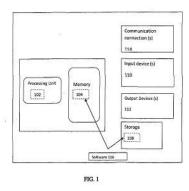
(43) Publication Date : 13/05/2016

(54) Title of the invention : A SYSTEM AND METHOD FOR SIMULATION BY REVITALIZATION OF ELECTRONIC WASTE AND SOFTWARE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | 17/00 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)MR. ANSHUL KOSARWAL Address of Applicant :261, KALANI NAGAR, AIRPORT ROAD, INDORE - 452 005 MADHYA PRADESH, INDIA Madhya Pradesh India 2)MR. RAHUL KOSARWAL (72)Name of Inventor : 1)MR. RAHUL KOSARWAL |
|---|--|---|
| | : NA :NA | 1)MR. RAHUL KOSARWAL 2)MR. ANSHUL KOSARWAL |
| Filing Date | :NA | 2)WR. ANDIOL KODAKWAL |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a method and system for simulation by revitalization of software and electronic waste which involves receiving a software and electronic waste a source and identified for the available parameters in the software and the electronic waste. Also, the requisite parameters are identified for simulation process. An aim check list is prepared from the selected and identified available and requisite parameters and based on the aim check list software and electronic waste are revitalized in order to get a simulated model as per the selected parameters and aim check list. The present invention involves revitalization of software, process and electronic waste. The output may be in the form of a plug and play device.



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

(19) INDIA

(22) Date of filing of Application :05/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : PASSIVE STATIONARY ROOF VENTILATOR

(57) Abstract :

The present invention provides a novel roof ventilator which accelerates the process of natural ventilation meant for removing air, gases from enclosed spaces like homes, factories, go-downs etc by the help of wind energy and being static means stationery means having no moving parts, passive means without any other form of external energy other than natural wind energy. Following invention is described in detail with the help of Sheet 1 through sheet-4 in Figure-1,2,3,4,5 and 6 showing various views of the said ventilator.

No. of Pages : 16 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :06/11/2014

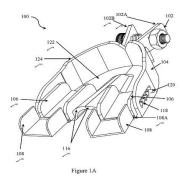
(43) Publication Date : 13/05/2016

(54) Title of the invention : AN ADJUSTABLE TRAY SYSTEM FOR GETTING DENTAL IMPRESSION

| (51) International classification | ·A61C9/00 | (71)Name of Applicant : |
|---|-----------|---|
| (31) Priority Document No | :NA | 1)JADHAV AMIT BAJIRAO |
| (32) Priority Date | :NA | Address of Applicant : ANNUPAM [™] PLOT NO-10, |
| (33) Name of priority country | :NA | LAHOTI HOUSES, MANGALWAR PETH, KARAD, |
| (86) International Application No | :NA | DISTRICT -SATARA-41511, MAHARAHTRA, INDIA |
| Filing Date | :NA | M harashtra India |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)JADHAV AMIT BAJIRAO |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An adjustable dental impression tray for making impressions of dentulous maxillary and mandibular jaws comprises a holding element, and an inverted U-shaped bracket pivotally connected to the holding element, wherein the arms of the U-shaped bracket are laterally displaceable to vary the entrained angle between the arms. Two first C-shaped channel elements are slidably securable to the free ends of the arms of the bracket to permit the extension of the channel elements sagitally with respect to the bracket. The tray further comprises two second C-shaped channel elements hinged at the free ends of each of the first C-shaped channel elements to permit three dimensional configuration of the tray in the horizontal, sagittal, and vertical planes. Fig.1A



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

(19) INDIA

(22) Date of filing of Application :06/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : SELECTION OF ELECTROENCEPHALOGRAPHY (EEG) CHANNELS TO DETERMINE COGNITIVE LOAD OF A SUBJECT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :NA :NA :PCT// :01/01/1900 : NA :NA | 2)SINHA, Aniruddha 3)DAS, Diptesh |
|--|--|---|
| Filing Date | :NA | 3)DAS, Diptesh 4)CHATTERJEE, Debatri |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed is selection of Electroencephalography (EEG) channels valid for determining cognitive load of subject. EEG signals obtained from EEG channels associated with subject performing cognitive tasks are received. Time-frequency features of EEG signals extracted for a frequency band comprise maximum energy value, minimum energy value, average energy value, maximum frequency value, minimum frequency value, and average frequency value. Weight of EEG channel associated with time-frequency feature is derived using statistical learning technique. Binary value for EEG channel corresponding to time-frequency feature is assigned using weight of EEG channel associated with time-frequency feature. Intersection of binary values of EEG channels corresponding to maximum energy value and average energy value, minimum energy value and average energy value, maximum frequency value and average frequency value, and minimum frequency value and average frequency value are computed. Union of intersections is computed. Union represents EEG channels valid to determine cognitive load of subject.

No. of Pages : 46 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :09/01/2013

| (54) Title of the invention : SPRING BAND CLIP | | |
|--|-----------------------|--|
| | | |
| (51) International classification | :F16L | (71)Name of Applicant : |
| (31) Priority Document No | :10 2012 000 717.5 | 1)NORMA GERMANY GMBH Address of Applicant :EDISONSTRASSE 4, 63477 |
| (32) Priority Date | :14/01/2012 | MAINTAL Germany |
| (33) Name of priority country | :Germany | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)KRAUCH, KARLHEINZ |
| 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 invention relates to a spring band clip (1) with a curved annular clip band (2) having a first end portion (3) and a second end portion (4), between which an overlapping region (5) is formed. In order to achieve simple installation with low production cost for the spring band clip, the spring band clip (1) has a locking device (6), which is integrated at least partially into the first end portion (3), whereby the locking device (6) can be locked with the spring band clip (1) in an expanded state. Figure 1

No. of Pages : 14 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/01/2013

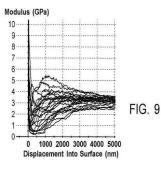
(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESSING CONDITIONS FOR MANUFACTURING BIOABSORBABLE STENTS

| (51) International classification | n:B23K26/40,B23K26/06,A61F2/90 | (71)Name of Applicant : |
|---|-----------------------------------|---|
| (31) Priority Document No | :12/797950 | 1)ABBOTT CARDIOVASCULAR SYSTEMS INC. |
| (32) Priority Date | :10/06/2010 | Address of Applicant :3200 Lakeside Drive S 314 Santa Clara |
| (33) Name of priority country | :U.S.A. | California 95054 U.S.A. |
| (86) International Application No Filing Date | :PCT/US2011/039556 :08/06/2011 | (72)Name of Inventor :1)HARRINGTON Joel2)VAUGHAN Ryan |
| (87) International Publication No | :WO 2011/156449 | 3)JOW Kevin 4)PIPPEY William |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 5)CHEN Yung Ming |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention involves laser machining polymer substrates to form a stent with laser parameters that minimize damage to the substrate in a surface region adjacent to the machined edge surface. The wavelength and pulse width are selected for this unique application and they can be controlled to minimize the surface modifications (such as voids cracks which are induced by the laser material interaction) which contribute to the variation in mechanical properties with distance from the edge surface bulk mechanical properties or a combination thereof.



No. of Pages : 40 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR VIDEO EPISODE VIEWING AND MINING

| (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (34) STAR (1990) (35) Name of priority country (36) International Application No (37) International Publication Number (37) Filing Date (38) International to Application Number (39) Filing Date (30) Filing Date (31) SCOTT D. LAVENDER (31) SPANIEL JARVIS (31) SHANMUGA-NATHAN GNANASAMBANDAM | (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :13/353,243 :18/01/2012 :U.S.A. :NA :NA :NA :NA :NA :NA | Address of Applicant :45 GLOVER AVENUE, P.O. BOX 4505, NORWALK, CONNECTICUT 06856-4505 U.S.A. (72)Name of Inventor : 1)SCOTT D. LAVENDER 2)PHILLIP DONEGAN 3)DANIEL JARVIS |
|---|---|---|---|
|---|---|---|---|

(57) Abstract :

Systems and methods for video episode viewing and mining comprise: receiving video data comprising a plurality of frames representing images of one or more objects within a physical area; identifying a plurality of events within the video data, wherein an event represents a movement of an object of interest from a first location in a grid associated with the physical area to a second location in the grid; generating a plurality of event data records reflecting the plurality of events; and determining one or more frequent episodes from the plurality of event data records, wherein an episode comprises a series of events associated with a particular object of interest.

No. of Pages : 32 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :08/01/2013

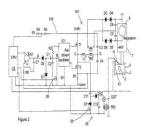
(43) Publication Date : 13/05/2016

| (51) International classification | :H01J65/04,H05B41/24 | (71)Name of Applicant : |
|---|----------------------|--|
| (31) Priority Document No | :1011793.5 | 1)CERAVISION LIMITED |
| (32) Priority Date | :13/07/2010 | Address of Applicant : The Mansion Bletchley Park Wilton |
| (33) Name of priority country | :U.K. | Avenue Bletcheley MK3 6EB U.K. |
| (86) International Application No | :PCT/GB2011/001049 | (72)Name of Inventor : |
| Filing Date | :12/07/2011 | 1)KJELL Lidstrom |
| (87) International Publication No | :WO 2012/007714 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : A MAGNETRON POWERED LAMP

(57) Abstract :

To the common point C of two transistors of a magnetron switched converter power circuit is connected a coupling capacitor C11 which provides input to a starter circuit (24). A transistor switch (25) is in series with the capacitor C11 and a diode D1. When the switch is off no current flows in D11. When the switch is made D11 conducts during alternate halves of cycles present at C. A second diode D12 also conducts and allows current to pass through discharge capacitor C12. This progressively charges until the voltage across it reaches the breakdown voltage of a gas discharge tube GTD. Whereupon the capacitor discharges through the primary winding of transformer TR2. The secondary winding has many more turns and a starter voltage is induced in the starter electrode (11). This is isolated from the Faraday cage (4) and terminates adjacent the crucible close to the void (2). Every time the discharge capacitor discharges the void of a microwave plasma light source is pulsed. The magnetron is being driven the starter being able to operate only as a result of the converter operating. Once a plasma in the void establishes this is detected by a photodiode (12) adjacent the starter electrode (11). Presence of plasma is signalled to the microprocessor which opens the transistor switch (25).



No. of Pages : 15 No. of Claims : 6

(19) INDIA

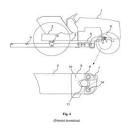
(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : TWO PIECE EYE MOUNTING STRUCTURE FOR A TRACTOR LOADER ATTACHMENT | | |
|--|-------|--|
| | | |
| (51) International classification | :E02F | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)V. PARTHIBAN |
| (32) Priority Date | :NA | Address of Applicant :17A DR. RADHAKRISHNAN |
| (33) Name of priority country | :NA | STREET, CHINTHAMANIPUDUR, COIMBATORE - 641 103 |
| (86) International Application No | :NA | Tamil Nadu India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)V. PARTHIBAN |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The a tractor loader attachment is arranged to respectively connect the front end and rear end of the loader attachment with the engine compartment and rear end of the tractor frame. The front end of the loader has a two piece eye mounting structure having an eye and a flange constructed to detachably connect the front end of the loader with a bracket fixed with the engine compartment. The bracket has mounting holes and a projecting pin to align and assemble the loader attachment such that the connecting slot in the eye end of the loader assembles with the projecting pin in the bracket. The flange is placed over the eye to mount the loader with the bracket through the mounting bolts. The bracket is first fixed with the engine compartment and the loader is connected through the bracket. The flange is removed and the loader is moved rearward to dismantle the loader attachment from the tractor. Fig. 4



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

(21) Application No.109/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : REACTIVE ISOCYANATE TERMINATED PREPOLYMERS FOR BINDER APPLICATIONS :C08G18/10,C08L75/04 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)DOW GLOBAL TECHNOLOGIES LLC :61/353921 (32) Priority Date :11/06/2010 Address of Applicant :2040 Dow Center Midland MI 48674 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/038072 (72)Name of Inventor: Filing Date :26/05/2011 1)RADHAKRISHNAN Bindu (87) International Publication No :WO 2011/156144 2)KOONCE William Aaron (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Elastomer composites are prepared by wetting particles of a natural or synthetic rubber with a liquid one component moisture curable resin composition and then exposing the wetted particles to moisture to cure the resin composition. The moisture curable resin composition comprises (a) an isocyanate terminated polyurethane prepolymer having an isocyanate content of from 0.5 to 12% by weight and (b) from 1 to 30% based on the combined weight of components (a) and (b) of an epoxide or lactone compound having a molecular weight of from about 70 to about 1000 and which is miscible in the prepolymer at the relative proportions thereof that are present. In addition the composition contains no more than 0.1% by weight of compounds having a primary or secondary amino group.

No. of Pages : 19 No. of Claims : 20

(22) Date of filing of Application :08/01/2013

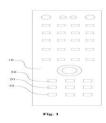
(43) Publication Date : 13/05/2016

(54) Title of the invention : REMOTE CONTROLLER

| | | 1 |
|---|-----------------|--|
| | | |
| (51) International classification | :H03G | (71)Name of Applicant : |
| (31) Priority Document No | :201220394903.9 | 1)QUATIUS LIMITED |
| (32) Priority Date | :09/08/2012 | Address of Applicant :Units 05-07, 16/F, Greenfield Tower, |
| (33) Name of priority country | :China | Concordia Plaza, 1 Science Museum Road, TST East, Kln., Hong |
| (86) International Application No | :NA | Kong, P.R. China China |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)CHEUNG, Ka Wing |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A remote controller is disclosed. The remote controller includes a remote control board, on which a volume up control unit, a volume down control unit and a muting control unit are provided, and the muting control unit is set between the volume up control unit and the volume down control unit. The remote controller is more reasonably designed and more convenient for use.



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

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention | DECIGNE OF VEDTICAL CTDUCTUDEC AND CANTUL | SVEDC |
|-----------------------------|---|-------|
| (34) The of the invention. | DESIGNS OF VERTICAL STRUCTURES, AND CANTILI | LVERD |
| | | |

| (51) International classification | :F03D | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)DR. NAYEEM ULLAH KHAN |
| (32) Priority Date | :NA | Address of Applicant :#10, 4TH CROSS, K-S, LAYOUT, |
| (33) Name of priority country | :NA | OPP. DAYANANDA SAGAR COLLEGE BANGALORE - 560 |
| (86) International Application No | :NA | 078 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)DR. HARSHA JOSEPH |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Cantilever and vertical structures are deigned for safety against wind shocks and earth quakes. They are as safe as natural structures like wines of Cuscuta and coiled tendrils of Bignonia. The invention claims: Designed coiled-columns need not follow self thinning rule. They can have a constant diameter with weight adjustment. Cantilevers with equal per unit weight distribution can have a ziz-zac structure. Self thinning rule when applied to vertical columns can lead to elastic similarity and the structure can have built in safety against wind and earth quake and Tsunami shocks.

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

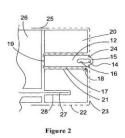
(22) Date of filing of Application :08/01/2013

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| | | |
| (51) International classification | :H01J65/04 | (71)Name of Applicant : |
| (31) Priority Document No | :1011786.9 | 1)CERAVISION LIMITED |
| (32) Priority Date | :13/07/2010 | Address of Applicant : The Mansion Bletchley Park Wilton |
| (33) Name of priority country | :U.K. | Avenue Bletchley MK3 6EB U.K. |
| (86) International Application No | :PCT/GB2011/001047 | (72)Name of Inventor : |
| Filing Date | :12/07/2011 | 1)PRESTON Barry |
| (87) International Publication No | :WO 2012/007712 | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : PLASMA LIGHT SOURCE

(57) Abstract :

A High Frequency light source (11) has a central body (12) of fused quartz with a central void (14) filled with a fill (16) in the void of material excitable by High Frequency energy to form a light emitting plasma. An inner sleeve (17) of perforate metal shim extends along the length of the central body to within 2.5mm of its void end to provide a launching gap (18). The sleeve has a transverse end portion (19) extending across the other inner end of the central body. An outer cylinder of fused quartz (20) with an internal bore (21) such as to be a sliding fit with the inner sleeve itself a sliding fit on the central body. An outer sleeve (22) of perforate metal enclosing the outer cylinder and having an end portion (23) extending across the flush void ends of the quartz body and cylinder (12 20). The outer sleeve has a skirt (25) extending past the flush other ends of the quartz elements over an aluminium carrier (26) where it is clamped holding the quartz elements against the carrier. Thus the sleeve forms with with its end (23) and the carrier (26) a Faraday cage around the quartz and the plasma void (14). An antenna (27) insulated from the carrier extends from it into a bore (28) in the quartz cylinder (20) for introducing HF radiation into the coaxial wave guide formed by the inner and outer sleeves (17 22). Their perforation is such as to make them opaque and enclosing to the HF radiation yet light transmissive whereby light from the plasma can pass through them. The portion of the antenna in the carrier provides a connection to an non shown source of HF energy. The inner sleeve (17) at its end portion (19) is earthed to the carrier in the same way as the outer sleeve and its end portion (23). Thus the gap (18) between the end of the inner sleeve and the end portion of the Faraday cage forms a launching gap for the HF energy to radiate to the plasma void and establish and maintain the plasma there. Light from the plasma passes through the quartz and through the perforations in the sleeves and the end portion (19) thus out of the light source.



No. of Pages : 13 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :08/01/2013

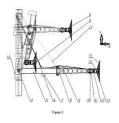
(43) Publication Date : 13/05/2016

| (51) International classification | :B25J | (71)Name of Applicant : |
|---|-----------------|--|
| (31) Priority Document No | :201210062248.1 | 1)DALIAN WANDA GROUP CO., LTD |
| (32) Priority Date | :09/03/2012 | Address of Applicant :No.539 Changjiang Road, Xigang |
| (33) Name of priority country | :China | District, Dalian, P.R. China Postcode 116011 China |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)LAI JIANYAN |
| (87) International Publication No | : NA | 2)WANG YUAN |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : A LARGE SCREEN COORDINATING EQUIPMENT WITH SIX DEGREES OF FREEDOM •

(57) Abstract :

The present invention provides a large screen coordinating equipment with six degrees of freedom. Said equipment comprises three same robot arms arranged in parallel at equal distance. A column rotation kinematic pair that can rotate around the Y axis is provided on the top and bottom surface of the column that is set vertically, respectively. One end of the stretch arm is connected with the lateral side of the column via a stretch arm rotation kinematic pair. The first rotation arm is connected and matched with the free end of the stretch arm via the first rotation kinematic pair. The second rotation arm is connected and matched with the free end of the first rotation arm via the second rotation kinematic pair. The third rotating arm is connected and matched with the free end of the second rotation arm via the third rotation kinematic pair. The third rotation arm is connected and matched with a display screen via a screen rotation kinematic pair. The second rotation kinematic pair are arranged parallel with each other. The second rotation kinematic pair and the second rotation kinematic pair are arranged perpendicularly with each other. Said coordinating equipment can achieve movement with six degrees of freedom for a large screen.



No. of Pages : 13 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :07/01/2013

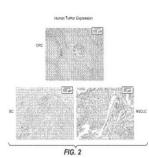
(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI NEUROPILIN ANTIBODIES AND METHODS OF USE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (34) International Application No Filing Date (37) International Publication No (38) International Publication No (39) Priority Country (30) Name of priority country (31) Name of priority country (32) Priority Date (33) Name of priority country (34) Priority Date (35) International Application No (36) Printernational Publication No (37) International Publication No (38) Provisional to Application Number (39) Priority Country (30) Priority Country (31) Priority Date (32) Priority Date (33) Name of priority country (33) Name of priority Country (34) Priority Date (35) Priority Date (36) Priority Country (36) Priority Country (37) Priority Date (38) Priority Country (31) Priority Country (32) Priority Country (33) Name of priority Country (34) Priority Country (35) Priority Country (36) Priority Country (37) Priority Country (38) Priority Country (31) Priority Country (32) Priority Country (33) Priority Country (34) Priority Country (35) Priority Country (36) Priority Country (37) Priority Country (37) Priority Country (38) Priority Country (38) Priority Country (38) Priority Country (38) Pri | (71)Name of Applicant : 1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel Switzerland (72)Name of Inventor : 1)SCHMIDT Maike 2)CALLAHAN Chris 3)HONGO Jo Anne S. 4)KOEPPEN Hartmut 5)WATTS Ryan J. |
|--|---|
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(57) Abstract :

The invention provides anti NRP1 antibodies and methods of using the same.



No. of Pages : 46 No. of Claims : 17

(21) Application No.143/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :E02B3/26,B63B59/02 :2010-134105 :11/06/2010 :Japan :PCT/JP2011/059648 :19/04/2011 :WO 2011/155265 A1 | (71)Name of Applicant : 1)THE YOKOHAMA RUBBER CO.LTD. Address of Applicant :36 11 Shimbashi 5 chome Minato ku Tokyo 1058685 Japan (72)Name of Inventor : 1)NAKATANIKoji 2)KANEKOMichito |
|---|---|---|
| | 1 | · · |
| Filing Date | :19/04/2011 | |
| (87) International Publication No(61) Patent of Addition to Application | :WO 2011/155265 A1 | 2)KANEKOMichito 3)SAKAKIBARASigeki |
| Number Filing Date | :NA :NA | 4)YAMADASyuu |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : PNEUMATIC FENDER MANAGEMENT SYSTEM

(57) Abstract :

Provided is a pneumatic fender management system with which a pneumatic fender and a pressure sensor can be matched reliably and easily even in cases where the pressure sensor is attached to the pneumatic fender afterward and with which safety can be ensured even in cases where an inappropriate pressure sensor has been attached. In the disclosed system: a pneumatic fender (3) and a pressure sensor (5) are matched by comparing first identification information of an identification tag (4) provided on the pneumatic fender (3) and the pressure sensor (5) with second identification information possessed by the pressure sensor (5); and if the two pieces of identification information are different then the pressure sensor (5) is deactivated.

No. of Pages : 17 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :12/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : RIGID HIGH SPEED SI | NGLE CUTTI | ING GUIDED REAMER |
|---|------------|---|
| | | |
| (51) International classification | :B23D | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)Vijay Kumar Mada |
| (32) Priority Date | :NA | Address of Applicant :Spectra Tools, Fact : 589/1, Opp, |
| (33) Name of priority country | :NA | Horticulture, Near Meenakshi Temple, Hulimavu Post, |
| (86) International Application No | :NA | Bannerghatta Road, Bangalore 560076 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Vijay Kumar Mada |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

In view of the foregoing, an embodiment herein discloses a reamer comprises a single cutting fixed cutting edge and plurality of guiding pads. Accordingly, a single cutting edge is provided at the reamer periphery, wherein the cutting edge is permanently fixed with the reamer. According to an embodiment, the cutting edge can be made of solid material or PCD or CBN. Further, the guiding pads are provided at the circumference of the reamer, wherein the number of guiding pad is determined based on the application of the reamer. The single cutting tool/edge is fixed permanently on the reamer, and it is protruded at minimum 0.003 mm from the outer surface of the guiding pads. The protrusion of cutting edge distance can be kept at about 0.003 to 0.015 mm. Further, the cutting edge is provided with back tapering in the range of 0.006 to 0.010 mm.

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No. of Pages : 17 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :07/01/2013

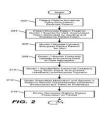
(43) Publication Date : 13/05/2016

| (51) International classification | :G06Q50/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :12/844532 | 1)MICROSOFT TECHNOLOGY LICENSING, LLC |
| (32) Priority Date | :27/07/2010 | Address of Applicant :One Microsoft Way, Redmond, |
| (33) Name of priority country | :U.S.A. | Washington 98052 U.S.A. |
| (86) International Application No | :PCT/US2011/044009 | (72)Name of Inventor : |
| Filing Date | :14/07/2011 | 1)LAUTER Kristin Estella |
| (87) International Publication No | :WO 2012/018495 | 2)CHASE Melissa E. |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .111 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : ANONYMOUS HEALTHCARE AND RECORDS SYSTEM

(57) Abstract :

Described herein is using cryptographic techniques (anonymous proof systems) to ensure the anonymity of health records when processing payment claims related to insurers and pharmacies. A patient receives a patient token from an insurer which the patient delegates to a healthcare provider. The delegated token is processed into an anonymized token that identifies the healthcare provider and the medical service provided without including information by which the patient is directly identifiable. The anonymized token includes data by which the insurer validates the token. For prescriptions an anonymized token may be generated as an endorsement for the patient (e.g. a printed barcode) and an unendorsed token transmitted to the pharmacy. The pharmacy combines data of the endorsement and the unendorsed token into an anonymous combined token that is transmitted to the insurer for payment.



No. of Pages : 25 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEPTH INDEPENDENT SUB-SEA LOADCELL (51) International classification :G01G (71)Name of Applicant : 1)NATIONAL INSTITUTE OF OCEAN TECHNOLOGY (31) Priority Document No :NA (32) Priority Date Address of Applicant :DEEP SEA TECHNOLOGIES & :NA (33) Name of priority country OCEAN MINING, CHENNAI - 600 100 Tamil Nadu India :NA (86) International Application No (72)Name of Inventor: :NA Filing Date :NA 1)C.R.DEEPAK (87) International Publication No : NA 2)K. THIRUMURUGAN (61) Patent of Addition to Application Number :NA **3)B.O. VISHWANATH** Filing Date :NA 4)V.SUNDARAMOORTHI (62) Divisional to Application Number :NA 5)N.R.RAMESH Filing Date :NA 6)M.A.ATMANAND

(57) Abstract :

A depth independent sub-sea loadcell for being located under sea-level, said loadcell comprising a housing accommodating a vertically disposed piston, the top of the piston being intencled for receiving a load placed on it, while the base of the piston resrs in contact with a fluid contained in a chamber at the bottom of the housing; a bladder located at the side of the piston to compensate for the suction created by the movement of the piston; a differential transducer provided inside the chamber in communication with the said fluid, for receiving the pressure of the fluid, while transmitting for receiving the pressure of the fluid, while transmitting the corresponding electronic output of the said transducer to a predetermined point outside the housing for indicating the magnitude of the said load, after dynamic correction for depth.

No. of Pages : 7 No. of Claims : 4

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : VIDEO ENCODER VIDEO DECODER VIDEO ENCODING METHOD VIDEO DECODING METHOD AND PROGRAM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :2010-159059 :13/07/2010 :Japan | (71)Name of Applicant : NEC Corporation Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo (72)Name of Inventor : CHONO Keiichi SENDA Yuzo TAJIME Junji AOKI Hirofumi SENZAKI Kenta |
|---|---------------------------------------|--|
|---|---------------------------------------|--|

(57) Abstract :

Disclosed is a video encoder provided with: pixel bit length increase means for increasing the pixel bit length of an input image in accordance with pixel bit length increase information; conversion means for converting output data of the pixel bit length increase means; entropy encoding means for entropy encoding output data of the conversion means; non compression encoding means for entropy encoding means for selection means for selecting the output data of either the entropy encoding means or the non compression encoding means; and a multiplexing means for multiplexing the pixel bit length increase information into a bit stream. Pixel bit lengths are different for images corresponding to the respective output data of the entropy encoding means and the non compression encoding means.

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

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ARRANGEMENT COMPRISING A DRIVER ELEMENT OF A SHIFTING DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :PCT/EP2011/057113 :04/05/2011 | (71)Name of Applicant : 1)ZF FRIEDRICHSHAFEN AG Address of Applicant :88038 Friedrichshafen Germany (72)Name of Inventor : 1)ACKER Andreas 2)HOHER Karlheinz |
|---|-----------------------------------|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

The invention relates to an arrangement comprising a driver element (1) of a shifting device for a manual transmission of a vehicle. The movements of a selector lever (3) and a shifting lever (6) can be transmitted via the driver element (1) onto a shifting and selecting shaft (2) in order to actuate shifting elements said driver element (1) being designed as a multifunctional component with multiple functional surfaces for carrying out additional functions during a selecting and shifting process.

No. of Pages : 14 No. of Claims : 13

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DRUG OLIGOMER BASED NANOPARTICLES WITH FAST DEGRADING PROPERTIES

| (51) International classification | :A61K | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)M/S. SREE CHITRA TIRUNAL INSTITUTE FOR |
| (32) Priority Date | :NA | MEDICAL |
| (33) Name of priority country | :NA | Address of Applicant : POOJAPPURA, |
| (86) International Application No | :NA | THIRUVANANTHAPURAM - 695 012 Tamil Nadu India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)KALADHAR KAMALASANAN |
| (61) Patent of Addition to Application Number | :NA | 2)RADHIKA RAVEENDRAN |
| Filing Date | :NA | 3)PRADEEP KUMAR S.S., |
| (62) Divisional to Application Number | :NA | 4)MAYA NANDAKUMAR |
| Filing Date | :NA | 5)CHANDRA PRAKASH SHARMA |

(57) Abstract :

A drug oligomer based fast degrading nanoparticle, comprising drug molecule with a labile bond for polymerizing into oligomer, the intermolecular covalent cross-linking between drug molecules in the oligomer taking place through the functional groups of labile functional group region of the drug molecules flash precipitation of the oligomers form the drug oligomer based nanoparticles having fast degrading capability to release biologically active drug molecules.

No. of Pages : 24 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : HYBRID LIGHT CHAIN MICE

(57) Abstract :

Genetically modified mice are provided that express human variable (hV) sequences including mice that express hV sequences from an endogenous mouse light chain locus mice that express hV sequences from an endogenous mouse light chain locus and mice that express hVX sequences from a transgene or an episome wherein the hV sequence is linked to a mouse constant sequence. Mice are provided that are a source of somatically mutated human variable sequences useful for making antigen binding proteins. Compositions and methods for making antigen binding proteins that comprise human variable sequences including human antibodies are provided.

No. of Pages : 116 No. of Claims : 21

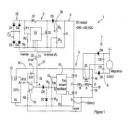
(22) Date of filing of Application :08/01/2013

| (51) International classification | :H05B6/68 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1011789.3 | 1)CERAVISION LIMITED |
| (32) Priority Date | :13/07/2010 | Address of Applicant : The Mansion Bletchley Park Wilton |
| (33) Name of priority country | :U.K. | Avenue Bletcheley MK3 6EB U.K. |
| (86) International Application No | :PCT/GB2011/001048 | (72)Name of Inventor : |
| Filing Date | :12/07/2011 | 1)KJELL Lidstrom |
| (87) International Publication No | :WO 2012/007713 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : MAGNETRON POWER SUPPLY

(57) Abstract :

A power supply (1) for a magnetron has a PFC DC voltage source (2) and an HV (High Voltage) converter (3). The voltage source is mains driven and supplies DC voltage above mains voltage on line (5) smoothed by capacitor (4) to the HV converter. The latter supplies switched alternating current to transformer 6. This supplies higher voltage alternating current to a rectifier (7) in turn supplying the magnetron with high magnetron powering anode voltage on line (8). The DC voltage source has an PFC inductor (22) which is switched by a transistor switch (23) under control of an integrated circuit (24). It is the inductor which enables the voltage source to provide a variable DC voltage. An input rectifier (25) is provided for rectifying mains voltage. The output voltage of the voltage source is monitored and fed back to the integrated circuit by a voltage divider (26). The feed back voltage is modified as required to control the required voltage to be applied to the HV converter by a control circuit (27). The control circuit comprises a transistor (31) having a reference voltage fed to its base on line (32). Its collector is connected to the common point of the voltage divider (26) which is the feed back point. The emitter is connected to the output of the operational amplifier via a resistor (33).



No. of Pages : 15 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :08/01/2013

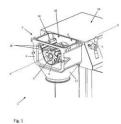
(43) Publication Date : 13/05/2016

(54) Title of the invention : MILLING DEVICE WITH ADJUSTABLE MILLING OPERATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :B02C4/42,B02C4/26,B02C18/26 :NA :NA :NA :PCT/EP2010/059872 :09/07/2010 :WO 2012/003877 :NA :NA | (71)Name of Applicant : 1)FREWITT FABRIQUE DE MACHINES SA Address of Applicant :Route du Coteau 7 CH 1763 Granges Paccot Switzerland (72)Name of Inventor : 1)GAO Xin 2)VIRDIS Antoine |
|--|---|---|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

A milling device (1) for performing a milling operation comprising a milling unit (2) comprising a housing (3) defining a milling chamber (16) that can be filled with a material to be milled a rotor assembly (4) rotatably mounted in the housing (3) and a screen assembly (13) for fractionating the material milled by the rotor assembly (4) in movement and extending below the rotor assembly (4); and a drive unit (20) adapted for controlling the movements of the rotor assembly (4) relative to the screen assembly (13) during the milling operation; wherein said drive unit (20) is configured to produce an oscillating movement of the rotor assembly (4) the oscillating movement having an oscillation angle that can be varied during the milling operation when controlling the movements of the rotor assembly (4) relative to the screen assembly (4) relative to the screen assembly (4).



No. of Pages : 34 No. of Claims : 21

(22) Date of filing of Application :08/01/2013

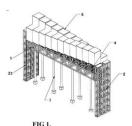
(54) THE of the immediant A COMPOSITE LIETING STACE -

(43) Publication Date : 13/05/2016

| (54) Title of the invention : A COMPOSITE LI | FTING STAGE • | |
|---|---|---|
| (54) Title of the invention : A COMPOSITE LII (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :B66F :201210019533.5 :20/01/2012 :China :NA :NA | (71)Name of Applicant : 1)DALIAN WANDA GROUP CO., LTD Address of Applicant :No.539 Changjiang Road. Xigang District, Dalian, P.R. China Postcode 116011 China (72)Name of Inventor : 1)LAI JIANYAN |
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 2)WANG YUAN |
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

A composite lifting stage comprises a main stage, sub-stages and a main control system. The main stage comprises a base structure, fixed guiding means for the main stage and driving means for the main stage, wherein the base structure is a steelwork. The fixed guiding means for the main stage are arranged at the both ends of the base structure, and the driving means for the main stage comprise symmetrically arranged hydraulic cylinders and hydraulic drivers. The top end of the hydraulic cylinders are secured to a primary truss under the base structure, the base structure is supported and driven to move vertically using hydraulic jacking, such as to avoid large deformations in the lifting platforms. The hoistable sub-stages are fixed on platform surface of the main stage. While the main stage moves vertically, the sub-stages move relatively in the vertical direction, or, otherwise, the sub-stages move independently. The sub-stages can move either all synchronously, separately, or in group. In such a way, more flexible kinetic effect can be achieved to meet the requirements of the performance better, and the travel range of the entire lifting stage can be increased. FIG.1



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

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : THERMOPLASTIC COMPOSITION METHOD OF PRODUCING THE SAME AND ARTICLES MADE THEREFROM

(57) Abstract :

The instant invention provides a thermoplastic composition method of producing the same and articles made therefrom. The thermoplastic composition according to present invention comprises the melt blending product of: (a) from 10 to 75 percent by weight of a continuous phase based on the total weight of the thermoplastic composition wherein said continuous phase comprises one or more thermoplastic polymers; and (b) from 25 to 90 percent by weight of a dispersed phase comprising one or more core/shell polymer particles based on the total weight of the thermoplastic composition wherein said one or more core/shell polymer particles comprise a crosslinked elastomer core and a thermoplastic shell and wherein said core/shell polymer has an average particle size diameter in the range of from 70 to 10 000 nm.

No. of Pages : 28 No. of Claims : 19

(19) INDIA

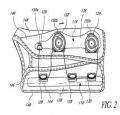
(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : BRACES US | ING LACING SYSTEMS | 5 |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61F5/05,A61F5/01 :61/360619 :01/07/2010 :U.S.A. | (71)Name of Applicant : 1)3M INNOVATIVE PROPERTIES COMPANY Address of Applicant :3M Center, P O Box 33427, Saint Paul MN 55133-3427 U.S.A. (72)Name of Inventor : 1)NICKEL Michael J. 2)CAVANAGH Sean T. 3)KERNS Mark 4)BURNS Robert E. |

(57) Abstract :

The disclosure relates to medical braces having lacing systems for tightening of the medical braces. Some embodiments include multiple components of the lacing system integrated into a single housing piece. For example multiple reels can be used to tighten different portions of the lacing system and the multiple reels can be mounted onto a single housing. Also multiple lace guides can be integrated into or attached to a single housing piece.



No. of Pages : 37 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : RELATED DATA DE | PENDENCIES • | • |
|---|----------------|--|
| (51) International classification | :G06F 17/00 | (71)Name of Applicant : 1)DASSAULT SYSTEMS ENOVIA CORPORATION |
| (31) Priority Document No | :13/367,785 | |
| (32) Priority Date | , | Massachusetts 02451, United States of America U.S.A. |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)TEWKSBARY, David Edward |
| Filing Date | :NA | 2)MILLIKEN, Clark David |
| (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 computer-implemented method for use in maintaining currency of a projection index of a plurality of database objects. The computer-implemented method includes creating the projection index representative of a connection between a first database object and at least a second database object, determining an entity dependency between the first database object and at least the second database object, determining a path dependency between the first database object and at least the second database object, and updating the projection index in response to a modification of one or both of the entity dependency and the path dependency.

No. of Pages : 36 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :H04N | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :12151965.6 | 1)Research In Motion Limited |
| (32) Priority Date | :20/01/2012 | Address of Applicant :295 Phillip Street, Waterloo, Ontario, |
| (33) Name of priority country | :EPO | N2L 3W8, Canada Canada |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)NGUYEN Nguyen |
| (87) International Publication No | : NA | 2)JI Tianying |
| (61) Patent of Addition to Application Number | :NA | 3)HE Dake |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : METHODS AND DEVICES FOR CONTEXT SET SELECTION

(57) Abstract :

Methods of encoding and decoding for video data are described for encoding or decoding multi-level significance maps. Distinct context sets may be used for encoding the significant-coefficient flags in different regions of the transform unit. In a fixed case, the regions are defined by coefficient group borders. In one example, the upper-left coefficient group is a first region and the other coefficient groups are a second region. In a dynamic case, the regions are defined by coefficient group borders, but the encoder and decoder dynamically determine in which region each coefficient group belongs. Coefficient groups may be assigned to one region or another based on, for example, whether their respective significant-coefficient-group flags were inferred or not.

No. of Pages : 43 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : MOTOR DRIVE APPARATUS FOR VEHICLE AND AUTOMOBILE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :F16H63/10,F16D41/08,F16H3/08 :2010-137918 :17/06/2010 :Japan :PCT/JP2011/063386 :10/06/2011 :WO 2011/158755 A1 | (71)Name of Applicant : 1)NTN CORPORATION Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku Osaka shi Osaka 5500003 Japan (72)Name of Inventor : 1)YAMAMOTO Ken 2)ITAKURA Yoshinori 3)ISOBE Fumihiro |
|--|---|--|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided is a motor drive apparatus for a vehicle wherein a plurality of two way clutches incorporated in a gearbox can be reliably prevented from engaging at the same time. A first reduction gear train (23) and a second reduction gear train (24) are provided between an input shaft (21) and an output shaft (22) to be rotary driven by an electric motor (10). First and second two way clutches (30A 30B) are incorporated in a space between a first output gear (23b) of the first reduction gear train (23) and the output shaft (22) and a space between a second output gear (24b) of the second reduction gear train (24) and the output shaft (22) respectively. A first friction plate (52a) and a second friction plate (52b) are retained by retainers (36) of the two way clutches (30A 30B) and a control ring (51) is incorporated in a space between the friction plates (52a 52b). The control ring (51) is shifted in the axial direction by a shift mechanism (70) so that the first friction plate (52a) moves in the axial direction to engage the first two way clutch (30A) and the second friction plate (52b) moves in the axial direction to engage the second two way clutch (30B). The first friction plate (52a) and the second anti rotation means (57) and a second anti rotation means (61) so that the first and second two way clutches (30A 30B) cannot engage at the same time.

No. of Pages : 46 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :11/01/2013

| (54) Title of the invention : GIS FOR LIFE SCIENCES | S | |
|---|-------|--|
| | | |
| (51) International classification | :G06F | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)ANURADHA MANIYAM |
| (32) Priority Date | :NA | Address of Applicant :#2392, 22ND CROSS, 7TH MAIN, |
| (33) Name of priority country | :NA | BANASHANKARI 2ND STAGE, BANGALORE - 560 070 |
| (86) International Application No | :NA | Karnataka India |
| Filing Date | :NA | 2)SUBBANARASHIMHAN BALASUBRAMANYA |
| (87) International Publication No | : NA | 3)OMPRAKASH N SRINGERI |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)ANURADHA MANIYAM |
| (62) Divisional to Application Number | :NA | 2)SUBBANARASHIMHAN BALASUBRAMANYA |
| Filing Date | :NA | 3)OMPRAKASH N SRINGERI |

(57) Abstract :

According to one aspect of the present invention, GIS application receives the life science object query. GIS application may identify, isolate and extract required words from the life science object query. GIS application retrieves the information in the form of geographical positions images, videos and other document types. Also, GIS application provides an interface to update existing life science objects and upload new life science object to the database. The geographical information of a life science object may be uploaded to the GIS application. Converter converts the unorganized form of data to organized or categorized form of data. The databases connected with the GIS application store the indexed data of life science objects.

No. of Pages : 32 No. of Claims : 1

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : GLASS BASE MATERIAL ELONGATING METHOD AND GLASS BASE MATERIAL ELONGATING APPARATUS

| (51) International classification | :C03B | (71)Name of Applicant : |
|---|------------------|---|
| (31) Priority Document No | :2012- 009029 | 1)Shin-Etsu Chemical Co., Ltd. Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku, |
| (32) Priority Date | :19/01/2012 | Tokyo 100-0004, Japan Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)Tetsuya OTOSAKA |
| 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 :

Provided is a glass base material elongating method of using a glass base material elongation apparatus including a heating furnace, a feeding mechanism, and a pulling mechanism to elongate the rod-shaped glass base material to form a thinner glass rod, the method comprising gripping a pulling dummy rod connected to a bottom end of the glass base material with first pulling rollers of the pulling mechanism and, together with the feeding mechanism, feeding the glass base material to the heating furnace; and before a pulling force necessary for pulling the pulling dummy rod to elongate the glass base material reaches a load force that causes slipping between the pulling dummy rod and the first pulling rollers, gripping and pulling the pulling dummy rod with second pulling rollers of the pulling mechanism in addition to the first pulling rollers.

No. of Pages : 18 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SINGLE POLYMER FILM STRUCTURES FOR USE IN STAND UP POUCHES | | |
|---|--|---|
| (54) File of the invention Silver 10 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)DOW BRASIL S A Address of Applicant :AVENIDA DAS NACOES UNIDAS 14171 SANTO AMARO CEP 04794-000 SAO PAULO - SP Brazil (72)Name of Inventor : 1)ROSA Rosana |

(57) Abstract :

The present invention relates to film structure suitable for use in stand up pouches comprising all polyethylene material. The film structure can be a monolayer film or a multilayer film structure having specific requirements for each layer. The combination results in a film structure having adequate stiffness to function as a stand up pouch while also providing acceptable water vapor transmission rates and good tear resistance. Such films have improved sustainability characteristics as they should permit down gauging of the films and can more easily be recycled at least for the preferred embodiment comprising only polyethylene resins.

No. of Pages : 21 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G05B19/05 :10 2010 026 494.6 :07/07/2010 :Germany :PCT/EP2011/003224 :30/06/2011 :WO 2012/003936 :NA :NA :NA | (71)Name of Applicant : ABB AG Address of Applicant :Kallstadter Str. 1 68309 Mannheim Germany (72)Name of Inventor : BLEI Brigitte STOLL J¹/₄rgen GAUB Gernot |
|---|--|---|
|---|--|---|

(54) Title of the invention : METHOD FOR CONFIGURING A CONTROL DEVICE

(57) Abstract :

The invention relates to a method for configuring a control device (1) in an automation system having a flexibly extensible hardware structure comprising a programming tool (100) which is connected to the control device (1) and transfers an application program and/or control program and configuration files. For this purpose in the programming tool (100) a control project (110) having the provided hardware devices of the automation system as part of the control project (110) and a linking of the provided hardware devices of the automation system among each other are represented. The method comprises the following automatically executable steps: In the programming tool (100) modifications of the provided hardware devices are detected as change information by means of change software (104) FlexConf.ini and an adjustment of the control device (1) that can be connected to the programming tool (100) to the mode control with flexible configuration is defined in the parameter FlexControl. In the programming tool (100) a transfer of the change information stored therein is executed according to the transfer type previously set in the parameter FlexControl for transfer to the control device (1) and by loading the application program and/or control program the configuration files and the change software (104) together with the change information contained therein. The transferred configuration data in the control device (1) is adapted to the transferred change information. Copy lists for inputs and outputs of the hardware used are created according to the stored change information and a parameterization of the hardware is carried out.

No. of Pages : 39 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :15/01/2013

(54) Title of the invention : ROAD FINISHING MACHINE WITH CONTROLLABLE CONVEYOR DEVICES

| (51) International classification(31) Priority Document No(32) Priority Date | | Ludwigshafen/Rhein, Germany Germany |
|--|-------------|---|
| (33) Name of priority country(86) International Application No | :EPO :NA | (72)Name of Inventor : 1)Klaus BERTZ |
| Filing Date | :NA | 2)Tobias NOLL |
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 3)Ralf WEISER 4)Alessandro DE SANTIS |
| Filing Date | :NA :NA | 4)Alessanuro DE SANTIS |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention relates to a road finishing machine (1) with a controllable longitudinal conveyor device (6) and a transverse conveyor device (7) for mixed laying material disposed in the rear in the direction of motion. The road finishing machine (1) furthermore comprises a control unit (10) for adjusting a delivery rate of the longitudinal conveyor device (6) and/or the transverse conveyor device (7). The control unit (10) is connected with a sensory mechanism (13a, 13b) for determining a mixed laying material quantity or rate and adjusts the delivery rate in response to a signal (13c, 13d) of the sensory mechanism (13a, 13b) representing the mixed laying material quantity or rate. The invention is characterized in that the control unit (10) can additionally be pilot controlled in response to laying parameters (4a, 4b, 4c, 4d) by a pilot control (2).

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

(22) Date of filing of Application :07/01/2013

(21) Application No.137/CHENP/2013 A

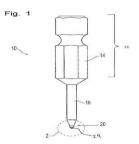
(43) Publication Date : 13/05/2016

| (34) The of the Invention . TORQUE TR | AISIMISSION DRIVER | |
|--|--------------------|---|
| | | |
| (51) International classification | :B25B13/46 | (71)Name of Applicant : |
| (31) Priority Document No | :61/362107 | 1)INFASTECH INTELLECTUAL PROPERTIES PTE. |
| (32) Priority Date | :07/07/2010 | LTD. |
| (33) Name of priority country | :U.S.A. | Address of Applicant :8 Marina Boulevard #05 02 Marina Ba |
| (86) International Application No | :PCT/US2011/043198 | Financial Centre Tower 1 Singapore 018981 Singapore |
| Filing Date | :07/07/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/006427 | 1)LUKES Richard W. |
| (61) Patent of Addition to Application Number | :NA :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : TORQUE TRANSMISSION DRIVER

(57) Abstract :

A torque transmission driver is disclosed. The torque transmission driver has a main body having a first end portion and a second end portion where the first end portion is adapted to receive and transmit torque from a torque generation source and the second end portion is opposite the first end portion and has a key shape adapted to fit a recess in a fastener and has a protruding lead end having a taper between 10 and 30 and different in shape than the key shape with at least a portion of the protruding lead end substantially coextensive with the major dimension of the key shape. A torque transmission driver adapted to drive a small fasteners is also disclosed where the key shape is adapted to fit the recess of the small fastener.



No. of Pages : 25 No. of Claims : 16

(19) INDIA

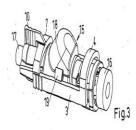
(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : COUPLING ELEMENT AND UNLOCKING ELEMENT FOR THE COUPLING ELEMENT (51) International classification :E05B (71)Name of Applicant : 1)NORMA GERMANY GMBH :10 2012 (31) Priority Document No Address of Applicant : EDISONSTRASSE 4, 63477 000 607.1 :16/01/2012 MAINTAL Germany (32) Priority Date (72)Name of Inventor : (33) Name of priority country :Germany (86) International Application No :NA **1)SEMMEL. PATRICK** Filing Date :NA 2)STOLL, VIKTOR (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 invention relates to a coupling device (15) having a snap-in locking device (23) for the locking connection with an insertion element (16). In order to enable a simple unlocking of the snap-in locking device (23) even under constricted spatial conditions, an unlocking element (1) is provided which can interact with unlocking levers (26,27) of the snap-in locking device (23). The invention further relates to a corresponding unlocking element (1). Figure 3



No. of Pages : 17 No. of Claims : 14

(19) INDIA

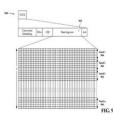
(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND APPARATUS FOR SUPPORTING FREQUENCY DIVISION MULTIPLEXING OR TIME DIVISION MULTIPLEXING IN WIRELESS PEER TO PEER NETWORKS

(57) Abstract :

A method of operating a wireless device includes determining a preferred subset of bands of a set of bands for communicating with a first node communicating a scheduling request with the first node and determining whether to schedule a data transmission on each band of the set of bands based on the preferred subset of bands and the scheduling request.



No. of Pages : 41 No. of Claims : 60

(19) INDIA

(22) Date of filing of Application :14/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SECURE ONLINE DISTRIBUTED DATA STORAGE SERVICES (DATA VAPORIZER)

| (51) International classification | :G06F | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)Accenture Global Services Limited |
| (32) Priority Date | :NA | Address of Applicant :3 Grand Canal Plaza, Grand Canal |
| (33) Name of priority country | :NA | Street Upper, Dublin 4, IRELAND Ireland |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)SANJOY PAUL |
| (87) International Publication No | : NA | 2)SHUBHASHIS SENGUPTA |
| (61) Patent of Addition to Application Number | :NA | 3)ANNERVAZ KARUKAPADATH |
| Filing Date | :NA | MOHAMEDRASHEED |
| (62) Divisional to Application Number | :NA | 4)AMITABH SAXENA |
| Filing Date | :NA | 5)VIKRANT KAULGUD |

(57) Abstract :

The data vaporizer provides secure online distributed data storage services that securely store and retrieve data in a public distributed storage substrate such as public cloud. The data vaporizer vaporizes (e.g., fragmented into tiny chunks of configurable sizes) data and distributes the fragments to multiple storage nodes so that the data is not vulnerable to local disk failures, secures data so that even if some of the storage nodes are compromised, the data is undecipherable to the attacker, stores data across multiple storage providers (e.g., cloud storage providers) and/or parties using keys (e.g., tokens) provided by multiple parties (including the owners of the data) and maintains data confidentiality and integrity even where one or more data storage provider is compromised. The data vaporizer is configurable for different domain requirements including data privacy and anonymization requirements, encryption mechanisms, regulatory compliance of storage locations, and backup and recovery constraints.

No. of Pages : 53 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :09/01/2013

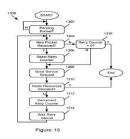
(43) Publication Date : 13/05/2016

(54) Title of the invention : RADIO RESOURCE RE ESTABLISHING SIGNALING DURING NETWORK CONGESTION IN A MOBILE WIRELESS DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04W28/02,H04W72/12 :61/362662 :08/07/2010 :U.S.A. :PCT/US2011/042961 :05/07/2011 :WO 2012/006284 :NA :NA :NA :NA | (71)Name of Applicant : 1)APPLE INC. Address of Applicant :1 Infinite Loop Cupertino California 95014 U.S.A. (72)Name of Inventor : 1)SHIVA Sundararaman V. 2)XING Longda 3)SHI Jianxiong |
|---|--|--|
|---|--|--|

(57) Abstract :

A method for radio link control in a mobile wireless communication device The mobile wireless device transmits a sequence of service requests to establish radio resources with a wireless communication network for a data packet in a pending data buffer. When no radio resources are allocated in response to the transmitted sequence of service requests the mobile wireless device sets a minimum threshold for the pending data buffer discards all pending data packets above the minimum threshold and discards the oldest pending data packet. The mobile wireless device repeats transmitting and discarding until a radio resource is allocated or the pending data packet buffer is empty. A retry interval between successive service requests is increased after transmitting each sequence of service requests until reaching a maximum retry interval value.



No. of Pages : 36 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :07/01/2013

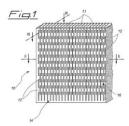
(43) Publication Date : 13/05/2016

(54) Title of the invention : COMPOSITE PANEL BASED ON CEMENTITIOUS MORTAR WITH PROPERTIES OF TRANSPARENCY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :MI2010A001046 :10/06/2010 :Italy :PCT/EP2011/059591 :09/06/2011 :WO 2011/154498 :NA :NA :NA | (71)Name of Applicant : 1)ITALCEMENTI S.P.A. Address of Applicant :Via G. Camozzi 124 I 24121Bergamo Italy (72)Name of Inventor : 1)CANGIANO Stefano 2)CARMINATI Aronne |
|---|--|---|
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a composite panel (10) based on cementitious mortar passed through its entire thickness by a plurality of through openings (11) each of which is filled with a material transparent to light in the form of a preformed plate (12) housed in said opening (11) or formed in said opening wherein said cement based mortar contains at least 30 kg/m 3 of fibres selected from one or more of the following types : metallic fibres steel fibres glass fibres polymeric resin fibres. The invention also relates to methods of production of said panel.



No. of Pages : 21 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :B60R21/213,B60N3/02 | (71)Name of Applicant : |
|--|----------------------|--|
| (31) Priority Document No | :2010-166042 | 1)HONDA MOTOR CO. LTD. |
| (32) Priority Date | :23/07/2010 | Address of Applicant :1 1 Minami Aoyama 2 chome Minato |
| (33) Name of priority country | :Japan | ku Tokyo 1078556 Japan |
| (86) International Application No | :PCT/JP2011/063825 | (72)Name of Inventor : |
| Filing Date | :16/06/2011 | 1)NAKAMURA Mitsuyoshi |
| (87) International Publication No | :WO 2012/011343 A1 | 2)ITO Kazunori |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : ARRANGEMENT STRUCTURE FOR VEHICLE INTERIOR PARTS

(57) Abstract :

An arrangement structure for vehicle interior parts configured in such a manner that a grab rail is mounted through a bracket to a side panel at the upper part thereof which is located within the vehicle interior the side panel forming a part of an opening of a vehicle body a curtain shaped airbag is disposed in a folded configuration on the side panel at the side part thereof which is located within the vehicle interior the curtain shaped airbag extending in the front rear direction of the vehicle body. The bracket is plate shaped and is disposed in such a manner that the thickness direction thereof intersects the front rear direction of the vehicle body and the bracket is provided with: a vehicle body mounting seat section which is mounted to a mounting surface formed on the side panel; an arm section which bends and extends downward and inward in the widthwise direction of the vehicle from the lower end of the vehicle body mounting seat section; and a grab rail mounting seat section which bends and extends upward and inward in the widthwise direction of the vehicle from the lower end of the arm section and to which the grab rail is mounted. A space section which opens downward and which is formed by the side panel and the arm section of the bracket serves as a storage section in which the folded curtain shaped airbag is stored.

No. of Pages : 25 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :09/01/2013

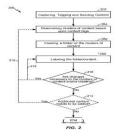
(43) Publication Date : 13/05/2016

| :G06F17/30 | (71)Name of Applicant : |
|--------------------|---|
| :12/852517 | 1)QUALCOMM Incorporated |
| :08/08/2010 | Address of Applicant :Attn: International Ip Administration |
| :U.S.A. | 5775 Morehouse Drive San Diego California 92121 U.S.A. |
| :PCT/US2011/046806 | (72)Name of Inventor : |
| :05/08/2011 | 1)DOYLE Thomas F. |
| :WO 2012/021411 | |
| •N A | |
| | |
| INA | |
| :NA | |
| :NA | |
| | :12/852517 :08/08/2010 :U.S.A. :PCT/US2011/046806 :05/08/2011 :WO 2012/021411 :NA :NA :NA |

(54) Title of the invention : APPARATUS AND METHODS FOR MANAGING CONTENT

(57) Abstract :

Apparatus and methods for managing content such as content captured by a mobile device are provided. The apparatus and method include receiving a plurality of content which includes tag information e.g. date and location information and an identifier for the mobile device. In addition the apparatus and methods may include automatically grouping the content based on the tag information and automatically labeling the content based on the tag information. For example determined groupings of the content may be placed into folders and labeled based upon the tag information.



No. of Pages : 49 No. of Claims : 49

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : EMI CONNECTOR FERRULE AND ASSEMBLY COMBINATION THEREWITH | | |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : 1)FEDERAL MOGUL POWERTRAIN INC. Address of Applicant :26555 Northwestern Highway Southfield MI 48033 U.S.A. (72)Name of Inventor : 1)HARRIS David A. |

(57) Abstract :

A ferrule configured to couple a textile sleeve to an electrical has a cylindrical wall with an inner surface providing a cavity sized for receipt of an elongate electrical member therethrough. The cylindrical wall extends between a first end configured for attachment within a cavity of the textile sleeve and a second end having a radially outwardly extending annular rim configured for attachment to the electrical connector. The cylindrical wall has at least one radially outwardly extending annular bead adjacent the first end with the annular bead providing a radially inwardly facing annular pocket. At least one seal member is disposed in the cavity for sealed abutment with the inner surface and the elongate electrical member.



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

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : DATA MANAGEMENT SYSTEM AND TOOL | | |
|--|--|--|
| (54) Title of the invention : DATA MANAGEMENT (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : (71)MU SIGMA BUSINESS SOLUTIONS PVT LTD Address of Applicant :Level 4 & 5, Kalyani Platina, Opp. Tata Motors Showroom, Kundalahalli Village, Brookefield, Whitefield, Bangalore 560 066 Karnataka India (72)Name of Inventor : 1)Dhiraj Rajaram |

(57) Abstract :

A data management system is provided that comprises a data collation module configured to collect data for a problem statement specified by a client. The data collation system comprises a situation control question (SCQ) module configured to create a SCQ matrix. The SCQ matrix is configured to enable one or more users to define a current state and a desired solution of a problem defined by the problem statement. The data collation system also comprises a factor map module configured to create a factor map to enable one or more users to enumerate a plurality of factors that directly and/or indirectly contribute to the problem. The data collation system further comprises a hypothesis module configured to create a hypothesis matrix that enables one or more users to formulate one or more hypotheses based on the problem statement. The data management system further comprises memory circuitry coupled to the data collation module and configured to store data related to the problem statement.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :12/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ALTERING SAMPLING RATE TO THWART ATTACKS THAT INVOLVE ANALYZING HARDWARE SENSOR OUTPUT

| (51) International classification | :G06F | (71)Name of Applicant : |
|---|-------------|--|
| | 21/00 | 1)Research In Motion Limited |
| (31) Priority Document No | :12155670.8 | Address of Applicant :295 Phillip Street, Waterloo, Ontario, |
| (32) Priority Date | :15/02/2012 | N2L 3W8, Canada Canada |
| (33) Name of priority country | :EPO | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)WURSTER Glenn Daniel |
| 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 hardware sensor (60,62,64,66) and a hardware user-input component (22,32,42,102,202,302,306) are integrated in a portable electronic device (10,100,200,300). The hardware sensor is operable to produce hardware sensor output indicative of orientation or motion or both of the device within its environment. The hardware user-input component has multiple elements (24,34,44,104,204,304) operable to accept user input through touch. A user-input driver (26,36,46) and the deviceTMs operating system (18) are jointly operable to detect touch events involving the elements. A software application (20) is executable by the deviceTMs processor (14) as a process. A sensor driver (61,63,65,67) or the operating system or both are configured to control what hardware sensor output, if any, is receivable by the process. This control may thwart an attack based on analysis of the hardware sensor output, the attack designed to deduce what user input has been made via multiple elements of the hardware user-input component.

No. of Pages : 63 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FUSE UNIT MOLD STRUCTURE AND MOLDING METHOD USING MOLD STRUCTURE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H01H85/045,H01H69/02,H01H85/175 :2010-135161 :14/06/2010 :Japan :PCT/JP2011/063348 :10/06/2011 :WO 2011/158746 A1 :NA :NA :NA | (71)Name of Applicant : 1)YAZAKI CORPORATION Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo 1080073 Japan (72)Name of Inventor : 1)ONODA Shinya |
|---|---|---|
|---|---|---|

(57) Abstract :

A mold structure (1) includes a fixed mold (4) and a movable mold (5) for burying integrally with molding of a plastic molded article (26) a bus bar (3) in which a tuning fork terminal (32) is provided on a main body circuit unit (31). When the fixed mold (4) and the movable mold (5) are joined together the terminal base (40) of the tuning fork terminal (32) is held between a terminal base receiving portion (13) of the fixed mold (4) and a terminal base abutting portion (17) of the movable mold (5) while the tuning fork terminal (32) is projected outside a cavity which is formed in such a way that the mold main body portions of the fixed mold (4) and the movable mold (5) are joined each other and into the inside of which a resin is injected.

No. of Pages : 35 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :09/01/2013

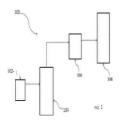
(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS AND ASSEMBLY FOR PRODUCING ALKYLENE OXIDES AND GLYCOL ETHERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/US2011/042107 :28/06/2011 :WO 2012/009155 :NA :NA | (71)Name of Applicant : 1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant :2040 Dow Center Midland Michigan 48674 U.S.A. (72)Name of Inventor : 1)ARROWOOD Tina L. 2)FLICK Derrick W. 3)ACKFORD John F. |
|---|--|---|
| Filing Date | :NA | |

(57) Abstract :

There is provided a process for manipulating the amount of alkyl alcohol in a product stream e.g. such as an alkylene oxide product stream. More particularly and in contrast to conventional processes wherein substantially all of the alkyl alcohol must be separated and desirably recycled in the present process a greater amount of alkyl alcohol may be allowed to remain in a partially refined alkylene oxide product stream. The residual alkyl alcohol is subsequently substantially entirely reacted to form a downstream product e.g. a glycol ether which is more easily separated from the alkylene oxide product stream. Indeed the amount of alkyl alcohol in the partially refined alkylene oxide product stream can be selected based upon the output of glycol ethers if desired.



No. of Pages : 31 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR CONVERTING BIOGAS TO A GAS RICH IN METHANE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (33) Name of priority country (34) International Application No PCT/EP2010/004189 Filing Date (99/07/2010 (87) International Publication No WO 2012/003849 (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application NA (61) Patent (62) Divisional to Application NA (63) Patent (64) Patent (65) Divisional to Application (65) Divisional to Application (66) Divisional to Application (67) Patent (68) Patent (69) Patent (61) Patent (61) Patent (62) Divisional to Application (63) NA (64) Patent (7) Patent (8) Patent (8) Patent (8) Patent (9) Patent | (71)Name of Applicant : 1)HALDOR TOPS A/S Address of Applicant :Nym,llevej 55 DK 2800 Kgs. Lyngby Denmark (72)Name of Inventor : 1)HANSEN John B,gild |
|--|--|
|--|--|

(57) Abstract :

Process for converting biogas to a gas rich in methane comprising the steps of : mixing a carbon dioxide comprising biogas with steam to form a mixture comprising carbon dioxide methane and steam; electrolysing the mixture comprising carbon dioxide methane and steam in a high temperature solid oxide electrolyser cell unit to obtain a gas comprising mainly hydrogen and carbon monoxide; catalytically converting hydrogen and carbon monoxide in the gas comprising hydrogen and carbon monoxide to methane in one or more methanation steps to obtain a gas rich in methane.

No. of Pages : 27 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO OPHTHALMOLOGY

| (32) Priority Date:01/07/2010(33) Name of priority country <td:u.k.< td="">:U.K.(86) International Application:PCT/GB2011/051038No:02/06/2011Filing Date:WO 2012/001382</td:u.k.<> | 71)Name of Applicant : 1)OPTOS PLC. Address of Applicant :Queensferry House Carnegie Business Campus Queensferry Road Dunfermline Fife KY11 8GR U.K. 72)Name of Inventor : 1)GRAY Dan 2)PEMBERTON Stephen 3)SWAN Derek 4)THOMSON Martin |
|--|---|
|--|---|

(57) Abstract :

The invention provides an apparatus and method for scanning imaging and treating the retina of an eye. The apparatus (10) comprises a source of collimated light (14) a two dimensional scanning device (16) having two axes of rotation (16a 16b) wherein the axes of rotation (16a 16b) are orthogonal and substantially planar and wherein the source of collimated light (14) and the two dimensional scanning device (16) combine to provide a two dimensional collimated light scan from a point source (22). The apparatus (10) further comprises a scan transfer device (18) wherein the scan transfer device (18) has two foci (18a 18b) and the point source (22) is provided at a first focus point (18a) of the scan transfer device (18) and an eye (12) is accommodated at a second focus point (18b) of the scan transfer device (18) transfers the two dimensional collimated light scan from the point source (22) into the eye (12).

No. of Pages : 35 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :14/01/2013

(54) Title of the invention : SEPARATION DEVICE, FILTRATION DEVICE THEREFROM, AND METHODS THEREFOR

| | | (71)Name of Applicant : |
|---|-------|--|
| (51) International classification | :B01D | |
| (31) Priority Document No | :NA | Address of Applicant :SABIO INNOVATIVE SOLUTIONS |
| | | 11 |
| (32) Priority Date | :NA | PVT. LTD., 3045 Prestige Kensington Gardens, 17 HMT Main |
| (33) Name of priority country | :NA | Road, Jalahalli, Bangalore: Karnataka India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Wilson D'Souza |
| (87) International Publication No | : NA | 2)Udit Parekh |
| (61) Patent of Addition to Application Number | :NA | 3)Anand Sivaraman |
| Filing Date | :NA | 4)Archana Chakravarthy Babu |
| (62) Divisional to Application Number | :NA | 5)Venkatachalapathy Venkateshareddy |
| Filing Date | :NA | 6)Puttaraj Belaldavar |
| | | 7)Saikat Biswas |

(57) Abstract :

In one aspect, the invention provides a separation device that comprises a frit and a filter. The frit has a pore size and a frit thickness. The filter is characterized by a hydrophobicity or hydrophilicity, a filter thickness and a filter pore size. The frit pore size, frit thickness, filter thickness, and filter pore size are chosen such that a resistance to flow across the filter is significantly higher than that across the frit. The invention also provides a filtration apparatus that comprises the separation device of the invention. The filtration apparatus comprises an outer chamber that includes an inlet that allows the flow of the fluid sample and a lid near the inlet, and an inner chamber that includes an outlet, wherein a vacuum is applied through the outlet. The separation device is placed on one end of the inner chamber such that it is disposed at a predefined distance from the inlet.

No. of Pages : 33 No. of Claims : 35

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CONNECTING DEVICE FOR FIXING A PULL OUT GUIDE TO A SIDE GRATE

(57) Abstract :

The invention relates to a connecting device for fixing a pull out guide (5) to a side grate (1) in particular for baking ovens comprising a holder (10) which has at least one hook (11) for engaging with a horizontal brace (3) of the side grate (1) and a spring element (12 12 12 12) by means of which the holder (10) can be latched to the side grate (1) wherein the spring element (12 12 12 12) is designed as a separate component and has a flexible spring leg (15) for latching the holder (10).

No. of Pages : 23 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :04/01/2013

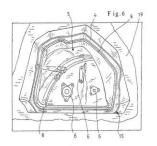
(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR THE PRODUCTION OF HOLLOW BODIES FROM THERMOPLASTIC AND APPARATUS FOR CARRYING OUT THE METHOD

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | PCT/EP2011/001590 :30/03/2011 | (71)Name of Applicant : 1)KAUTEX TEXTRON GMBH & CO. KG Address of Applicant :Kautexstr. 52 53229 Bonn Germany (72)Name of Inventor : 1)BERGMANN Guido 2)ELSASSER Carsten 3)SCHMITZ Marcus |
|--|----------------------------------|--|
| Application Number Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | I:NA :NA | |

(57) Abstract :

The invention refers to a method for the production of hollow bodies from thermoplastic in particular for the production of motor vehicle tanks in which the plastic is shaped as an extruded preform in the still plastic state or as a semi finished product into at least two shells with the aid of at least one moulding die (3) with the use of heat and the subsequently cooled and then dimensionally stable shells are placed one on the other and joined together into an essentially closed hollow body. As moulding die (3) is used at least one positive die which has essentially the contour of the shells. The shells are shaped by the plastic being laid against the positive die. The apparatus for carrying out the method is also disclosed.



No. of Pages : 29 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : 10-PROPARGYL-10-DEAZAAMINOPTERIN POLYMORPH AND ITS PROCESS

| (51) International classification | :C07D | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)SHILPA MEDICARE LIMITED |
| (32) Priority Date | :NA | Address of Applicant :SHILPA MEDICARE LIMITED, 2ND |
| (33) Name of priority country | :NA | FLOOR, 10/80, RAJENDRA GUNJ, RAICHUR Karnataka India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)SRIRAM RAMPALLI |
| (87) International Publication No | : NA | 2)PRADEEP; POTHANA |
| (61) Patent of Addition to Application Number | :NA | 3)VIJAYA MURALI MOHANRAO; SESHAGIRI |
| Filing Date | :NA | 4)CHATURVEDI; AKSHAY KANT |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides 10-Propargyl-10-Deazaaminopterin (I) crystalline polymorphic form designated as Form-SPR and its process for preparation thereof. The present application also provides 10-Propargyl-10-Deazaaminopterin (I) crystalline polymorphic Form-SPR useful as an active pharmaceutical ingredient in pharmaceutical composition comprising thereof and having anti-cancer activity.

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

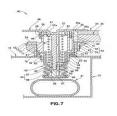
(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PRIMING PUMP APP | PARATUS | |
|--|-------------|---|
| | | |
| (51) International classification | :B60R | (71)Name of Applicant : |
| (31) Priority Document No | :2012- | 1)HONDA MOTOR CO., LTD. |
| (51) Flority Document No | 006219 | Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :16/01/2012 | MINATO-KU, TOKYO 107-8556 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MIURA, YUUSUKE |
| Filing Date | :NA | 2)HOKAZONO, SHOICHI |
| (87) International Publication No | : NA | 3)OHBA, ATSUSHI |
| (61) Patent of Addition to Application Number | :NA | 4)KOGA, YUKI |
| Filing Date | :NA | 5)MURATA, EIJI |
| (62) Divisional to Application Number | :NA | 6)HIROHARA, TAKESHI |
| Filing Date | :NA | |

(57) Abstract :

A priming pump apparatus (40) includes a priming pump (41) disposed below a floor (15) of a vehicle (10), and a tubular case (43) extending through a hole (33) of the floor (15) and attached to the floor (15) through a sealing member (42). The apparatus (40) also includes a push member (44) slidably disposed within the case (43), and a boot member (45) supported by the case (43) and covering the push member (44). The push member (44) includes a push body (87) to be pressed by manual operation within a passenger compartment (12) of the vehicle (10), and a push rod (88) attached to the push body (87) for activating the priming pump (41) through the boot member (45). (Fig. 7)



No. of Pages : 34 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :09/01/2013

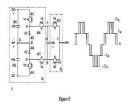
(43) Publication Date : 13/05/2016

| :H02M7/00 | (71)Name of Applicant : |
|--------------------|--|
| :NA | 1)ABB TECHNOLOGY LTD. |
| :NA | Address of Applicant : Affolternstrasse 44 CH 8050 Zurich |
| :NA | Switzerland |
| :PCT/CN2010/079713 | (72)Name of Inventor : |
| :13/12/2010 | 1)GUAN Eryong |
| :WO 2012/079213 | 2)RAILO Niko |
| NT A | 3)WU Aiping |
| | |
| :NA | |
| :NA | |
| :NA | |
| | :NA :NA :NA :PCT/CN2010/079713 :13/12/2010 :WO 2012/079213 :NA :NA :NA |

(54) Title of the invention : MULTI LEVEL VOLTAGE CONVERTER

(57) Abstract :

A voltage converter (4) and a voltage converter system are provided. The voltage converter (4) comprises: a multi level voltage converter (40) being adapted to output a first voltage with multiple levels at one of two first output terminals (A B) through a multiple of first conducting paths a first energy store (41) and a first switching element (42) being arranged to directly connect the first output terminals (A B) and being adapted to switch the first energy store (41) in or out of the first conducting path so as to combine a level of the voltage of the first energy store (41) with the level of the first voltage as a second voltage output at a second output terminal (C). By having the topology as above the voltage class of each power semiconductor can be kept lower with the number of the power semiconductors unchanged and the repetitive peak off state voltage of each power semiconductor is reduced thereby reducing the cost and increasing the reliability.



No. of Pages : 19 No. of Claims : 12

(22) Date of filing of Application :10/01/2013

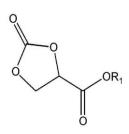
(43) Publication Date : 13/05/2016

(54) Title of the invention : 2 OXO 1 3 DIOXOLANE 4 CARBOXYLIC ACID AND DERIVATIVES THEREOF THEIR PREPARATION AND USE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :C07D317/34 :10166244.3 :17/06/2010 :EPO :PCT/EP2011/058945 :31/05/2011 :WO 2011/157551 :NA :NA :NA | (71)Name of Applicant : 1)Construction Research & Technology GmbH Address of Applicant :Dr. Albert Frank Str. 32 83308 Trostberg Germany (72)Name of Inventor : 1)MECFEL MARCZEWSKI Joanna 2)WALTHER Burkhard 3)MEZGER Jochen 4)KIERAT Radoslaw 5)STAUDHAMER Rosita |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

1Proposed are 2 Oxo 1 3 dioxolane 4 carboxylic acid and derivatives thereof according to the following formula in which R represents a negative charge hydrogen or can be preferably Me or Et or an n valent radical which may be substituted with at most n 1 further 2 oxo 1 3 dioxo lane 4 carboxyl groups as well as a process for their preparation by means of carboxylation of the corresponding epoxides a process for their transesterification and their use for the preparation of hydroxyurethanes and as end groups for the blocking of amines.



No. of Pages : 21 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : RNA INTERFERENCE MEDIATED INHIBITION OF CATENIN (CADHERIN ASSOCIATED PROTEIN) BETA 1 (CTNNB1) GENE EXPRESSION USING SHORT INTERFERING NUCLEIC ACID (SINA)

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | | (71)Name of Applicant : 1)SIRNA THERAPEUTICS, INC Address of Applicant :300 Third Street, Cambridge, Massachusetts 02142 U.S.A. (72)Name of Inventor : 1)DROUVER |
|--|--|---|
| (33) Name of priority country | :U.S.A. | Massachusetts 02142 U.S.A. |
| Filing Date (87) International Publication No | :PC1/0S2011/046178 :02/08/2011 :WO 2012/018754 | 1)BROWN Duncan 2)CUNNINGHAM James J. |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)GINDY Marian 4)PICKERING Victoria 5)STANTON Matthew G. |
| (62) Divisional to Application Number Filing Date | :NA :NA | 6)STIRDIVANT Steven M. 7)STRAPPS Walter |

(57) Abstract :

The present invention relates to compounds compositions and methods for the study diagnosis and treatment of traits diseases and conditions that respond to the modulation of CTNNB1 gene expression and/or activity and/or modulate a beta catenin gene expression pathway. Specifically the invention relates to double stranded nucleic acid molecules including small nucleic acid molecules such as short interfering nucleic acid (siNA) short interfering RNA (siRNA) double stranded RNA (dsRNA) micro RNA (miRNA) and short hairpin RNA (shRNA) molecules that are capable of mediating or that mediate RNA interference (RNAi) against CTNNB1 gene expression.



No. of Pages : 342 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND MODULE FOR CONTROLLING A VEHICLE'S SPEED

| classification | (71)Name of Applicant : 1)SCANIA CV AB |
|-------------------------------------|--|
| (31) Priority Document No :10506673 | Address of Applicant :S 151 87 Sdertlje Sweden (72)Name of Inventor : 1)JOHANSSON Oskar 2)S-DERGREN Maria 3)ROOS Fredrik |

(57) Abstract :

The invention relates to a method for controlling a vehicle s speed which comprises: adopting a desired speed vset for the vehicle; determining by means of map data and location data a horizon for the intended itinerary which is made up of route segments with at least one characteristic for each segment; effecting the following during each of a number of simulation cycles (s) each comprising a number N of simulation steps conducted at a predetermined frequency f: making a first prediction of the vehicle s speed v along the horizon with conventional cruise control when vset is presented as reference speed which prediction depends on the characteristics of said segment; comparing the predicted vehicle speed v with vmin and vmax which demarcate a range within which the vehicle s speed is intended to be; making a second prediction of the vehicle s speed v along the horizon when the result of said comparison in the latest preceding simulation cycle (s 1); determining at least one reference value for how the vehicle s speed is to be influenced on the basis of at least one of said comparisons in that simulation cycle (s) and the predicted vehicle speed v; sending to a control system in the vehicle said at least one reference value with respect to which the vehicle is thereupon regulated. The invention comprises also a module for controlling a vehicle s speed.



No. of Pages : 30 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :10/01/2013

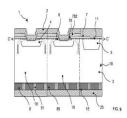
(54) Title of the invention : POWER SEMICONDUCTOR DEVICE

(43) Publication Date : 13/05/2016

(51) International (71)Name of Applicant : :H01L29/10,H01L29/06,H01L29/739 **1)ABB TECHNOLOGY AG** classification (31) Priority Document No :10166258.3 Address of Applicant : Affolternstrasse 44 CH 8050 Z¹/₄rich (32) Priority Date :17/06/2010 Switzerland (33) Name of priority (72)Name of Inventor: :EPO country **1)STORASTA Liutauras** (86) International 2)KOPTA Arnost :PCT/EP2011/060089 Application No **3)RAHIMO Munaf** :17/06/2011 Filing Date (87) International :WO 2011/157814 Publication No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

(57) Abstract :

A power semiconductor device with a wafer (10) comprising the following layers between an emitter electrode (2) on an emitter side (11) and a collector electrode (25) on a collector side (15) is provided: an (n) doped drift layer (3) an n doped first region (81) which is arranged between the drift layer (3) and the collector electrode (25) a p doped base layer (4) which is arranged between the drift layer (3) and the collector electrode (25) a p doped base layer (4) which is arranged between the drift layer (3) and the emitter electrode (2) which base layer (4) is in direct electrical contact to the emitter electrode (2) a gate electrode (7) which is electrically insulated from the base layer (4) the source region (6) and the drift layer (3). The emitter electrode (2) contacts the base layer (4) and the source region (6) within a contact area (22). An active semiconductor cell (18) is formed within the wafer (10) which includes layers or parts of such layers which lie in orthogonal projection with respect to the emitter side (11) of the contact area (22) of the emitter electrode to which the source region is in contact said source region (6) and such a part of the base layer (4) at which an electrically conductive channel can be formed. The device further comprises a p doped well (5) which is arranged in the same plane as the base layer (4) but outside the active cell (18). The well (5) is electrically connected to the emitter electrode (2) at least one of directly or via the base layer (4).



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

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMPROVED POLYURETHANE SEALING FOAM COMPOSITIONS PLASTICIZED WITH FATTY ACID ESTERS

| (51) International classification (31) Priority Document No | :C08G18/12,C08G18/32,C08G18/48 :61/362545 | (71)Name of Applicant : 1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant :2040 Dow Center Midland MI 48674 |
|--|--|---|
| (32) Priority Date | :08/07/2010 | U.S.A. |
| (33) Name of priority country | | (72)Name of Inventor : |
| (86) International Application No Filing Date (87) International Publication No | :PCT/US2011/042956 :05/07/2011 | 1)ANJUM Qavi 2)GRZESIAK Adam L. 3)NGUYEN Lena T. 4)JAMES Allan 5)FILICCIA Phillip |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 6)CHAUDHARY Bharat Indu 7)EL KHATIB Ali J. |

(57) Abstract :

Plasticized polyisocyanate compositions contain (a) an isocyanate terminated reaction product of a polymeric MDI with a difunctional poly(propylene oxide) homopolymer or difunctional copolymer of at least 85% by weight propylene oxide and up to 15% by weight ethylene oxide which homopolymer or copolymer has a molecular weight of from about 400 to 2200 and (b) at least one alkyl ester of one or more fatty acids the polyisocyanate composition having an isocyanate content of from about 8 to about 14% by weight and a Brookfield viscosity of no greater than 5000 cps at 25 °C. The plasticized prepolymers are particularly useful in foam formulations for insulating cavities in automotive parts and thermal insulating panels such as the walls of buildings or appliances.

No. of Pages : 27 No. of Claims : 18

(22) Date of filing of Application :04/01/2013

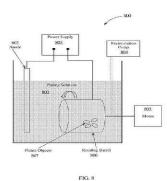
(43) Publication Date : 13/05/2016

(54) Title of the invention : METALLIC MATERIALS WITH EMBEDDED LUMINESCENT PARTICLES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :PCT/US2011/039918 :10/06/2011 | (71)Name of Applicant : 1)AUTHENTIX INC. Address of Applicant :Suite 100 4355 Excel Parkway Addison Texas 75001 U.S.A. 2)THE ROYAL MINT LIMITED (72)Name of Inventor : 1)CONROY Jeffrey L. 2)FORSHEE Philip B 3)SHEARER James A. |
|--|--------------------------------------|--|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2011/156676 :NA :NA :NA | |

(57) Abstract :

Formation of an authentication element by deposition of a metal layer with embedded particles on a metal substrate wherein the embedded particles are configured to convert energy from one wavelength to another. The embedded particles may be upconverters downconverters or phosphorescent phosphors which can be detected and measured with analytical equipment when deposited in the metal layer. A metal substrate may include coinage.



No. of Pages : 33 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : WIRELESS COMMUNICATION APPARATUSES AND RELATED METHODS (51) International classification :H04J (71)Name of Applicant : 1)MEDIATEK INC. (31) Priority Document No :61/589,057 (32) Priority Date :20/01/2012 Address of Applicant :No. 1, Dusing Rd. 1st, Science-Based (33) Name of priority country Industrial Park, Hsin-Chu, Taiwan, R.O.C. Taiwan :U.S.A. (86) International Application No (72)Name of Inventor : :NA Filing Date :NA 1)Chun-Ming Kuo (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 embodiment of the invention provides a method to be performed by a first wireless communication apparatus (120) in communicating with a second wireless communication apparatus (140). First, the first wireless communication apparatus (120) determines whether a plurality of sub-channels are simultaneously available for the second wireless communication apparatus (140). Then, the first wireless communication apparatus (120) simultaneously uses the sub-channels to transmit a plurality of divergent copies of a data segment to the second wireless communication apparatus (140), respectively, if the sub-channels are simultaneously available for the second wireless communication apparatus (140).

No. of Pages : 45 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(51) International classification :A23G4/00 (71)Name of Applicant : (31) Priority Document No 1)WM. WRIGLEY JR. COMPANY :61/356083 (32) Priority Date Address of Applicant :410 N. Michigan Ave. Chicago Illinois :18/06/2010 (33) Name of priority country :U.S.A. 60611 U.S.A. (86) International Application No :PCT/US2011/040758 (72)Name of Inventor : Filing Date :16/06/2011 1)JOHNSON Sonva (87) International Publication No :WO 2011/159935 2)SHELDON Gloria (61) Patent of Addition to Application **3)CASTRO Armando** :NA Number 4)YATKA Robert :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : CHEWING GUM CONTAINING COMBINATIONS OF PHYSIOLOGICAL COOLING AGENTS

(57) Abstract :

A method for producing a chewing gum and confections as well as the chewing gum and confections so produced incorporates combinations of physiological cooling agents. In another embodiment a combination of physiological cooling agents is made in a modified release structure. The modified release/cooling agents combination is preferably obtained by physically modifying the properties of the combination of cooling agents by coating and drying. When incorporated into gum and confections these particles are adapted to enhance the shelf stability of the flavor and/or produce a modified release. In another embodiment coated chewing gum has a coating that comprises combinations of physiological cooling agents. The preferred inventive chewing gum provides a high flavor impact in which the harsh notes normally associated with such a high flavor impact have been reduced or eliminated.

No. of Pages : 168 No. of Claims : 7

(19) INDIA

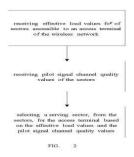
(22) Date of filing of Application :10/01/2013

(54) Title of the invention : LOAD BALANCING BASED ON SECTOR LOAD AND SIGNAL QUALITY MEASUREMENTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :61/358539 :25/06/2010 | (71)Name of Applicant : 1)QUALCOMM Incorporated Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego CA 92121 1714 U.S.A. (72)Name of Inventor : 1)GHOSH Donna 2)LOTT Christopher Gerard 3)NANDAKUMAR Shweta 4)ATTAR Rashid Ahmed Akbar 5)MENON Vinod V. 6)CHEN Chunhao 7)AZARIAN YAZDI Kambiz 8)GOWAIKAR Radhika |
|---|---------------------------|--|
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(57) Abstract :

A method of communicating in a wireless network including receiving effective load values for sectors accessible to an access terminal of the wireless network. The effective load values represent effective loads on the sectors. The method also includes receiving pilot signal channel quality values of the sectors and selecting a serving sector for the access terminal based on the effective load values and the pilot signal channel quality values.



No. of Pages : 34 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :08/01/2013

(21) Application No.167/CHENP/2013 A

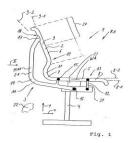
(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/EP2011/002908 :14/06/2011 :WO 2011/157392 A1 :NA :NA | (71)Name of Applicant : 1)PLIKAT Claudia Address of Applicant :Franklinstrasse 15 15a 10587 Berlin Germany 2)SCHMITZ Burkhard 3)ZWICK Carola 4)ZWICK Roland (72)Name of Inventor : 1)PLIKAT Claudia 2)SCHMITZ Burkhard 3)ZWICK Carola 4)ZWICK Roland |
|--|---|---|

(54) Title of the invention : CHAIR

(57) Abstract :

The invention relates to a chair (1) which comprises a continuous supporting element (2) a movement mechanism (3) and a framework (4) wherein the movement mechanism (2) comprises a torsion element (11) which carries the back part (9) and controls the inclination of the back part (9) wherein the back part (9) of the supporting element (2) is connected to the torsion element (11) exclusively above a lordosis support (19) and wherein the supporting element (2) uses elastic deformation to compensate for a relative movement between the back region (6) and the seat region (5) which occurs when the loading to which the chair (1) is subjected is changed by the person sitting on the chair.



No. of Pages : 62 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

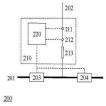
(54) Title of the invention : FAULT PROTECTION OF HVDC TRANSMISSION LINES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :61/354527 :14/06/2010 :U.S.A. :PCT/EP2010/063372 :13/09/2010 | (71)Name of Applicant : 1)ABB RESEARCH LTD Address of Applicant :Affolternstrasse 44 CH 8050 Zurich Switzerland (72)Name of Inventor : 1)BERGGREN Bertil 2)WANG Jianping 3)PAN Juiping 4)SRIVASTAVA Kailash 5)LINDEN Kerstin 6)NUQUI Reynaldo |
|--|---|---|
|--|---|---|

(57) Abstract :

A protection system (200) for high voltage direct current HVDC transmission lines is provided. The protection system comprises a direct current DC bus (201) means (202) for connecting an HVDC transmission line to the bus at least one DC circuit breaker (203 204) arranged for disconnecting the transmission line from the bus upon reception of a trip signal current (211) and voltage sensors (212) an inductor (213) arranged such that the current through the transmission line passes the inductor and a fault detection unit (220). The fault detection unit is arranged for assessing on the basis of current and/or voltage measurements whether a fault exists on the transmission line and sending if a fault is detected on the transmission line a trip signal to the circuit breaker. The additional inductance limits the rise in fault current and facilitates a selective fault detection. Further a method of fault protection for an HVDC transmission line is provided.

Fig. 2



No. of Pages : 26 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :09/01/2013

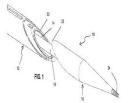
(43) Publication Date : 13/05/2016

(54) Title of the invention : INTRAVASCULAR ARTERIAL TO VENOUS ANASTOMOSIS AND TISSUE WELDING CATHETER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :A61B18/08 :61/354903 :15/06/2010 :U.S.A. :PCT/US2011/040567 | (71)Name of Applicant : 1)CAYMUS MEDICAL INC. Address of Applicant :41775 Elm Street Suite 303 Murrieta CA 92562 U.S.A. 2)BAJA RESEARCH LLC. |
|--|--|---|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :15/06/2011 :WO 2011/159825 :NA :NA | (72)Name of Inventor : 1)KELLERMAN Brad M. 2)ALDRIDGE David Trottingwolf 3)WROLSTAD David K. 4)RITCHART Mark A. |
| (62) Divisional to Application Number Filing Date | :NA :NA | 5)HULL Jeffrey E. |

(57) Abstract :

A device for creating an arteriovenous (AV) fistula comprises an elongate member a distal member connected to the elongate member and movable relative to the elongate member and a heating member disposed on at least one of the movable distal member and the elongate member. The distal member comprises structure for capturing tissue to be cut to create the fistula and the heating member is adapted to cut through the tissue to create the fistula. The elongate member comprises an elongate outer tube. A shaft connects the distal member to the elongate member and is extendable and retractable to extend and retract the distal member relative to the elongate member.



No. of Pages : 29 No. of Claims : 21

(19) INDIA

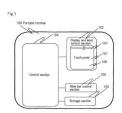
(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ELECTRONIC DEVICE AND ADJUSTMENT METHOD FOR ADJUSTING SETTING VALUE (51) International classification :G06F3/048 (71)Name of Applicant : (31) Priority Document No 1)LENOVO INNOVATIONS LIMITED (HONG KONG) :2010-138707 (32) Priority Date Address of Applicant :23rd Floor, Lincoln House, Taikoo :17/06/2010 (33) Name of priority country Place, 979 King's Road, Quarry Bay Hongkong(China) :Japan :PCT/JP2011/059365 (72)Name of Inventor : (86) International Application No 1)FUJIBAYASHI Toshihiko Filing Date :15/04/2011 :WO 2011/158549 (87) International Publication No A1 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Provided is an electronic apparatus capable of resolving the problem of extensive time requirements for the fine adjustment of settings. A display input control unit (102) displays on a display screen (106) a slide bar (107) for adjusting settings and detects a touch position in which a touch operation took place on the display screen (106). On the basis of the touch position detected by the display input control unit (102) a control unit (104) detects a first operation in which the slide bar (107) is dragged in a direction parallel thereto and detects a second operation on the slide bar (107) different to the first operation. The slide bar control unit (105) changes the settings in response to the parallel movement distance which is the movement distance of the touch position in the first operation and the operation content of the second operation.



No. of Pages : 24 No. of Claims : 9

(43) Publication Date : 13/05/2016

| (54) Title of the invention : INJECTABLE SELF PROTECTION RING | | |
|---|-------|---|
| | | |
| (51) International classification | :G21C | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)IMRAN KHAN |
| (32) Priority Date | :NA | Address of Applicant :Z.A.R.S., BABBUR FARM (POST), |
| (33) Name of priority country | :NA | HIRIYUR (TALUK), CHITRADURGA (DIST) - 572 143 |
| (86) International Application No | :NA | Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)IMRAN KHAN |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This invention is related to a method of preparing Injectable Self Protection Ring in the form of Jewelry Ring, wherein it comprises a micro store and pump, locking mechanism, needle, drug either Capsaicin or Formic Acid also known as Ant Venom or Honey bee venom or any other pain causing agents like histamines or Prostaglandins or Leukotriens etc and RFID tag to track the device and users to prevent its mis-use. It is a self defense ring which contains micro tank, micro needle, micro pump and RFID tag on top side of the ring with dual lock mechanism. Micro tank helps m storage of drug, Micro pump helps in pumping or injecting drug into human body and micro needle helps to penetrate any part of the body. On injecting drug at any part of the body the drug causes severe pain, burning sensation and inflammation which will last for 40 to 45 minutes. RFID is helpful in preventing misuse of device. To use this device user need to unlock two locking mechanisms. We have designed it in such a way that nobody can tamper or break the device. Womens can use this device to protect themselves from rape or gang rape or murder attacks. As everybody know that women are physically weaker than men. Hence she cant able to defend herself effectively, hence womens are frequently undergone such cruel attacks. Womens can use this device effectively to protect themselves.

No. of Pages : 14 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SLI | DING CONTACT SWITCH | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H01H1/36,H01H1/40,H01H1/50 :10 2010 029 979.0 :11/06/2010 :Germany :PCT/EP2011/057118 :04/05/2011 o:WO 2011/154202 :NA :NA :NA | (71)Name of Applicant : 1)ZF FRIEDRICHSHAFEN AG Address of Applicant :88038 Friedrichshafen Germany (72)Name of Inventor : 1)PABST Michael 2)MLLER Alfons |

(57) Abstract :

Electrical sliding contact switch (1) which has a contact maker element (2) having a first (3) and a second (4) sliding contact which sliding contacts are fixedly connected to one another and are pushed against a surface (5) which forms a common sliding region (6) in the same direction (X) by way of respective bearing regions (3a 4a) wherein in each case one insulating section (9 10) and one contact section (11 12) are formed for in each case one sliding contact (3 4) in the common sliding region (6) wherein a bearing region (3a 4a) of a sliding contact (3 4) in each case passes over an insulating section (9 10) when the respectively other sliding contact (4 3) passes over its contact section (12 11) by way of its bearing region (4a 3a) wherein a cutout (14) is formed within an insulating section (9 10) a bearing region (3a 4a) of a sliding contact (3 4) passing over said cutout if the other sliding contact (4 3) passes over its contact section (12 11).

No. of Pages : 15 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : POLYMER COMPOSITE MATERIAL WITH BIOCIDE FUNCTIONALITY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :A01N25/10,A01N25/34,A01G13/02 :61/364923 :16/07/2010 :U.S.A. :PCT/EP2011/061957 :13/07/2011 :WO 2012/007505 :NA | (71)Name of Applicant : 1)BAYER INNOVATION GMBH Address of Applicant :Kaiser Wilhelm Allee 20 51373 Leverkusen Germany (72)Name of Inventor : 1)DUJARDIN Ralf 2)NORWIG Jochen 3)VAN DEN EYNDE Koen 4)PUDLEINER Heinz |
|--|---|---|
| Filing Date (62) Divisional to | :NA :NA | |
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to polymer composite materials with biocide functionality methods for producing such polymer composite materials and their use in particular for agriculture.

No. of Pages : 27 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :F17C9/02,F16L55/04 :2010-139208 :18/06/2010 :Japan :PCT/JP2011/002183 :13/04/2011 :WO 2011/158417 A1 | (71)Name of Applicant : 1)KABUSHIKI KAISHA KOBE SEIKO SHO Address of Applicant :10 26 Wakinohama cho 2 chome Chuo ku Kobe shi Hyogo 6518585 Japan (72)Name of Inventor : 1)ARIHARA Hirotoshi 2)UEDA Hiroki |
|---|---|--|
| (86) International Application No | :PCT/JP2011/002183 | (72)Name of Inventor : |
| 6 | | |
| (87) International Publication No (61) Patent of Addition to Application | :WO 2011/158417 A1 | 2)UEDA Hiroki 3)IMANISHI Etsujiro |
| Number | :NA | 4)NISHIMURA Makoto |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : VAPORIZER FOR LOW TEMPERATURE LIQUEFIED GASG

(57) Abstract :

A vaporizer (10) for low temperature liquefied gas is characterized by being provided with a plurality of vaporizing tube blocks (11) in each of which a plurality of vaporizing tube panels (16) in each of which a plurality of vaporizing tubes (21) for vaporizing the liquefied gas by heat exchange with the outside are disposed on a vertical plane are disposed in the direction orthogonal to the vertical plane a dispensing tube (12) which is connected to the respective vaporizing tube blocks (11) and dispenses the liquefied gas to the respective vaporizing tube blocks (11) a collecting tube (14) which is connected to the respective vaporizing tube blocks (11) and collects and sends out the liquefied gas vaporized in the vaporizing tube blocks (11) and an inter block pulsation suppressing means (13) which suppresses the propagation of pressure pulsation between the vaporizing tube blocks (11) connected to each other by the dispensing tube (12) and the collecting tube (14).

No. of Pages : 62 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMAGE PICKUP APPARATUS AND IMAGE PICKUP SYSTEM

| (51) International classification | :H01L | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :2012- | 1)CANON KABUSHIKI KAISHA |
| | 008204 | Address of Applicant :3-30-2, SHIMOMARUKO, OHTA-KU, |
| (32) Priority Date | :18/01/2012 | TOKYO Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)KOBAYASHI, MASAHIRO |
| Filing Date | :NA | 2)KISHI TAKAFUMI |
| (87) International Publication No | : NA | 3)YAMASHITA YUICHIRO |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In a photoelectric conversion apparatus that adds signals of a plurality of photoelectric conversion elements included in photoelectric conversion units, each of the plurality of photoelectric conversion elements includes a first semiconductor region of a first conductivity type that collects signal carriers. The first semiconductor regions included in photoelectric conversion elements that are included in each of the photoelectric conversion units and that are arranged adjacent to each other sandwich a second semiconductor region of a second conductivity type. A height of a potential barrier for the signal carriers generated in a certain region of the second semiconductor region is smaller than a height of a potential barrier for the signal carriers generated in a third semiconductor region between each of the first semiconductor regions and an overflow drain region of the first conductivity type.

No. of Pages : 61 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTENNA FOR A MOIST ENVIRONMENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | | (71)Name of Applicant : 1)COMMISSARIAT A LENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES Address of Applicant :Btiment Le Ponant D 25 Rue Leblanc F 75015 Paris France (72)Name of Inventor : 1)THOMAS Thierry |
|---|------------|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to an inductive antenna comprising: a first planar conductive winding (42) on a first surface of a substrate said first winding being cut off at regular intervals so as to form a series of pairs of first conductors (522 524; 542 546; 562 564); and a second planar conductive winding (44) on a second surface of the substrate said second winding being provided opposite the first winding and cut off in a direction vertically perpendicular to that of the cutoffs of the first winding so as to form a series of pairs of second conductors (526 528; 546 548; 66 568). Each pair of first conductors defines a resonant subassembly with the pair of second conductors opposite thereto wherein each of the two first conductors of a single subassembly are electrically connected to another first conductor of another subassembly or to a terminal (41 43) of the antenna the second conductor is either electrically connected (523 543 563 525 545 565) to one end (5284 5264 5484 5464 5684 5664) of a second conductor of the subassembly in question or is not connected thereto in which case the second conductors of the subassembly in question are electrically connected to one another.

No. of Pages : 28 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TREATMENT OF COAGULOPATHY WITH HYPERFIBRINOLYSIS

| (32) Priority Date:14/06/2010Address(33) Name of priority country:EPOGermany(86) International Application:PCT/EP2010/0076321)PETEINo:15/12/20102)NESHI | of Applicant : N DEUTSCHLAND GMBH ss of Applicant :Martinstrae 10 12 52062 Aachen of Inventor : RSEN Karl Uwe EIM Michael Ernest Y Jonathan Herbert |
|---|---|
|---|---|

(57) Abstract :

The present invention relates to the use of thrombomodulin analogues for the manufacture of a medicament for the treatment of coagulopathy with hyperfibrinolysis such as haemophilia disorders. These thrombomodulin analogues exhibit at therapeutically effective dosages an antifibrinolytic effect. Novel protein modifications together with methods for their identification are disclosed.

No. of Pages : 139 No. of Claims : 34

(21) Application No.265/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :G01N30/88 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :2010-139485 | 1)DAICEL CORPORATION |
| (32) Priority Date | :18/06/2010 | Address of Applicant :4 5 Umeda 3 chome Kita ku Osaka shi |
| (33) Name of priority country | :Japan | Osaka 5300001 Japan |
| (86) International Application No | :PCT/JP2011/063914 | (72)Name of Inventor : |
| Filing Date | :17/06/2011 | 1)KAWATA Yuki |
| (97) Let $\mathbf{n} \in \{1, \dots, 1, \mathbb{N}\}$ be the set $\mathbf{n} \in \mathbb{N}$ | :WO 2011/158935 | |
| (87) International Publication No | A1 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : RESOLVING AGENT FOR OPTICAL ISOMERS

(57) Abstract :

Provided is a resolving agent for optical isomers said resolving agent containing a cellulose derivative or an amylose derivative and having excellent enantioselective recognition ability. The aforesaid resolving agent for optical isomers comprises a polysaccharide derivative wherein hydrogen atoms in hydroxyl groups carried by the polysaccharide are partially or entirely substituted by two specific groups which act on an optical isomer to be separated in optical resolution and the sum of the average numbers of specific terminal substituents which have been introduced into said groups is greater than 3.0 per monosaccharide unit.

No. of Pages : 24 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR ASSOCIATING AND CONSOLIDATING MME BEARER MANAGEMENT FUNCTIONS

| (51) International classification | ·H04W | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)TEJAS NETWORKS LIMITED |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO: 25, JP SOFTWARE PARK, |
| (33) Name of priority country | :NA | ELECTRONIC CITY, PHASE 1, HOSUR ROAD, |
| (86) International Application No | :NA | BANGALORE - 560 100 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)VINOD KUMAR M |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An aspect of the invention provides for a method of managing bearer signaling for one or more user equipments (UEs) coupled to a eNodeB via at least one relay node, by generating and sending MME Association Consolidation (MAC) request message by the eNodeB to the plurality of disparate mobility management entities managing plurality of user equipments coupled to the said relay node based on receiving bearer resource request of at least one user equipment coupled to the said relay node. The method further comprising of making available to the MME of the said relay node, MME Association Consolidation (MAC) response from the said plurality of disparate mobility management entities managing plurality of user equipments coupled to the said relay node and provisioning by the MME of the said relay node the bearer resource request of at least an user equipment, based on the received MAC response, and provisioning the consequential bearer request of the said relay node wherein, provisioning includes creating, updating, modifying and deleting bearers of UE and RN. Figure 3.

No. of Pages : 23 No. of Claims : 6

(22) Date of filing of Application :08/01/2013

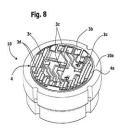
(43) Publication Date : 13/05/2016

| (51) International classification | :G01L9/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :TO2010A000616 | 1)METALLUX SA |
| (32) Priority Date | :15/07/2010 | Address of Applicant :via Moree 12 CH 6850 Mendrisio |
| (33) Name of priority country | :Italy | Switzerland |
| (86) International Application No | :PCT/IB2011/053154 | (72)Name of Inventor : |
| Filing Date | :14/07/2011 | 1)MONICHINO Massimo |
| (87) International Publication No | :WO 2012/007922 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1174 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : SENSOR AND METHOD OF MANUFACTURE THEREOF

(57) Abstract :

A sensor in particular a pressure sensor having: a structure which comprises a supporting body (10); a circuit arrangement (4) comprising circuit components (3a 3b 3c 3d) amongst which detection means (3c) for generating electrical signals representing a quantity to be detected; and at least one circuit support (4a). which is connected to the supporting body (10) and has a surface formed on which is a plurality of said circuit components (3a 3b 3c.3d) amongst which electrically conductive paths (3a. 3b). where the circuit support (4a) is laminated on the first face (10a) of the supporting body (10).



No. of Pages : 32 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPIRAL ARRANGEMENT OF TEETH SETS IN COCONUT SCRAPER

| (51) International classification | :A61C | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)NAMPUZHACKAL THOMAS GEORGE VAIDYAR |
| (32) Priority Date | :NA | Address of Applicant :MAMPUZHACKAL (H), |
| (33) Name of priority country | :NA | CHEMPERI(P.O), KANNURE (DT) - 670 632 Kerala India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)NAMPUZHACKAL THOMAS GEORGE VAIDYAR |
| (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 spiral arrangement of teeth sets is coconut seraper is a new owtboo of making of coconut scraper. the teeth ets that are nanupulates is such a nancer that the efficiently of scrapiwg will iaprove. This investion can fulfil the criteria of further inventiins and modifications.

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

(22) Date of filing of Application :09/01/2013

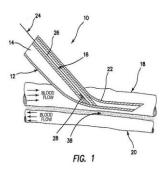
(43) Publication Date : 13/05/2016

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|--|--------------------|---|
| | | |
| (51) International classification | :A61B17/08 | (71)Name of Applicant : |
| (31) Priority Document No | :61/354903 | 1)CAYMUS MEDICAL INC. |
| (32) Priority Date | :15/06/2010 | Address of Applicant :41775 Elm Street Suite 303 Murrieta |
| (33) Name of priority country | :U.S.A. | CA 92562 U.S.A. |
| (86) International Application No | :PCT/US2011/040530 | 2)BAJA RESEARCH LLC. |
| Filing Date | :15/06/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2011/159802 | 1)HULL Jeffrey E. |
| (61) Patent of Addition to Application | :NA | 2)RITCHART Mark A. |
| Number | :NA :NA | 3)WROLSTAD David |
| Filing Date | .NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : SYSTEMS AND METHODS FOR CREATING ARTERIOVENOUS (AV) FISTULAS

(57) Abstract :

A system for creating an arteriovenous (AV) fistula comprises a vessel access sheath having a hollow interior and an exit port a side access needle catheter configured to fit within the hollow interior of the sheath a needle configured to be inserted into a blood vessel through the side access needle catheter a toggle delivery catheter configured to fit within the hollow interior of the sheath and a toggle apparatus configured to be delivered into a vessel through the toggle delivery catheter. The toggle apparatus comprises a shaft and a toggle member pivotably attached to a distal end of the shaft. A source of RF energy or resistive heat energy may be provided for application to the toggle member and/or to a heater insert in the toggle delivery catheter for the purpose of creating the fistula.



No. of Pages : 52 No. of Claims : 35

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : HEAT TREATMENT FURNACE | | |
|---|-------------|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :08/02/2012 | (71)Name of Applicant : 1)SHOEI MFG. CO. LTD. Address of Applicant :9 11 Setoguchi 4 chome Hirano ku Osaka shi Osaka 5470034 Japan (72)Name of Inventor : 1)KAJITANI Tsuyoshi |

(57) Abstract :

In order to improve heat transfer efficiency this heat treatment furnace is equipped with a furnace body (10) a hearth (12) a blowing device (14) a wind passing member (16) a heating device (18) and shelves (20). The furnace body (10) has openings (36) equipped with doors. The wind passing member (16) has a tubular part and wind guiding parts. The tubular part has an inlet and shelf facing outflow ports. Wind flows in from the inlet. The shelf facing outflow ports face the shelves (20). The wind flows out from the shelf facing outflow ports. The wind guiding parts are attached to the tubular part. The wind guiding parts block a portion of the wind flowing along the inner circumferential surface of the tubular part and guide this portion of the wind toward the shelf facing outflow ports.

No. of Pages : 51 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :15/01/2013

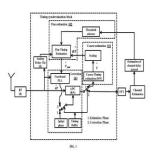
(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND SYSTEM FOR TIMING SYNCHRONIZATION AT SUB-SAMPLED RATE FOR SUB-SAMPLED WIDEBAND SYSTEMS

| (51) International classification | :H04L | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)SAMSUNG R & D INSTITUTE INDIA- BANGALORE |
| (32) Priority Date | :NA | PRIVATE LIMITED |
| (33) Name of priority country | :NA | Address of Applicant :2870, Orion Building, Bagmane |
| (86) International Application No | :NA | Constellation Business Park, Outer Ring Road, Doddanekundi |
| Filing Date | :NA | Circle, Marathahalli Post, Bangalore- Karnataka India |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)Debarati Sen |
| Filing Date | :NA | 2)Jinesh P. Nair |
| (62) Divisional to Application Number | :NA | 3)Sujit Jos |
| Filing Date | :NA | 4)Arun Naniyat |

(57) Abstract :

A method and system for timing synchronization at sub-sampled rate for sub-sampled wideband systems is disclosed. The method provides a timing synchronizer with high synchronization probability for obtaining a better channel estimate. The synchronizer provides a mixed mode solution by providing coarse estimation in digital domain and fine estimation with correction in analog domain. The method also provides a design of the training sequence that enables parameter estimation at the sub-sampled rate. FIG. 1



No. of Pages : 39 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :09/01/2013

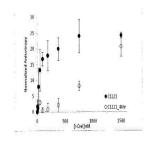
(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR IMPROVING CLEAVAGE OF DNA BY ENDONUCLEASE SENSITIVE TO METHYLATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :15/06/2011 :WO 2012/001527 :NA :NA :NA | (71)Name of Applicant : CELLECTIS Address of Applicant :8 rue de la Croix Jarry F 75013 Paris France (72)Name of Inventor : DUCHATEAU Philippe VALTON Julien DABOUSSI Fayza |
|--|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention concerns novel methods for improving cleavage of DNA by rare cutting endonucleases overcoming DNA modification constraints particularly DNA methylation thereby giving new tools for genome engineering particularly to increase the integration efficiency of a transgene into a genome at a predetermined location including therapeutic applications and cell line engineering.



No. of Pages : 87 No. of Claims : 42

(21) Application No.257/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :10/01/2013

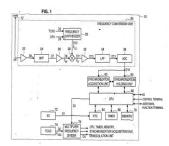
(43) Publication Date : 13/05/2016

(54) Title of the invention : RECEPTION DEVICE RECEPTION METHOD COMPUTER PROGRAM AND MOBILE TERMINAL

| (51) International classification | :G01S19/34,G01S19/37 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :2010-159596 | 1)SONY CORPORATION |
| (32) Priority Date | :14/07/2010 | Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 |
| (33) Name of priority country | :Japan | Japan |
| (86) International Application No | :PCT/JP2011/065457 | (72)Name of Inventor : |
| Filing Date | :06/07/2011 | 1)TANAKA Katsuyuki |
| (87) International Publication No | :WO 2012/008338 | 2)TAKAHASHI Hideki |
| (61) Patent of Addition to Application Number | :NA | 3)AWATA Hideki |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

To provide a receiving device which is capable of reducing average power and peak power by holding pseudo synchronization of a satellite signal during a sleep period. Provided is a receiving device including a receiving unit for receiving a signal from a satellite, a frequency conversion unit for converting a frequency of the received signal into a predetermined intermediate frequency, a synchronization acquisition unit for carrying out synchronization acquisition and for detecting a carrier frequency, and a synchronization holding unit for assigning and setting, per satellite, a phase of the spread code and the carrier frequency to each of a plurality of channels independently provided in a corresponding manner to a plurality of the satellites to synchronization holding unit includes a spreading code generation unit for generating a spreading code synchronized with the spread code, and in a sleep period in which a positioning operation is not carried out, the synchronization holding unit causes only the spreading code generation unit to operate and a counter that the synchronization holding unit refers to also operates. Representative Drawing Fig. 1



No. of Pages : 61 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :15/01/2013

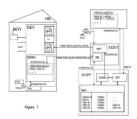
(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR INSTALLATION OF AN APPLICATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (27) Leteentieved D bliveties | :PCT/EP2011/060272 :21/06/2011 | (71)Name of Applicant : 1)ALCATEL LUCENT Address of Applicant :3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor : 1)MICHIELSENS Jan 2)JUSTEN Pascal |
|--|-----------------------------------|--|
| (87) International Publication No | :WO 2012/000825 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | NA NA | |

(57) Abstract :

The method for installation of an application (APP2) at a customer device (DEV) by a server (SERV) in a remote procedure call protocol environment comprises: applying a proximity based interaction at the device and providing thereby interaction information (INTER); and retrieving by a retriever (RET) based upon the interaction information an application identification (APP2 ID) from a proximity server (PROX SERV); and forwarding by a first forwarder (FORW1) an initiation message (INIT) towards the server that comprises the application identification for initiating the installation; and installing by the server upon reception of the initiation message and according to the remote procedure call protocol the application according to the application identification on the customer device.



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

(19) INDIA

(22) Date of filing of Application :08/01/2013

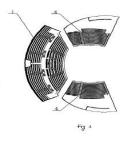
(43) Publication Date : 13/05/2016

| (51) International classification | :B60N | (71)Name of Applicant : |
|---|-----------------|--|
| (31) Priority Document No | :201210019043.5 | 1)DALIAN WANDA GROUP CO., LTD, |
| (32) Priority Date | :20/01/2012 | Address of Applicant :No.539 Changjiang Road, Xigang |
| (33) Name of priority country | :China | District, Dalian, P.R. China Postcode 116011 China |
| (86) Intern tional Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)LAI JIANYAN |
| (87) International Publication No | : NA | 2)WANG YUAN |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : MOVABLE STAND WITH VARIABLE VIEWING ANGLES •

(57) Abstract :

A movable stand with variable viewing angles comprises hoistable seats, rotatable seats and a main control system. The hoistable seats include a hoistable platform structure, guiding pillars and hydraulic devices, wherein the hydraulic devices support and drive the hoistable seats to move up and down. The rotatable seats comprise rotatable platform structures, rotating pillars and friction driving mechanisms. The rotatable seats are rotatable around the rotating pillars. The movement of the hoistable seats and rotatable seats is controlled by the main control system in such a way that, the hoistable seats are on the same level as the rotatable seats when the hoistable seats are in the lowest position, and the rotatable seats move below....



No. of Pages : 18 No. of Claims : 7

(21) Application No.128/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : IMAGE FORMATION SYSTEM AND IMAGE FORMATION DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H04N1/00,B41J29/38,G06F3/12 :2010132713 :10/06/2010 :Japan :PCT/JP2011/060132 :26/04/2011 o:WO 2011/155274 :NA :NA :NA | (71)Name of Applicant : 1)SHARP KABUSHIKI KAISHA Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi Osaka 5458522 Japan (72)Name of Inventor : 1)FUJIKI Daisuke 2)TANIUCHI Toshiyuki |
|---|--|--|
|---|--|--|

(57) Abstract :

The disclosed image formation system (10) has multiple functional units and has a multifunction printer (16) which during energy saving mode is capable of performing control to switch each functional unit to an energy saving mode. Further the image forming system (10) is provided with a PC (14) and a server (12). During energy saving mode the server (12) sets certain functional units from said multiple functional units to switch to energy saving mode on the basis of time information the log in state of users on the personal computer (14) and past use history of the multifunction printer (16).

No. of Pages : 42 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : 3D LAYERING OF MAP METADATA

(57) Abstract :

Techniques and tools are described for rendering views of a map in which map metadata elements are layered in 3D space through which a viewer navigates. Layering of metadata elements such as text labels in 3D space facilitates parallax and smooth motion effects for zoom in zoom out and scrolling operations during map navigation. A computing device can determine viewer position that is associated with a view altitude in 3D space then render for display a map view based upon the viewer position and metadata elements layered at different metadata altitudes in 3D space. For example the computing device places text labels in 3D space above features associated with the respective labels at the metadata altitudes indicated for the respective labels. The computing device creates a map view from points of the placed labels and points of a surface layer of the map that are visible from the viewer position.

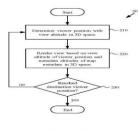


Figure 2

No. of Pages : 41 No. of Claims : 15

(22) Date of filing of Application :03/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : ELECTRIC ROTATIN | G MACHINE • | |
|--|------------------|--|
| | | |
| (51) International classification | :H02K | (71)Name of Applicant : |
| (31) Priority Document No | :2012- 020224 | 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, |
| (32) Priority Date | :01/02/2012 | Hamamatsu-shi, Shizuoka-Ken, Japan Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NĀ | 1)Masahiro AOYAMA |
| 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 :

An electric rotating machine includes a stator having a plurality of stator teeth facing a rotor. The rotor has a plurality of pairs of permanent magnets. Permanent magnets of each pair are located in a V • shape configuration and form a magnetic pole. Every other tooth of the plurality of stator teeth is a long stator teeth and an adjacent tooth is a short stator teeth. Adjusting recesses formed in the rotor are at symmetrical, about a d-axis of each magnetic pole, locations in a way that each of the adjusting recesses has a width made equal to a width of one of the stator teeth and their deepest levels are equidistant from a d-axis of the magnetic pole in one and the opposite circumferential directions angularly about the axis of the rotor by 560 in electrical degrees.

No. of Pages : 49 No. of Claims : 4

(21) Application No.204/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND DEVICE FOR REDUCING DEPOSITION OF ASH IN HEATING FURNACE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :2010-159348 :14/07/2010 :Japan :PCT/JP2011/065992 :13/07/2011 | (71)Name of Applicant : 1)KABUSHIKI KAISHA KOBE SEIKO SHO Address of Applicant :10 26 Wakinohama cho 2 chome Chuo ku Kobe shi Hyogo 6518585 Japan (72)Name of Inventor : 1)AKIYAMA Katsuya 2)PAK Haeyang 3)TAKUBO Yoji |
|--|--|---|
|--|--|---|

(57) Abstract :

Provided is a method for preventing deposition of ash by precisely predicting ash deposition inside a heating furnace in which the fuel is a mixture of a metal compound or a metal containing compound added to a variety of types of solid fuels including bony coal in order to find the appropriate mixture ratio. The method for preventing deposition of ash inside a heating furnace comprises: a step (S1) for measuring the composition of the ash component of a plurality of types of solid fuel scheduled for use in a heating furnace and the inorganic composition of a metal compound or a metal containing compound; and a step (S2) for determining a specific mixture ratio that provides a composition of an ash component having a slag ratio that is no greater than a standard value said determination being made in accordance with the composition of the ash component of solid fuel obtained by adding and mixing the metal compound or the metal containing compound at a plurality of mixture ratios and in accordance with a slag ratio representing the ratio when a specific atmospheric temperature and in a specific atmospheric gas composition. The method for preventing deposition of ash inside a heating furnace also comprises a step (S3) for feeding a mixture obtained by adding and mixing the metal compound or the metal containing furnace also comprises a step (S3) for feeding a mixture obtained by adding and mixing the metal compound or the metal containing furnace also comprises a step (S3) for feeding a mixture obtained by adding and mixing the metal compound or the metal containing compound at a predetermined mixture ratio as fuel to the heating furnace.

No. of Pages : 71 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :15/01/2013

(21) Application No.317/CHENP/2013 A

(43) Publication Date : 13/05/2016

| (51) International classification | :H01F37/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :2010-163863 | 1)KABUSHIKI KAISHA KOBE SEIKO SHO |
| (32) Priority Date | :21/07/2010 | Address of Applicant :10 26 Wakinohama cho 2 chome Chuo |
| (33) Name of priority country | :Japan | ku Kobe shi Hyogo 6518585 Japan |
| (86) International Application No | :PCT/JP2011/004097 | (72)Name of Inventor : |
| Filing Date | :20/07/2011 | 1)ZAITSU Kyoji |
| (87) International Publication No | :WO 2012/011276 | 2)INOUE Kenichi |
| (87) International Fublication No | A1 | 3)HASHIMOTO Hiroshi |
| (61) Patent of Addition to Application | :NA | 4)MITANI Hiroyuki |
| Number | :NA :NA | 5)HOJO Hirofumi |
| Filing Date | INA | 6)MORITA Takashi |
| (62) Divisional to Application Number | :NA | 7)IKEDA Yohei |
| Filing Date | :NA | |

(54) Title of the invention : REACTOR

(57) Abstract :

This reactor (DA) comprises: a coil (1A); an upper core member (21A) and a lower core member (22A) that encase the coil (1A); and a convex part core member (22b) that is positioned at the core of the coil (1A). The coil (1A) is configured by coiling a band shaped conductor member such that the latitudinal direction of the conductor member follows the axial direction of the coil (1A). The one interior surface of the upper core member (21A) that faces one of the end parts of the coil (1A) in the axial direction thereof and the other interior surface of the lower core member (22A) that faces the other of the end parts of the coil (1A). One of the end parts of the coil (1A) in the axial direction are parallel in a region that at least covers the one of the end parts and the other of the end parts of the coil (1A). One of the end parts of the coil (21A) with a gap (GA) left between the circumference face of the one of the end parts and the circumference face of the aperture part (APA). The reactor (DA) thus provides a reactor that has comparatively high inductance with low levels of loss and noise.

No. of Pages : 51 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LIQUID-LIQUID EXTRACTION UNIT, MULTISTAGE LIQUID-LIQUID EXTRACTION APPARATUS USING THE UNIT, AND MULTISTAGE CONTINUOUS EXTRACTION SYSTEM FOR RARE EARTH ELEMENTS

| (51) Internetional classification | .0100 | (71) Nome of Amelicant |
|---|-------------|---|
| (51) International classification | :C10G | (71)Name of Applicant : |
| (31) Priority Document No | :2012- | 1)Shin-Etsu Chemical Co., Ltd. |
| (51) Thomy Document No | 005224 | Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku, |
| (32) Priority Date | :13/01/2012 | Tokyo, Japan Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)Hiroto SUGAHARA |
| Filing Date | :NA | 2)Takehisa MINOWA |
| (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 liquid-liquid extraction unit includes an extraction/separation tank (10) into which an aqueous phase in bubble form is admitted from an upper inlet (20) in one sidewall and an organic phase in bubble form is admitted from a lower inlet (30) in the one sidewall. The upward moving organic phase is contacted with the downward moving aqueous phase. After contact, the organic phase is discharged through an upper outlet (40) in an opposite sidewall and the aqueous phase is discharged through a lower outlet (50) in the opposite sidewall.

No. of Pages : 32 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING BLENDS FROM POLYLACTIDES (PLA) AND THERMOPLASTIC POLYURETHANES (TPU)

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :C08L67/04,C08J3/00 :10166000.9 :15/06/2010 :EPO :PCT/EP2011/059811 :14/06/2011 :WO 2011/157691 | (71)Name of Applicant : 1)BASF SE Address of Applicant :67056 Ludwigshafen Germany (72)Name of Inventor : 1)HILMER Klaus 2)BRNING Kai 3)FRITZ Hans Gerhard |
|---|---|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | Al :NA :NA :NA :NA | 4)ZGAVERDEA Alina Corina |

(57) Abstract :

The production of blends from thermoplastic polyurethanes (TPU) and polylactides (PLA) is achieved by A) reacting at least one thermoplastic polyurethane with at least one diisocyanate or a diisocyanate prepolymer which comprises at least two isocyanate groups or a mixture thereof in the melt reducing the molecular weight of the thermoplastic polyurethane and forming a thermoplastic polyurethane having an excess of isocyanate end groups B) introducing at least one polylactide in the melt of the product from stage A) and reacting the product from stage A) with the polylactide at a temperature of less than 190°C and C) cooling the blend thus obtained wherein no polyols are added in stages A) to C).

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

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CHEWING GUM PRODUCTS CONTAINING ETHYL ESTER OF N [[5 METHYL 2 (1 METHYLETHYL) CYCLOHEXYL] CARBONYL] GLYCINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A23G :61/356083 :18/06/2010 :U.S.A. :PCT/US2011/040748 :16/06/2011 :WO 2011/159927 :NA :NA :NA :NA | (71)Name of Applicant : 1)WM. WRIGLEY JR. COMPANY Address of Applicant :410 N. Michigan Ave. Chicago Illinois 60611 U.S.A. (72)Name of Inventor : 1)JOHNSON Sonya S. 2)SHELDON Gloria T. 3)HELD Derek 4)ZYCK Daniel J. |
|---|---|---|
|---|---|---|

(57) Abstract :

A chewing gum composition includes gum base flavor sweetening agent and about 0.3% to about 0.6% ethyl ester of N [[5 methyl 2 (1 methylethyl) cyclohexyl] carbonyl] glycine commonly known as WS 5.

No. of Pages : 30 No. of Claims : 17

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :H04J11/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :NA | 1)CENTRE OF EXCELLENCE IN WIRELESS |
| (32) Priority Date | :NA | TECHNOLOGY |
| (33) Name of priority country | :NA | Address of Applicant :#152 CSD Building ESB IIT Madras |
| (86) International Application No | :PCT/IN2010/000400 | Campus Chennai 600 036 Haryana India |
| Filing Date | :11/06/2010 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2011/154964 | 1)KALYANI Sheetal |
| (61) Patent of Addition to Application Number | :NA | 2)RAGHAVENDRAN Lakshminarayanan 3)GIRIDHAR Krishnamurthy |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : ROBUST CHANNEL ESTIMATION OF OFDM SYSTEMS

(57) Abstract :

A system and method for estimating a channel in wireless communication systems using Orthogonal Frequency Division Multiplexing (OFDM). From the received OFDM symbols Maximum Likelihood (ML) estimate of the channel frequency response is obtained at the pilot locations. A hypothesis test is performed on the ML estimates and the outcome of the hypothesis test is used to decide a shrinkage target. Biased estimation methods are used to shrink the ML estimates towards the shrinkage target to obtain better estimates of the channel frequency response at the pilot locations and these estimates are interpolated using a Filter to get a set of complete estimates of the channel over the resource block. The Filter is an Empirical Weiner Filter or a robust 2D MMSE filter and the biased estimation is done using either a James Stein (JS) estimator or a shrinkage estimator or an empirical Bayes estimator.

No. of Pages : 74 No. of Claims : 90

(19) INDIA

(22) Date of filing of Application :15/01/2013

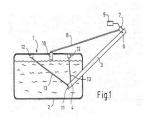
(43) Publication Date : 13/05/2016

| (51) International classification | :B60K15/035 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :10 2010 027 653.7 | 1)KAUTEX TEXTRON GMBH & CO. KG |
| (32) Priority Date | :19/07/2010 | Address of Applicant :Kautexstr. 52 53229 Bonn Germany |
| (33) Name of priority country | :Germany | (72)Name of Inventor : |
| (86) International Application No | :PCT/EP2011/003139 | 1)KOUKAN Ibrahim |
| Filing Date | :24/06/2011 | 2)MAIGRE Lothar |
| (87) International Publication No | :WO 2012/010247 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : FUEL TANK FOR A MOTOR VEHICLE

(57) Abstract :

The invention relates to a fuel tank (1) for a motor vehicle with at least one filler pipe (3) which extends partially outside the filling volume (5) of the fuel tank (1) with at least one refuelling venting path from a refuelling venting device (10) to a fuel vapour filter (9) and with at least one operational venting path to the fuel vapour filter (9). The fuel tank (1) comprises at least one operational venting line (14) which is attached to the filler pipe (3) inside the filling volume of the fuel tank (1).



No. of Pages : 16 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD AND SYSTEM FOR AUGMENTATION OF DATA DISPLAYED ON A DISPLAY DEVICE

| (51) International classification:G06F3/(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No:NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NA | (71)Name of Applicant : 1)SAMSUNG ELECTRONICS COMPANY Address of Applicant :416 MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 442-742 Republic of Korea (72)Name of Inventor : 1)SUBRAMANIAN MUTHUKUMAR 2)ANNAPOORANI KANAGARAJ |
|---|--|
| (62) Divisional to Application Number :NA Filing Date :NA | |

(57) Abstract :

A method and system for augmentation of data displayed on a display device is provided. A method includes configuring a plurality of network settings to enable communication, enabling calibration to capture an initial boundary of the display device, capturing the data displayed on the display device, associating additional data with the data that is captured to generate augmented data, and displaying the additional data on the display device. The system includes a camera based device, a display device; a communication interface for establishing communication, a memory that stores instructions and a processor responsive to the instructions.

No. of Pages : 31 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :B23D31/04,B23D35/00 :10 2010 024 403.1 :19/06/2010 :Germany :PCT/EP2011/060260 :20/06/2011 :WO 2011/157853 | (71)Name of Applicant : 1)SMS GROUP GMBH. Address of Applicant :Eduard Schloemann Strae 4 40237 D¹/₄sseldorf Germany (72)Name of Inventor : 1)BOHN Andreas 2)BAUR Thomas 3)MFINHARDT LUrich |
|---|---|---|
| (33) Name of priority country | :Germany | D ¹ /4sseldorf Germany |
| (86) International Application No | :PCT/EP2011/060260 | (72)Name of Inventor : |
| Filing Date | :20/06/2011 | 1)BOHN Andreas |
| (87) International Publication No | :WO 2011/157853 | 2)BAUR Thomas |
| (61) Patent of Addition to Application Number | :NA :NA | 3)MEINHARDT Ulrich |
| Filing Date | .117 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : METHOD AND DEVICE FOR TRIMMING HEAVY PLATES

(57) Abstract :

With known trimming shears having a pair of scrap cutting blades on the discharge side the moving upper scrap cutting blade must be moved as closely as possible past the trimmed plate edge in order to push the cutoff edge still hanging on the plate downward against the lower fixed scrap cutting blade which requires precise adjustment of the upper scrap cutting blade. To that end according to the invention the distance between the upper scrap cutting blade (2) or the lower scrap cutting blade (3) and the trimming blade plane (5) is set prior to trimming in accordance with the thickness of each heavy plate (10) to be trimmed by displacement of the upper scrap cutting blade (2) and/or the lower scrap cutting blade (3) in a displacement direction with at least one component transverse to the trimming blade plane (5).

No. of Pages : 32 No. of Claims : 4

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TRANSLUSCENT CONDUCTIVE SUBSTRATE FOR ORGANIC LIGHT EMITTING DEVICES

| (51) International classification | :H01L51/52 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :PCT/EP2010/060304 | |
| (32) Priority Date | :16/07/2010 | Address of Applicant : Chausse de La Hulpe 166 B 1170 |
| (33) Name of priority country | :EPO | Bruxelles (Watermael Boitsfort) Belgium |
| (86) International Application No | :PCT/EP2011/062132 | 2)ASAHI GLASS COMPANY LIMITED |
| Filing Date | :15/07/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/007575 | 1)DOMERCQ Benoit |
| (61) Patent of Addition to Application | :NA | 2)ROQUINY Philippe |
| Number | | 3)DECROUPET Daniel |
| Filing Date | :NA | 4)NAKAMURA Nobuhiro |
| (62) Divisional to Application Number | :NA | 5)WADA Naoya |
| Filing Date | :NA | 6)ISHIBASHI Nao |

(57) Abstract :

A translucent conductive substrate (1) for Organic Light Emitting Device comprising a transparent support (10) a scattering layer (11) formed over the transparent support (10) and comprising a glass which contains a base material (110) having a first refractive index for at least one wavelength of light to be transmitted and a plurality of scattering materials (111) dispersed in the base material (110) and having a second refractive index different from that of the base material and a transparent electrode (12) formed over the scattering layer (11) said electrode (12) comprising at least one metal conduction layer (122) and at least one coating (120) having properties for improving the light transmission through said electrode said coating (120) comprises at least one layer for improving light transmission (1201) and is located between the metal conduction layer (122) and the scattering layer (11) on which said electrode (12) is deposited.

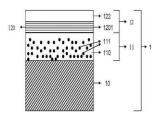


Fig. 1

No. of Pages : 83 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : NOVEL PROCESSES FOR THE MANUFACTURE OF PROPANE 1 SULFONIC ACID {3 [5 (4 CHLORO PHENYL) 1H PYRROLO[2 3 B]PYRIDINE 3 CARBONYL] 2 4 DIFLUORO PHENYL} AMIDE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | (71)Name of Applicant : 1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel Switzerland (72)Name of Inventor : 1)BRUMSTED Corey James 2)MOORLAG Hendrik 3)RADINOV Roumen Nikolaev 4)REN Yi 5)WALDMEIER Pius |
|---|-------------------|--|
| Application Number Filing Date | :NA :NA | |
| | | • |

(57) Abstract :

According to the present invention there are provided novel processes for the manufacture of the compound of formula (1) as well as novel synthesis routes for key intermediates used in those processes.

No. of Pages : 45 No. of Claims : 16

(19) INDIA

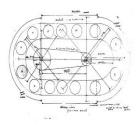
(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : NATURAL MACHINE | | |
|---|-------|--|
| | | |
| (51) International classification | :F16H | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)G. ELANGOVAN |
| (32) Priority Date | :NA | Address of Applicant :13/4C THIRUNARAYANAPURAM |
| (33) Name of priority country | :NA | NORTH ST KUMBAKONAM Tamil Nadu India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)G. ELANGOVAN |
| (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 device for producing energy, for example, for generating electricity without any fuel for producing the same The invention is for a device, consisting of a steel frame containing a small wheel and a big wheel whose radii are in the ratio 1:1.75 and axially connected and rotating within the frame. The frame is grooved all around its outer edges enabling a number of small wheels to rotate and move along the groove continuously. The continuity of the movement of the smali wheels is maintained by the force of gravity and is brought about by centrally placed non-rotating axially connected neutral wheel. The neutral wheels are alternately moved to and w by the action of the force of gravity due to the downward slope of the base of the steel frame. JQ The device does not need any fuel for its working and the energy produced Jmefeforocan be used to generate electricity. The movement of the big wheel, the outer side of which is in contact with the outer small wheels, produces the input of the work and the movement of the small inside wheel, whose outer side is in contact with the outer small wheels on its side, produces the output of the work. These movements are based on Elangos Law that the radii of the small inner wheel and the big inner wheel are in the ratio of 1:1.75.



No. of Pages : 6 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :04/01/2013

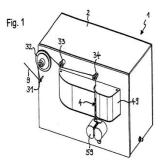
(43) Publication Date : 13/05/2016

| (51) International classification | :G01N33/36 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :924/10 | 1)USTER TECHNOLOGIES AG |
| (32) Priority Date | :09/06/2010 | Address of Applicant :Sonnenbergstrasse 10 CH 8610 Uster |
| (33) Name of priority country | :Switzerland | Switzerland |
| (86) International Application No | :PCT/CH2011/000131 | (72)Name of Inventor : |
| Filing Date | :01/06/2011 | 1)ZIGANEK Norbert |
| (87) International Publication No | :WO 2011/153649 A1 | 2)KUSTER Martin |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : DEVICE FOR DETERMINING FEATURES OF A YARN

(57) Abstract :

The invention relates to a device for determining features in particular the hairiness of a yarn comprising a housing (2) and a sensor unit attached in or on the housing (2) for measuring at least one parameter of the yarn. The housing (2) substantially consists of a front plate (22) a rear plate (23) and a frame (21) located between the front plate (22) and the rear plate (23). The frame (21) is produced integrally and separately from the front plate (22) and the rear plate (23) for example from a bent metal sheet. The front plate (22) and the rear plate (23) are designed as flat plates and fastened by means of screw connections to lugs (24) which are bent inward on the frame (21). The housing (2) thus has a particularly simple design.



No. of Pages : 18 No. of Claims : 13

(21) Application No.146/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

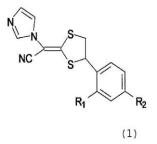
(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTIMYCOTIC PHARMACEUTICAL COMPOSITION

| (86) International Application PCT/IP2011/063860 | (71)Name of Applicant : 1)POLA PHARMA INC. Address of Applicant :8 9 5 Nishigotanda Shinagawa ku Tokyo 1410031 Japan 2)NIHON NOHYAKU CO. LTD. (72)Name of Inventor : 1)KUBOTA Nobuo 2)KOBAYASHI Hirokazu 3)MASUDA Takaaki |
|--|---|
|--|---|

(57) Abstract :

1212An object is to provide a medicament preparation which is excellent in the solubilization stability in relation to a compound represented by the general formula (1) during the storage in a low temperature region and a high temperature region. The present invention resides in a pharmaceutical composition comprising 1) the compound represented by the general formula (1) and/or a salt thereof and 2) a polyhydric alcohol derivative. General formula (1) (In the formula R R independently represent hydrogen atom or halogen atom respectively and at least one of R R is halogen atom.)



No. of Pages : 38 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :10/01/2013

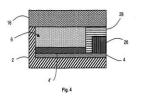
(43) Publication Date : 13/05/2016

| (51) International classification | :G01N27/30 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10 03007 | 1)COMMISSARIAT A LENERGIE ATOMIQUE ET AUX |
| (32) Priority Date | :16/07/2010 | ENERGIESALTERNATIVES |
| (33) Name of priority country | :France | Address of Applicant :25 rue Leblanc Btiment Le Ponant D |
| (86) International Application No | :PCT/FR2011/000416 | 75015 Paris France |
| Filing Date | :12/07/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/007660 | 1)KIRCHEV Angel Zhivkov |
| (87) International Fublication No | A1 | 2)DIEM Bernard |
| (61) Patent of Addition to Application | :NA | 3)MATTERA Florence |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : MINIATURE REFERENCE ELECTRODE

(57) Abstract :

The invention relates to a reference electrode including a reference electrolyte (6) and a proton exchange membrane (16) arranged so as to separate the reference electrolyte from a medium outside the electrode. The proton exchange membrane is made from acid doped polyaniline. The acid doped polyaniline is in the form of particles distributed in a polymer binder material.



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

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :15/01/2013

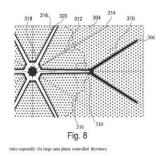
(43) Publication Date : 13/05/2016

(54) Title of the invention : PHASE CONTROL THYRISTOR WITH IMPROVED PATTERN OF LOCAL EMITTER SHORTS DOTS

| classification:H01L29/74,H01L29/423,H01L29/08(31) Priority Document No:10166682.4(32) Priority Date:21/06/2010(33) Name of priority:EPO | (71)Name of Applicant : 1)ABB TECHNOLOGY AG Address of Applicant :Affolternstrasse 44 CH 8050 Z¹/₄rich Switzerland (72)Name of Inventor : 1)STREIT Peter |
|---|---|
|---|---|

(57) Abstract :

A phase control thyristor having a new design comprising a main gate structure (306) and a plurality of local emitter shorts dots (304) arranged in a shorts pattern on a cathode side of the thyristor is proposed. Therein the main gate structure (306) comprises longitudinal preferably tapered main gate beams (316) extending from a center region of the cathode side towards a circumferential region. Neighbouring main gate beams (316) are arranged with a distance with respect to an associated intermediate middle line (314). The shorts pattern is more homogeneous in a region (310) closer to a main gate beam (316) than in a region (312) closer to an associated middle line (314). Adaptions which may be necessary to match shorts patterns in neighbouring segments of the cathode side surface are made in regions (312) away from the main gate beams (316) such that an electron hole plasma spreading from the main gate beam (316) is not interfered by any inhomogeneity of the shorts dots pattern. The proposed design rules enable an improvement of the thyristor operational characteristics especially for large area phase controlled thyristors.



No. of Pages : 26 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : RELATION FOR SUM OF ANYFOLD DATAS BY R. VELMURUGAN

| (51) Takana (1991) 1910 (1910) | COCE | |
|---|-------|---|
| (51) International classification | :G06F | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)R. VELMURUGAN |
| (32) Priority Date | :NA | Address of Applicant :146/5 NORTH STREET, |
| (33) Name of priority country | :NA | SENGAMEDU (VILL), AVINANGUDI (PO) TITTAGUDI (TK), |
| (86) International Application No | :NA | CUDDALORE (DT) TAMILNADU, INDIA - 606 112 Tamil |
| Filing Date | :NA | Nadu India |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)R. VELMURUGAN |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

I (R.VELMURUGAN M.Sc,M.Ed,M.Phil) analyse karl frederic gausss formula for sum of natural numbers ie (N/2)(N+1) where N/2 represent numbers of pair to be summed, N+1 represent sum of middle pair from this analyse I induced to construct relation between sum of anyfold numbers above written facts are abstract of invention.

No. of Pages : 10 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING A CERAMIC ACETABULUM

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :17/06/2011 :WO 2011/158213 :NA :NA | (71)Name of Applicant : 1)INVENTORIO SA Address of Applicant :Route des Avouillons 14, CH-1196 Gland, Switzerland Switzerland (72)Name of Inventor : 1)GRADEL Thomas |
|---|--|---|
| Number | :NA :NA | |

(57) Abstract :

Method for producing a prosthetic acetabulum which method comprises the steps of: a) making available a ceramic cup (1) that has a concave internal receiving face (3) and has an external annular receiving structure (6) b) making available a placement and orientation insert (7) that has an annular peripheral fixing structure (10) designed to cooperate with the receiving face (9) of the external annular receiving structure (6) by engaging around the external annular receiving structure (6) c) heating the placement and orientation insert (7) in order to increase the dimensions thereof d) engaging the annular peripheral fixing structure (10) around the receiving face (9) of the external annular receiving structure (6) e) returning the placement and orientation insert (7) to ambient temperature in order to reduce the dimensions thereof in such a way as to obtain a radial clamping of the annular peripheral fixing structure (10) on the external annular receiving structure (6).

No. of Pages : 35 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :15/01/2013

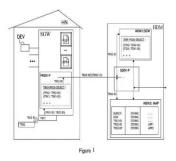
(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR COMMUNICATING BETWEEN CUSTOMER DEVICE AND SERVER DEVICE

| (51) International | :H04L29/06,H04L29/08,H04L12/28 | (71)Name of Applicant : |
|--------------------------------|--------------------------------|---|
| classification | 10200259.0 | 1)ALCATEL LUCENT |
| (31) Priority Document No | :10290358.0 | Address of Applicant :3 avenue Octave Grard F 75007 Paris |
| (32) Priority Date | :30/06/2010 | France |
| (33) Name of priority country | / :EPO | (72)Name of Inventor : |
| (86) International Application | | 1)MICHIELSENS Jan |
| No | :PCT/EP2011/060270 | 2)JUSTEN Pascal |
| Filing Date | :21/06/2011 | |
| (87) International Publication | :WO 2012/000824 | |
| No | | |
| (61) Patent of Addition to | :NA | |
| Application Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application | 1. NTA | |
| Number | | |
| Filing Date | :NA | |

(57) Abstract :

A method for communicating between a server device and a customer device in a proximity based interaction environment is described. The method comprises interacting between a first proximity transceiver which is associated to the customer device and a second proximity transceiver and generating thereby interaction information. The method further comprises defining an TR069 Management protocol object called proximity object and defining thereby at least one TR069 Management protocol parameter related to the interaction information and furthermore interchanging between the server device and the customer device at least one name value pair of the at least one parameter of the proximity object by means of TR69 Management protocol messages.



No. of Pages : 16 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :15/01/2013

(21) Application No.387/CHE/2013 A

(43) Publication Date : 13/05/2016

(54) Title of the invention : Primers and single tube nested PCR for the detection and diagnosis of White spot syndrome virus (WSSV) :C12Q (71)Name of Applicant : (51) International classification 1)DR.C.R.Subhashini (31) Priority Document No :NA (32) Priority Date Address of Applicant :150/8, First Main road, Seshadripuram, :NA (33) Name of priority country :NA Bangalore Karnataka India (86) International Application No :PCT// (72)Name of Inventor: Filing Date :01/01/1900 1)DR.C.R.Subhashini (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 :

This invention provides for superior nucleic acid primers for amplification of select target regions of the genome White spot syndrome virus (WSSV). The invention further provides for single tube nested PCR-based processes for using the primers in template dependent nucleic acid polymerase extension reactions to amplify select target regions of WSSV. The invention also discusses the efficient DNA purification protocol and single tube nested PCR methos for the detection of WSSV.

No. of Pages : 7 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :04/01/2013

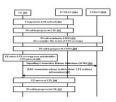
(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD TO RESELECT BACK TO LTE AFTER END OF CSFB CALL IN UMTS RAT

| (51) International classification | :H04W | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)SAMSUNG R & D INSTITUTE INDIA- BANGALORE |
| (32) Priority Date | :NA | PRIVATE LIMITED |
| (33) Name of priority country | :NA | Address of Applicant :# 2870, Orion Building, Bagmane |
| (86) International Application No | :NA | Constellation Business Park, Outer Ring Road, Doddanekundi |
| Filing Date | :NA | Circle, Marathahalli Post, Bangalore-560037. Karnataka India |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)VENKATESWARA RAO MANEPALLI |
| Filing Date | :NA | 2)MOHAN RAO NAGA SANTHA GOLI |
| (62) Divisional to Application Number | :NA | 3)GODAVARTI SATYA VENKATA UMA KISHORE |
| Filing Date | :NA | 4)ANAND DEVIDAS KASHIKAR |

(57) Abstract :

A method and system for providing enhanced packet data services to user equipment (UE) is disclosed. The method disclosed herein provides the mechanism for bringing the UE to a LTE network from a UMTS network or 2G network for providing enhanced packet data services. Further, the method provides a mechanism for redirecting the UE to LTE network when it is determined the UE has left the LTE network to the UMTS network or 2G network for obtaining CS services. The UE is redirected or reselected to the LTE network, upon the completion of CS services. The method also provides the approaches that allow the UE to be in the LTE network during mobility of the UE across different radio access networks. FIG. 3



No. of Pages : 41 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ULTRA LOW ENERGY CONSUMING BLOWER SPRAYERS, MIST SPRAYERS, FOGGERS

| (51) International classification | :B05B | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD. |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH-500037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this method of invention, ultra low energy consuming DC motors are used to run blowers, power sprayers mist sprayers foggers and other similar agro equipments. The special kind of DC motors are made up of unique formulation of Samarium/Lanthanum doped Boron Ferrite magnets with Graphite abrasive brushes. Compressed air produced using DC motors is allowed to hit droplets of water falling by gravity to produce extraordinary fogging effects.

No. of Pages : 10 No. of Claims : 6

(22) Date of filing of Application :04/01/2013

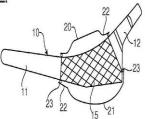
(43) Publication Date : 13/05/2016

| (54) Title of the invention : METAL TRE | ATMENT | |
|--|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :C25D5/02 :1009772.3 :11/06/2010 :U.K. :PCT/GB2011/050984 | (71)Name of Applicant : 1)ACCENTUS MEDICAL LIMITED Address of Applicant :528.10 Unit 2 Rutherford Avenue Harwell Oxford Didcot Oxfordshire OX11 0DF U.K. (72)Name of Inventor : |
| Filing Date (87) International Publication No | :25/05/2011 :WO 2011/154715 | 1)SHAWCROSS James Timothy 2)TURNER Andrew Derek |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)LEWIS David Richard |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Metal implants (10) are treated by anodising the surface (11 12) in contact with an electrolyte and then briefly subjecting the anodised surface to a reversed voltage. During a first anodising stage the surfaces are passivated while during a subsequent anodising stage pits are formed in the passivating surface layer. Rough portions (15) of the surface in particular portions produced by plasma spraying of metal powder are sealed with a watertight cover (20) during at least part of the anodising process. After rinsing biocidal metal ions are subsequently absorbed into the surface of the implant. This provides the implant with biocidal properties. The use of the cover (20) enables a more uniform geometric distribution of biocidal metal ions to be achieved.

Fig.2.



No. of Pages : 21 No. of Claims : 13

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : AUTOMATIC OPTIMAL INTEGRATED CIRCUIT GENERATOR FROM ALGORITHMS AND SPECIFICATION

| | COCE17/50 | |
|--|--------------------|--|
| (51) International classification | :G06F17/50 | (71)Name of Applicant : |
| (31) Priority Document No | :12/835621 | 1)ALGOTOCHIP CORPORATION |
| (32) Priority Date | :13/07/2010 | Address of Applicant :530 Lakeside Drive Suite 260 |
| (33) Name of priority country | :U.S.A. | Sunnyvale CA 94085 4064 U.S.A. |
| (86) International Application No | :PCT/US2011/043605 | (72)Name of Inventor : |
| Filing Date | :11/07/2011 | 1)PADMANABHAN Satish |
| (87) International Publication No | :WO 2012/009292 | 2)NG Pius |
| (61) Patent of Addition to Application | :NA | 3)PANDURANGAN Anand |
| Number | | 4)KADIYALA Suresh |
| Filing Date | :NA | 5)DURBHA Ananth |
| (62) Divisional to Application Number | :NA | 6)SHIGIHARA Tak |
| Filing Date | :NA | |

(57) Abstract :

Automated design of a custom integrated circuit based on algorithmic process as input and using highly automated tools that requires virtually no human involvement is disclosed. The method includes receiving a specification of the custom integrated circuit including computer readable code and constraints on the custom integrated circuit; generating a computer architecture for the computer readable code that best fits the constraints; automatically determining an instruction execution sequence based on the code profile and reassigning or delaying the instruction sequence to spread operation over processing blocks to reduce hot spots; continuously evaluating and optimizing one or more factors including physical implementation and local and global area timing or power at an architecture level above RTL or gate level synthesis; and automatically synthesizing the designed architecture and generating a computer readable description of the custom integrated circuit for semiconductor fabrication.



No. of Pages : 37 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : CONSEQUENT POLE POLE PERMANENT MAGNET MOTOR

| (51) International classification | .U02K | (71) Nome of Applicant : |
|---|-------|---|
| (51) International classification | | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)MOOG CONTROLS INDIA PVT. LTD. |
| (32) Priority Date | :NA | Address of Applicant :NO 99, 100P, KIADB INDUSTRIAL |
| (33) Name of priority country | :NA | ESTATE, ELECTRONIC CITY PHASE 2, BANGALORE - 560 |
| (86) International Application No | :NA | 100 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)DEVARA, PRASAD |
| (61) Patent of Addition to Application Number | :NA | 2)NAIK, VEERESH TIMMA |
| Filing Date | :NA | 3)SRINIVASAN, KUMARAN |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

ABSTRACT CONSEQUENT POLE PERMANENT MAGNET MOTOR There is disclosed a consequent pole permanent magnet motor (1) comprising a rotor member having a plurality of first magnetic poles (4,4,4), a plurality of consequent magnetic poles (5,5,5) located between the said first magnetic poles and are capable of being magnetized as consequent poles by the first magnetic poles, a stator (3) surrounding the rotor member and having a plurality of sets of teeth projected radially inwardly facing the said first and second magnetic poles; the number of teeth within one pole pair pitch being set to be 2m wherein m is a fractional number. The number of teeth facing the first magnetic poles within a pole pair pitch being less than the sum of m+1 while the number of teeth facing the second magnetic poles within a pole pair pitch is greater than m-1. Fig. 1

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR CONDUCTING BACTERIOLYSIS OF AN ACID FAST BACTERIUM AND SEPARATION OF NUCLEIC ACID THEREOF AT THE SAME TIME

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :C12N15/09,C12Q1/02,C12Q1/68 :2010-139368 :18/06/2010 :Japan | (71)Name of Applicant : 1)TOYOBO CO. LTD. Address of Applicant :2 8 Dojima Hama 2 chome Kita ku Osaka shi Osaka 5308230 Japan |
|--|---|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/JP2011/063555 :14/06/2011 :WO 2011/158815 A1 | (72)Name of Inventor : 1)SHIUCHI Keiichi |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

Disclosed is a method for achieving the bacteriolysis of an acid fast bacterium and the separation of a nucleic acid from the bacterium simultaneously with high efficiency and in a simple manner. The method is characterized by comprising preparing a mixed solution containing a chaotropic salt and the acid fast bacterium and repeating the suction of the mixed solution and the ejection of the mixed solution using a chip having melt adhered to the inside thereof a continuous body having a pore structure wherein the pore structure has a pore diameter of 10 to 100 μ m. In the method it is preferred to repeat the suction and the ejection at least three times.

No. of Pages : 23 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DRAWER HAVING TWO SIDE PANELS AND A REAR WALL

(57) Abstract :

A drawer (1) having two side panels (5) and a rear wall (4) wherein the rear wall (4) is fixed in relation to the side panels (5) by latching means and can be moved to a latching position only by being shifted in the direction of the longitudinal axis of the drawer (1) is formed such that the latching means comprise spring loaded latching pegs (6) which are arranged in pairs on the side panels (5) and run parallel to the rear wall (4) and also latching notches (7 7a) which receive the latching pegs (6) in boundary webs (8) of the rear wall (4) which run parallel to the side panels (5) wherein each pair of latching pegs (6) is spring loaded transverse to the longitudinal axis of the drawer (1) and the boundary webs (8) are provided with guide sections (9) by means of which the latching pegs (6) can be moved into the latching notches (7 7a) against the spring force.

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

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ULTRA LOW RADIATION ELECTRON BEAM DETECTION SENSORS

| (51) International classification | :H01J | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD., |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH - 500 037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this method of invention, uniquely designed non chemical electron beam detection sensors are used to take digital images of various objects. The image generated by proposed unique electron beam detection sensors will be magnified by different optical systems including electromagnetic lenses to give magnified images. Captured digital images can be processed using related image processing software. This sensor can be used in instruments like digital X-ray, CT scan, SEM, TEM, STEM, X-ray diffraction etc

No. of Pages : 6 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :15/01/2013

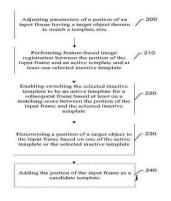
(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD APPARATUS AND COMPUTER PROGRAM PRODUCT FOR PROVIDING OBJECT TRACKING USING TEMPLATE SWITCHING AND FEATURE ADAPTATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :G06T7/20,G06K9/66 :61/357315 :22/06/2010 :U.S.A. :PCT/IB2011/052527 :09/06/2011 :WO 2011/161579 | (71)Name of Applicant : 1)NOKIA TECHNOLOGIES OY Address of Applicant :Karaportti 3, FI-02610 Espoo, Finland (72)Name of Inventor : 1)FAN Lixin |
|---|--|--|
| 0 | | 1)FAN Lixin |
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2011/161579 :NA :NA :NA :NA | |

(57) Abstract :

A method apparatus and computer program product are provided that may enable devices to provide improved object tracking such as in connection with computer vision multimedia content analysis and retrieval augmented reality human computer interaction and region based image processing. In this regard a method includes adjusting parameters of a portion of an input frame having a target object to match a template size and then performing feature based image registration between the portion of the input frame and an active template and at least one selected inactive template. The method may also enable switching the selected inactive template to be an active template for a subsequent frame based at least on a matching score between the portion of the input frame and the selected inactive template and determine a position of a target object in the input frame based on one of the active template or the selected inactive template.



No. of Pages : 28 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :15/01/2013

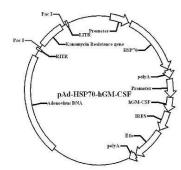
(43) Publication Date : 13/05/2016

(54) Title of the invention : RECOMBINANT TUMOR VACCINE AND METHOD OF PRODUCING SUCH VACCINE

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country | :A61K31/7088,A61P35/00,C12N15/62 :PCT/CN2010/074823 :30/06/2010 :China | (71)Name of Applicant : 1)TOT SHANGHAI R&D CENTER CO. LTD. Address of Applicant :Room 317 Building 1 720 Cailun Road Zhangjiang Hi Tech Park Pudong New Area Shanghai 201203 China (72)Name of Inventor : |
|--|---|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/CN2011/076668 :30/06/2011 :WO 2012/000443 | 1)LIANG Min |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

The present disclosure provides tumor vaccines useful for preventing and treating tumors and cancers. The tumor vaccines may contain nucleic acids encoding for antigen presenting peptides cytokines and other factors useful for preventing and treating tumors and cancers or expression vectors or viruses containing such nucleic acids or host cells containing such nucleic acids or expression vectors.



No. of Pages : 56 No. of Claims : 20

(22) Date of filing of Application :03/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR THE IODINATION OF PHENOLIC DERIVATIVES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | (71)Name of Applicant : 1)BRACCO IMAGING SPA Address of Applicant :Via Egidio Folli 50 I 20134 Milano Italy (72)Name of Inventor : 1)CITTERIO Attilio 2)BATTISTINI Elisa 3)BELNOME Davide 4)BUONSANTI Federica 5)LATTUADA Luciano 6)LEONARDI Gabriella 7)UGGERI Fulvio 8)VIGNALE Evelin 9)VISIGALLI Massimo |
|---|------------|--|
|---|------------|--|

(57) Abstract :

The present invention relates to a process for the preparation of iodinated phenols; in particular; it relates to a process including the direct iodination with suitably activated iodine of 3 5 disubstituted phenol compounds to the corresponding 3 5 disubstituted 2 4 6 triiodophenols which are useful intermediates for the synthesis of x ray contrast media and to the preparation of the contrast media themselves.

No. of Pages : 37 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :03/01/2013

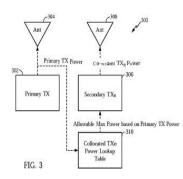
(43) Publication Date : 13/05/2016

(54) Title of the invention : APPARATUS AND METHOD FOR ADJUSTMENT OF TRANSMITTER POWER IN A WIRELESS SYSTEM

| (51) International classification (31) Priority Document No (31) Priority Date (32) Priority Date (33) Name of priority (34) Priority Date (26/07/2010 (35) Name of priority (36) International (37) International Publication (36) International Publication (37) International Publication (38) No (38) PCT/US2011/045368 (39) PCT/US2011/045368 (30) PCT/US2011/045368 (31) PCT/US2011/045368 (31) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011 (32) PCT/US2011/045368 (32) PCT/US2011/045368 (31) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011 (32) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011/045368 (32) PCT/US2011 (33) PCT/US2011/045368 (34) PCT/US2011/045368 (35) PCT/US2011/045368 (35) PCT/US2011/045368 (35) PCT/US2011/045368 (36) PCT/US2011/045368 (37) PCT/US2011/045368 (37) PCT/US2011/045368 (38) PCT/US2011/045368 (38) PCT/US2011/045368 (31) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011/045368 (32) PCT/US2011/045368 (31) PCT/US2011/045368 (32) PCT/US2011/045368 (32) PCT/US2011/045368 (32) PCT/US2011/045368 (32) PCT/US2011/045368 (33) PCT/US2011/045368 (34) PCT/US2011/045368 (35) PCT/US2011 | (71)Name of Applicant : 1)QUALCOMM INCORPORATED Address of Applicant :5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor : 1)FORRESTER John A. 2)GUCKIAN Paul 3)LU Lin 4)SHAHADI Reza 5)MAHAJAN Amit 6)HAMDY Walid M. 7)NGAI Francis M. |
|--|---|
|--|---|

(57) Abstract :

Certain aspects of the present disclosure propose methods for determining power level of one or more transmitters based on a power level of a primary transmitter (302) when the transmitters are located in close proximity of each other. The power levels may be determined such that a combined power of all the transmitters is compliant with regulatory radio frequency (RF) safety requirements. For certain aspects power level of the lower priority transmitters (306) may be determined utilizing one or more look up tables. For another aspect power level of the lower priority transmitters may be calculated using an algorithm based on the power level of the priority transmitters and the time duration for which the transmitters are active may be selected dynamically so that the time averaged power of the transmitters for a defined period of time falls below the RF exposure limit.



No. of Pages : 41 No. of Claims : 36

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ULTRA LOW ENERGY CONSUMING IRRIGATIOIN SYSTEMS FOR MINOR AND MAJOR LIFT IRRIGATION AND HYDAL POWER PROJECTS

| (51) International classification | :A01G | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD. |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH-500037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this method of invention double impact clutch system is used to convert positive energy for lifting of water from surface sources like open wells, ponds, streams, canals. This system named as Samhitha Robotic Lift Irrigation Systems. In this system huge quantities of water ranging from one lakh litres to higher volumes like 100 lakh litres can be lifted with very minimal power consuming specially designed DC motors. Here laser based level sensors coupled with intelligent control system is used to measure and decide the quantity of the water to be lifted out for each operation automatically. Same system will be adopted in lifting of any other liquids. In this method of lift irrigation systems, stage wise water lifting intermediate reservoirs are necessary with higher load bearing mechanical support systems. This system can be extended to major hydral power projects.

No. of Pages : 10 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :03/01/2013

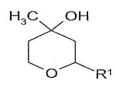
(43) Publication Date : 13/05/2016

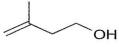
| (51) International classification | :C07D309/10 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10165455.6 | 1)BASF SE |
| (32) Priority Date | :10/06/2010 | Address of Applicant :67056 Ludwigshafen Germany |
| (33) Name of priority country | :EPO | (72)Name of Inventor : |
| (86) International Application No | :PCT/EP2011/059237 | 1)GRALLA Gabriele |
| Filing Date | :06/06/2011 | 2)BECK Karl |
| (87) International Publication No | :WO 2011/154330 | 3)KLOS Margarethe |
| (61) Patent of Addition to Application | :NA | 4)GRIESBACH Ulrich |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : PROCESS FOR THE PREPARATION AND ISOLATION OF 2 SUBSTITUTED TETRAHYDROPYRANOLS

(57) Abstract :

111Process for the preparation of 2 substituted 4 hydroxy 4 methyltetrahydropyrans of the formula (I) where the radical R is a straight chain or branched alkyl or alkenyl radical having 1 to 12 carbon atoms an optionally alkyl substituted cycloalkyl radical having in total 3 to 12 carbon atoms or an optionally alkyl and/or alkoxy substituted aryl radical having in total 6 to 12 carbon atoms comprising the reaction of 3 methylbut 3 en 1 ol of the formula (II) with an aldehyde of the formula (III): R CHO where the radical R has the same meaning as in formula (I) and where the reaction is carried out in the presence of water and in the presence of a strongly acidic cation exchanger and then the isolation and/or the distillative separation is carried out in a dividing wall column or in an interconnection of (at least) two distillation columns in the form of a thermal coupling and one or more side take off points at an absolute operating pressure of up to 500 mbar.





No. of Pages : 33 No. of Claims : 22

(22) Date of filing of Application :11/01/2013

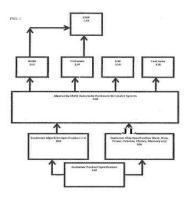
(43) Publication Date : 13/05/2016

(54) Title of the invention : AUTOMATIC OPTIMAL INTEGRATED CIRCUIT GENERATOR FROM ALGORITHMS AND SPECIFICATION

| | 00/17/20 | |
|--|--------------------|--|
| (51) International classification | :G06F17/50 | (71)Name of Applicant : |
| (31) Priority Document No | :12/835603 | 1)ALGOTOCHIP CORPORATION |
| (32) Priority Date | :13/07/2010 | Address of Applicant :530 Lakeside Drive Suite 250 |
| (33) Name of priority country | :U.S.A. | Sunnyvale CA 94085 4064 U.S.A. |
| (86) International Application No | :PCT/US2011/043603 | (72)Name of Inventor : |
| Filing Date | :11/07/2011 | 1)PADMANABHAN Satish |
| (87) International Publication No | :WO 2012/009291 A1 | 2)NG Pius |
| (61) Patent of Addition to Application | :NA | 3)PANDURANGAN Anand |
| Number | | 4)KADIYALA Suresh |
| Filing Date | :NA | 5)DURBHA Ananth |
| (62) Divisional to Application Number | :NA | 6)SHIGIHARA Tak |
| Filing Date | :NA | |

(57) Abstract :

Systems and methods are disclosed to automatically design a custom integrated circuit includes receiving a specification of the custom integrated circuit including computer readable code and one or more constraints on the custom integrated circuit; automatically devising a processor architecture and generating a processor chip specification uniquely customized to the computer readable code which satisfies the constraints; and synthesizing the chip specification into a layout of the custom integrated circuit.



No. of Pages : 36 No. of Claims : 20

(22) Date of filing of Application :05/01/2013

(21) Application No.53/CHE/2013 A

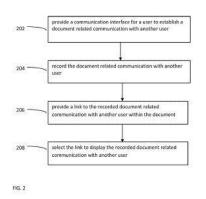
(43) Publication Date : 13/05/2016

(54) Title of the invention : INTEGRATING DOCUMENT RELATED COMMUNICATION WITH A DOCUMENT

| (51) International classification | :H04N1/00 | (71)Name of Applicant : |
|---|-----------|---|
| (31) Priority Document No | :NA | 1)Hewlett-Packard Development Company, L.P. |
| (32) Priority Date | :NA | Address of Applicant :11445 Compaq Center Drive West, |
| (33) Name of priority country | :NA | Houston, TX 77070, USA U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Eniyan Thiruvidam |
| (87) International Publication No | : NA | 2)Anjaneyulu Seetha Rama Kuchibhotla |
| (61) Patent of Addition to Application Number | :NA | 3)Ninoj Antony |
| Filing Date | :NA | 4)Siddharth Kalita |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Provided is a method of integrating a document related communication with a document. A communication interface is provided for a user to establish a document related communication with another user. The document related communication with another user is recorded and a link to the recorded document related communication with another user is provided with the document. [FIG. 2]



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

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SPECIAL METHOD TO SYNTHESIZE TERA HERTZ PULSE-SOLID STATE METHOD

| (51) International classification | :H04M | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD., |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH - 500 037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this invention, Tera Hertz pulses are synthesized from solid state materials in a special type of chambers. The device uses nano materials to emit Tera Hertz pulses under typical operating conditions. These pulses are found highly useful in medical instrumentation and other scientific applications.

No. of Pages : 7 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :03/01/2013

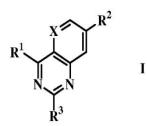
(43) Publication Date : 13/05/2016

(54) Title of the invention : HETEROCYCLIC ANTIVIRAL COMPOUNDS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07D401/04,C07D401/14,C07D403/04 :61/362220 :07/07/2010 :U.S.A. :PCT/EP2011/061180 :04/07/2011 :WO 2012/004212 :O :NA :NA :NA :NA | (71)Name of Applicant : 1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel Switzerland (72)Name of Inventor : 1)STABEN Leanna Renee 2)TALAMAS Francisco Xavier 3)SCHOENFELD Ryan Craig |
|--|--|--|
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(57) Abstract :

123Compounds having the formula I wherein R R R and X are as defined herein are Hepatitis C virus NS5b polymerase inhibitors. Also disclosed are compositions and methods for treating an HCV infection and inhibiting HCV replication.



No. of Pages : 53 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :11/01/2013

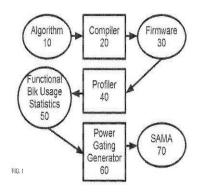
(43) Publication Date : 13/05/2016

| (51) International classification | :G06F17/50 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :12/835628 | 1)ALGOTOCHIP CORPORATION |
| (32) Priority Date | :13/07/2010 | Address of Applicant :530 Lakeside Drive Suite 260 |
| (33) Name of priority country | :U.S.A. | Sunnyvale CA 94085 4064 U.S.A. |
| (86) International Application No | :PCT/US2011/043607 | (72)Name of Inventor : |
| Filing Date | :11/07/2011 | 1)NG Pius |
| (87) International Publication No | :WO 2012/009293 | 2)PANDURANGAN Anand |
| (61) Patent of Addition to Application | :NA | 3)DURBHA Ananth |
| Number | :NA | 4)PADMANABHAN Satish |
| Filing Date | .11A | 5)OBLOCK Gary |
| (62) Divisional to Application Number | :NA | 6)KADIYALA Suresh |
| Filing Date | :NA | |
| | | l |

(54) Title of the invention : APPLICATION DRIVEN POWER GATING

(57) Abstract :

Systems and methods are disclosed to manage power in a custom integrated circuit (IC) design by receiving a specification of the custom integrated circuit including computer readable code and generating a profile of the computer readable code to determine instruction usage; automatically generating a processor architecture uniquely customized to the computer readable code the processor architecture having one or more processing blocks and one or more power domains; determining when each processing block is needed based on the code profile and assigning each block to one of the power domains; and gating the power domains with power based on the code profile; and synthesizing the generated architecture into a computer readable description of the custom integrated circuit for semiconductor fabrication.



No. of Pages : 21 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD OF PRODUCING AN AUSTENITIC STEEL

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :PCT/EP2011/002868 :10/06/2011 | (71)Name of Applicant : 1)TATA STEEL IJMUIDEN BV Address of Applicant :P.O. Box 10000 NL 1970 CA Ijmuiden Netherlands (72)Name of Inventor : 1)BERKHOUT Basjan 2)CORNELISSEN Marcus Cornelis Maria 3)PATEL Jayesh Ramjibhai |
|--|-----------------------------------|--|
|--|-----------------------------------|--|

(57) Abstract :

This invention relates to a method of producing an austenitic steel sheet excellent in resistance to delayed cracking and a steel produced thereby.

No. of Pages : 12 No. of Claims : 15

(19) INDIA

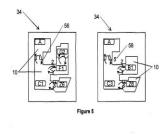
(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SIMULATION MODELLING | | |
|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :G06F :1200498.2 :13/01/2012 :U.K. :NA | (71)Name of Applicant : 1)OPTIMIZED SYSTEMS AND SOLUTIONS LIMITED Address of Applicant :MOOR LANE, DERBY, DE24 8BJ U.K. (72)Name of Inventor : |
| Filing Date | :NA | 1)NIGEL PETER JACKSON |
| (87) International Publication No | : NA | 2)PAUL SOULE |
| (61) Patent of Addition to Application Number | :NA | 3)NEIL WILKINSON |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method of simulation comprising selecting program elements from a library to use in a simulation model defining a network comprising the program elements and interactions therebetween. The method stores the simulation model and divides the simulation model into portions each comprising at least one program element, wherein the portions are dependent on the number of interactions for each program element. The method also runs each portion on a processing core and collating the results. The invention also includes a simulation architecture comprising a first library containing program elements, each program element comprising customisable attributes and configurable inputs and outputs. The architecture includes a second library that contains a simulation model network that defines interactions between program elements and links to selected program elements in the first library. There is a plurality of processing cores to run portions of the simulation model and a controller to allocate portions of the simulation model to each of the plurality of processing cores dependent on the number of interactions between program elements. The simulation may be for enterprise modelling. (Figure 5)



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

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : STARCH BASED COMPOSITIONS FOR LATEX REPLACEMENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :PCT/EP2011/002938 :15/06/2011 :WO 2012/000609 :NA :NA | (71)Name of Applicant : 1)CARGILL INCORPORATED Address of Applicant :15407 McGinty Road West Wayzata MN 55391 U.S.A. (72)Name of Inventor : 1)BILTRESSE Stphane 2)BREGOLA Massimo 3)TIMMERMANS Maurice |
|---|--|---|
| (62) Divisional to Application Number Filing Date | n:NA :NA | |

(57) Abstract :

A method for producing starch based compositions and the composition produced therewith for use as latex substitutes for full or partial latex replacement in applications such as carpet backing.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : EXERCISE APPARATUS AND ALPHANUMERIC KEYBOARD INTENDED FOR SUCH AN EXERCISE APPARATUS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International | :A63B22/02,A63B22/08,A63B71/06 :991/10 :21/06/2010 y:Switzerland :PCT/CH2011/000133 | (71)Name of Applicant : 1)BILANG HEIER Eric Address of Applicant :Grubenstrasse 25 CH 8322 Madetswil Switzerland (72)Name of Inventor : 1)BILANG HEIER Eric |
|---|---|--|
| Application No Filing Date | :06/06/2011 | |
| (87) International Publication | ¹ :WO 2011/160245 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to an exercise apparatus (1) which has a running surface or a sitting surface (9) provided with a holding arrangement for the exercising person. The holding arrangement has a crossbar (6). In order for the exercising person to be able to carry out writing work on a computer (20) during exercise a keyboard (7 8) is arranged in such a way that the keyboard lies on the side of the bar (6) facing away from the running surface or sitting surface (9). In particular the keyboard is also tilted downward. Said arrangement of the keyboard enables physical exercise and writing work to be carried out at the same time.

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

(19) INDIA

(22) Date of filing of Application :15/01/2013

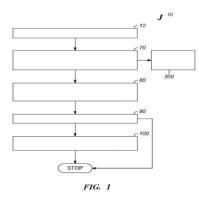
(43) Publication Date : 13/05/2016

(54) Title of the invention : CHAR HANDLING PROCESSES IN A PYROLYSIS SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :12/837376 :15/07/2010 :U.S.A. :PCT/US2011/043295 :08/07/2011 | (71)Name of Applicant : 1)MYERS Vincenza Address of Applicant :136 S. Ridge Ave. Arlington Heights IL 60005 U.S.A. (72)Name of Inventor : 1)PALMAS Paolo 2)SECHRIST Paul A. 3)KULPRATHIPANJA Sid 4)FREY Stanley J. 5)FREEL Barry |
|--|---|--|
|--|---|--|

(57) Abstract :

Char handling processes for controlling overall heat balance ash accumulation and afterburn in a reheater are provided. Carbonaceous biomass feedstock is pyrolyzed using a heat transfer medium forming pyrolysis products and a spent heat transfer medium. The spent heat transfer medium is separated into segregated char and char depleted spent heat transfer medium. The char depleted spent heat transfer medium is introduced into a dense bed of heat transfer medium fluidized by a stream of oxygen containing regeneration gas. All or a portion of the segregated char is combusted in the dense bed using the stream of oxygen containing regeneration gas. A portion of the segregated char may be exported out of the pyrolysis system to control the overall heat balance and ash accumulation.



No. of Pages : 30 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :09/01/2013

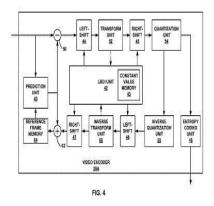
(43) Publication Date : 13/05/2016

(54) Title of the invention : VARIABLE LOCALIZED BIT DEPTH INCREASE FOR FIXED POINT TRANSFORMS IN VIDEO CODING

| (51) International classification(31) Priority Document No(32) Priority Date(22) Non-official data (22) Non-official data (22) | :H04N7/26,H04N7/30,H04N7/50 :61/364784 :15/07/2010 | 1)QUALCOMM INCORPORATED Address of Applicant :5775 Morehouse Drive San Diego CA |
|---|--|--|
| (33) Name of priority country(86) International ApplicationNoFiling Date | :U.S.A. :PCT/US2011/043462 :08/07/2011 | 92121 U.S.A. (72)Name of Inventor : 1)JOSHI Rajan L. 2)CHIEN Wei Jung |
| (87) International Publication No. (61) Patent of Addition to Application Number Filing Date | b:WO 2012/009237 :NA :NA | 3)KARCZEWICZ Marta 4)REZNIK Yuriy 5)CHEN Peisong 6)CHUANG Hsiao Chiang |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This disclosure describes techniques for mitigating rounding errors in a fixed point transform associated with video coding by applying a variable localized bit depth increase at the transform. More specifically the techniques include selecting a constant value based on a size of a fixed point transform in a video coding device and applying a variable localized bit depth increase at the transform with a value equal to the constant value. Applying the variable localized bit depth increase includes left shifting a transform input signal by a number of bits equal to the constant value before the fixed point transform and right shifting a transform output signal by a number of bits equal to the constant value after the fixed point transform. The constant value is selected from a plurality of constant values stored on the video coding device. Each of the constant values is pre calculated for one of a plurality of different transform sizes supported by the video coding.



No. of Pages : 61 No. of Claims : 38

(21) Application No.98/CHENP/2013 A

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :MI2010A001050 :10/06/2010 :Italy :PCT/EP2011/059597 :09/06/2011 | (71)Name of Applicant : 1)TECNIPLAST S.P.A. Address of Applicant :Via 1° Maggio 6 I 21020 Buguggiate Italy (72)Name of Inventor : 1)TARTAGLIA Giovanni |
|--|--|---|
| (87) International Publication No(61) Patent of Addition to ApplicationNumberFiling Date | :WO 2011/154502 :NA :NA | 2)MAZZUCCHELLI Andrea |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a cage changing cabin (1) for replacing cages in which laboratory animals are housed of the type comprising a supporting surface (21) supported by a lower box like portion (20) and surmounted by a plenum or upper box like portion (30) said lower box like portion (20) and said upper plenum (30) comprising means for forced air circulation in laminar flow substantially tangent to the periphery of said supporting surface (21) characterized in that said lower box like portion (20) and said upper plenum (30) are made of plastic material.



Figure 1

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

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ANTI ANGIOGENIC AGENT AND METHOD OF USING SUCH AGENT

| (51) International classification:A61K38/17,C07K14/705,A61P35/00(31) Priority Document No (31) Priority Date:61/363933(32) Priority Date:13/07/2010(33) Name of priority country:U.S.A.(86) International Application No Filing Date:PCT/US2011/043907(87) International Publication No (61) Patent of Addition to Filing Date:WO 2012/009471(87) International Filing Date:NA :NA(62) Divisional to Filing Date:NA :NA(62) Divisional to Filing Date:NA :NA | (71)Name of Applicant : 1)GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION Address of Applicant :Office of Legal Affairs P.O. Box 3987 Atlanta Georgia 30302 3987 U.S.A. (72)Name of Inventor : 1)LIU Zhi Ren 2)YANG Jenny J. 3)LU Yin |
|--|--|
|--|--|

(57) Abstract :

Anti angiogenic agents or polypeptides comprising an amino acid segment substantially similar to domain one of CD2 wherein the polypeptide has a sheet formed by two segments. Methods of using such agents and polypeptide are also included.



Fig. 15

No. of Pages : 46 No. of Claims : 17

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : A COMMUNICATION METHOD AND APPARATUS OF NETWORK MANAGEMENT SYSTEM (51) International classification :H04L12/28 (71)Name of Applicant : (31) Priority Document No :NA 1)ABB RESEARCH LTD. (32) Priority Date :NA Address of Applicant : Affolternstrasse 44 CH 8050 Zurich (33) Name of priority country :NA Switzerland (86) International Application No :PCT/CN2010/075931 (72)Name of Inventor : Filing Date :12/08/2010 1)WANG Zhao (87) International Publication No :WO 2012/019351 2)DECK Bernhard (61) Patent of Addition to Application 3)KINNUNEN Jukka

:NA

:NA

:NA

:NA

(57) Abstract :

Filing Date

Filing Date

(62) Divisional to Application Number

Number

The invention provides a communication system for a power distribution network which comprises at least two distribution domains each of the domains includes one management device and at least one electrical device. The management device is configured as connected with the electrical devices within its domain and is further configured as capable of collect information from the electrical devices. The system also comprises a communication link which is arranged for the management devices of different domains and the management devices are configured as capable of directly exchanging information through the link.

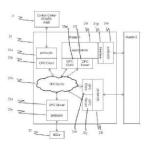


Fig 3

No. of Pages : 16 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :07/01/2013

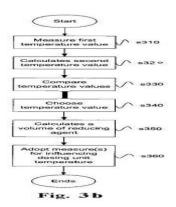
(43) Publication Date : 13/05/2016

| (51) International classification(31) Priority Document No | :10506517 | (71)Name of Applicant : 1)SCANIA CV AB |
|---|--------------------|--|
| (32) Priority Date | :21/06/2010 | Address of Applicant :S 151 87 Sdertlje Sweden |
| (33) Name of priority country | :Sweden | (72)Name of Inventor : |
| (86) International Application No | :PCT/SE2011/050797 | 1)LILJESTRAND Andreas |
| Filing Date | :20/06/2011 | 2)BREMBERG Per |
| (87) International Publication No | :WO 2011/162699 | 3)ARVIDSSON Daniel |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : METHOD AND DEVICE PERTAINING TO DOSING UNIT OF SCR SYSTEM

(57) Abstract :

The invention relates to a method pertaining to an SCR system for cleaning of exhaust gases from an engine (150) which comprises a dosing unit (250) to supply a reducing agent to an exhaust duct (240) comprising the step of determining (s340) whether there is an undesired temperature level of said dosing unit (250). The method comprises also the step if there is found to be said undesired temperature level of removing (s360) warmed reducing agent from said dosing unit (250) by supplying it to said exhaust duct (240) which entails calculating (s350) and removing an amount of reducing agent which is removable on the basis of a prevailing temperature of the dosing unit (250) or removing (s360) a predertermined amount in the form of substantially all of the warmed reducing agent of the dosing unit (250) from it to said exhaust duct. The invention relates also to a computer programme product containing programme code (P) for a computer (200; 210) for implementing a method according to the invention. The invention relates also to a device of an SCR system and a motor vehicle (100) which is equipped with the device.



No. of Pages : 29 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :10/01/2013

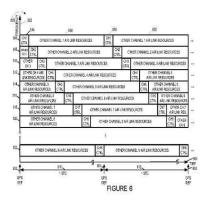
(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD AND APPARATUS FOR USING AND/OR IMPLEMENTING CONTROL CHANNELS IN WHITE SPACE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :12/822677 :24/06/2010 :U.S.A. | (71)Name of Applicant : 1)QUALCOMM Incorporated Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor : 1)TAVILDAR Saurabh 2)LI Junyi 3)RAJA Adnan 4)KHUDE Nilesh |
|---|--------------------------------------|---|
|---|--------------------------------------|---|

(57) Abstract :

Methods and apparatus related to control channels in a wireless communications system are described. Different white space bands may be available at different locations. A wireless terminal monitors control information from multiple potentially available communications channels. Control time slots corresponding to some different channels are intentionally time offset from one another. Some embodiments implement predetermined control slot timing synchronized with respect to an external timing source. In other embodiments a wireless terminal selects a control time slot on a new channel as a function of control slot timing on channels already in use. A wireless terminal selects one of a plurality of communications channels for use in communicating information and determines a position of a control time slot to be used on the selected communications channels. The wireless terminal uses the control time slot on the selected communications.



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

(19) INDIA

(22) Date of filing of Application :10/01/2013

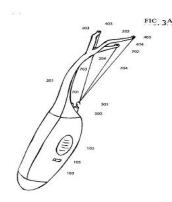
(43) Publication Date : 13/05/2016

| (51) International classification | :A45D26/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :NA | 1)ASANI THREADING INC |
| (32) Priority Date | :NA | Address of Applicant :403 PARKSIDE DRIVE UNIT#2 |
| (33) Name of priority country | :NA | TORONTO ONTARIO M6R 2Z7 Canada |
| (86) International Application No | :PCT/CA2010/000923 | (72)Name of Inventor : |
| Filing Date | :21/06/2010 | 1)SIVAPALAN Sivashanthan |
| (87) International Publication No | :WO/2010/148482 | 2)BHARATI SUBODH |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : METHOD AND APPARATUS FOR SELF THREADING

(57) Abstract :

This invention provides both a method and an apparatus for hair removal using thread. Using the concept of rotational motion this method improves upon the ancient art of threading by using a rotational mechanism that allows for threading with only one manipulation point instead of the conventional tour manipulation points as well as one or more threads to be used as a guide lo help identity and/or isolate hair to be removed. With these enhancements a self threading apparatus is invented that is more precise and less unwieldy than existing sclf threading apparatuses. It minimizes the amount of manual labour and skills required in such a way that a person not skilled in the art can easily use this apparatus to thread with precision.



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

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD TO A AUTOMATICALLY GENERATE INSIGHTS FOR DIFFERENT DECISION CONTEXTS, FROM UNSTRUCTURED INFORMATION ANALYTICS

| (51) International classification | :G06F | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)SENSEFORTH TECHNOLOGIES PVT. LTD. |
| (32) Priority Date | :NA | Address of Applicant :L 152, 1ST FLOOR, 14TH CROSS, |
| (33) Name of priority country | :NA | 5TH MAIN 6TH SECTOR, HSR LAYOUT, BANGALORE - 560 |
| (86) International Application No | :NA | 102 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)SRIDHAR MARRI |
| (61) Patent of Addition to Application Number | :NA | 2)KRISHNA KADIRI |
| Filing Date | :NA | 3)RITESH RADHAKRISHNAN |
| (62) Divisional to Application Number | :NA | 4)SURYAPRAKASH CV |
| Filing Date | :NA | 5)TOUSIF AHMED PASHA KHAZI |

(57) Abstract :

A system and method to provide a decision making framework for different contexts based on automatically generated insights from large amounts of unstructured users feedback collected from online and offline sources. The system collects large amounts of online and offline user feedback, processes it using natural language processing and other techniques to extract relevant feedback. The system further ranks and scores it based on various parameters, generates insights based on a optimum insight framework for the domain and presents it using an intuitive user interface. The insights are personalized based on user profile and user needs to simplify decision making.

No. of Pages : 12 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :12/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : THWARTING ATTACKS THAT INVOLVE ANALYZING HARDWARE SENSOR OUTPUT

| (51) International classification:G06F 21/00(31) Priority Document No:12155664(32) Priority Date:15/02/201(33) Name of priority country:EPO(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAState:NA </th <th> (71)Name of Applicant : 1)Research In Motion Limited Address of Applicant :295 Phillip Street, Waterloo , Ontario, N2L 3W8, Canada Canada (72)Name of Inventor : 1)WURSTER Glenn Daniel </th> | (71)Name of Applicant : 1)Research In Motion Limited Address of Applicant :295 Phillip Street, Waterloo , Ontario, N2L 3W8, Canada Canada (72)Name of Inventor : 1)WURSTER Glenn Daniel |
|---|---|
|---|---|

(57) Abstract :

A hardware sensor (60,62,64,66) and a hardware user-input component (22,32,42,102,202,302,306) are integrated in a portable electronic device (10,100,200,300). The hardware sensor is operable to produce hardware sensor output indicative of orientation or motion or both of the device within its environment. The hardware user-input component has multiple elements (24,34,44,104,204,304) operable to accept user input through touch. A user-input driver (26,36,46) and the device[™]s operating system (18) are jointly operable to detect touch events involving the elements. A software application (20) is executable by the device[™]s processor (14) as a process. A sensor driver (61,63,65,67) or the operating system or both are configured to control what hardware sensor output, if any, is receivable by the process. This control may thwart an attack based on analysis of the hardware sensor output, the attack designed to deduce what user input has been made via multiple elements of the hardware user-input component.

No. of Pages : 62 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :11/01/2013

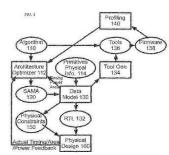
(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM ARCHITECTURE AND MICRO ARCHITECTURE (SAMA) REPRESENTATION OF AN INTEGRATED CIRCUIT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :11/07/2011 :WO 2012/009294 :NA :NA | (71)Name of Applicant : 1)ALGOTOCHIP CORPORATION Address of Applicant :530 Lakeside Drive Suite 260 Sunnyvale CA 94085 4064 U.S.A. (72)Name of Inventor : 1)NG Pius 2)KADIYALA Suresh 3)PADMANABHAN Satish |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Systems and methods are disclosed to automatically generate a custom integrated circuit (IC) design by receiving a specification of the custom IC including computer readable code to be executed by the custom IC; generating an abstraction of the IC as a system processor architecture and micro architecture (SAMA) representation; providing the SAMA representation to a data model having at least an architecture optimization view a physical design view and a software tool view; optimizing the processor architecture uniquely customized to the computer readable code which satisfies one or more constraints; and synthesizing the generated architecture into a computer readable description of the custom integrated circuit for semiconductor fabrication. The foregoing can be done with no or minimal human involvement.



No. of Pages : 45 No. of Claims : 20

(19) INDIA

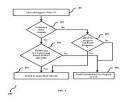
(22) Date of filing of Application :04/01/2013

(54) Title of the invention : METHOD AND SYSTEM FOR SWITCHING WITHOUT DELAYS FOR MO/MT VOICE CALL TRIGGERED IN LTE

| | | (71)Name of Applicant : |
|---|------------|---|
| (51) International classification | :H04W36/00 | 1)SAMSUNG R&D INSTITUTE INDIA-BANGALORE |
| (31) Priority Document No | :NA | PRIVATE LIMITED |
| (32) Priority Date | :NA | Address of Applicant : BAGMANE LAKEVIEW BLOCK B |
| (33) Name of priority country | :NA | NO.66/1 BAGMANE TECH PARK CV RAMAN NAGAR |
| (86) International Application No | :NA | BYRASABDRA BANGALORE - 560 093 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)PRAKASH RAO |
| (61) Patent of Addition to Application Number | :NA | 2)PAVAN KUMAR DEVARAYANIGARI |
| Filing Date | :NA | 3)KEDAR SANTOSH KUMAR AALLA |
| (62) Divisional to Application Number | :NA | 4)RAVI KRISHNA HARI HARAN SRIPADA |
| Filing Date | :NA | 5)AJAYKUMAR KABADI |
| | | 6)SRINIVAS CHINTHALAPUDI |

(57) Abstract :

(to be given along with complete specification on separate page) A method and system for minimizing delay in circuit-switched fallback (CSFB) procedure is disclosed. The disclosed method provides two different approaches for optimizing the delay during the CSFB procedure. In the first approach, user equipment (UE) receives a Location Area Identifier (LAI) along with the Radio Access Technology (RAT) information from the network (LTE network). The UE uses the received RAT information from the network for switching to the target Radio Access Network (RAN) without intimating to the LTE network. In another approach, the UE obtains the RAT information by performing a background scan in idle mode, when the UE receives LAI without RAT information from the network. FIG. 4



No. of Pages : 28 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : HYDAL POWER GENERATION USING FROM CANALS, RIVERS, OCEANS ETC

| (51) International classification | :F03B | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD., |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO: 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH-500037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this method of invention double impact clutch system is used to convert positive energy for lifting of water from surface sources like open wells, ponds, streams, canals. This system named as Samhitha Robotic Lift Irrigation Systems • . In this system huge quantities of water ranging from one lakh litres to higher volumes like 100 Iakh litres can be lifted with very minimal power consuming specially designed DC motors. Here laser based level sensors coupled with intelligent control system is used to measure and decide the quantity of the water to be lifted out for each operation automatically. Same system will be adopted in lifting of any other liquids. In this method of lift irrigation systems, stage wise water lifting intermediate reservoirs are necessary with higher load bearing mechanical support systems. This system can be extended to major hydal power projects.

No. of Pages : 9 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ELECTRIFIED OR OZONATED OIL INDUCED SHOCKWAVE GENERATORS FOR COMPLETE ELIMINATION OF INSECTS, PESTS, BACTERIA AND VIRUS WITHOUT USING SYNTHETIC PESTICIDES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A01M :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)EESAVYASA TECHNOLOGIES PVT. LTD., Address of Applicant :PLOT NO: 79, PHASE-III, SVCIE, BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA PRADESH-500037 Andhra Pradesh India (72)Name of Inventor : 1)D.P. CHAKRAVARTHY 2)BANDA RAVI SANKAR 3)DR. KUNAM SASIDHAR REDDY |
|--|---|--|
| 11 | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

NA

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

(19) INDIA

(22) Date of filing of Application :10/01/2013

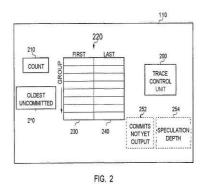
(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR TRACING THE ACTIVITY OF A DATA PROCESSING UNIT SUPPORTING SPECULATIVE INSTRUCTION EXECUTION AND OUT OF ORDER DATA TRANSFERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :G06F11/36 :1010350.5 :21/06/2010 :U.K. :PCT/GB2011/050979 :24/05/2011 :WO 2011/161429 :NA :NA :NA :NA | (71)Name of Applicant : 1)ARM LIMITED Address of Applicant :110 Fulbourn Road Cherry Hinton Cambridge CB1 9NJ U.K. (72)Name of Inventor : 1)HORLEY John 2)SWAINE Andrew 3)GILKERSON Paul |
|--|--|---|
|--|--|---|

(57) Abstract :

ththA trace unit is provided which is configured to generate items of trace data indicative of processing activities of a data processing unit The trace unit comprises a trace indexing unit configured to associate an index value with at least a subset of the items of trace data generated by the trace unit. The trace indexing unit is configured to generate each index value as one of a predetermined sequence of index values wherein an n+1 index value in the predetermined sequence can be determined from only an n index value in the predetermined sequence.



No. of Pages : 40 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : INFORMATION PROVISION DEVICE INFORMATION PROVISION METHOD INFORMATION PROVISION PROGRAM INFORMATION DISPLAY DEVICE INFORMATION DISPLAY METHOD INFORMATION DISPLAY PROGRAM INFORMATION RETRIEVAL SYSTEM AND RECORDING MEDIUM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :G06F17/30 :NA :NA :NA :PCT/JP2011/057942 | (71)Name of Applicant : 1)Rakuten Inc. Address of Applicant :1-14-1 Tamagawa, Setagaya-ku, Tokyo -158-0094, Japan; Nationality: Japan. Japan (72)Name of Inventor : |
|--|---|--|
| Filing Date | :30/03/2011 | 1)YAMAHARA Hisanori |
| (87) International Publication No | :WO 2012/131928 A1 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The objective of the present invention is to allow a user to easily view a predetermined indicated number of values of search results for information other than information currently displayed as the search results. The present invention is an information provision device which in response to a request from a terminal device transmits search results which are results of a search by an information retrieval device to be displayed upon the terminal device via a network to the terminal device and is provided with: search result information retrieval device search result information indicating one or more units of information among information retrieved by the information retrieval device; graph display information transmission means for transmitting a graph indicating a relationship between an order of display for the search results of the information retrieved by the information retrieval device and the predetermined indicated number of values related to the information; and range designation display information transmission means for transmitting range designation display information for displaying a position at positions indicated by a display range which is the range of information indicated by the search result information.

No. of Pages : 103 No. of Claims : 28

(21) Application No.165/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : BATTERY CAPACITY MANAGEMENT DEVICE (51) International classification :B60L3/00,B60K6/485,B60L11/14 (71)Name of Applicant : 1)HONDA MOTOR CO. LTD. (31) Priority Document No :2010-158743 (32) Priority Date :13/07/2010 Address of Applicant :1 1 Minami Aoyama 2 chome Minato (33) Name of priority country ku Tokvo 1078556 Japan :Japan (72)Name of Inventor: (86) International Application :PCT/JP2011/065905 No **1)SHIBATA Tomohiro** :12/07/2011 Filing Date 2)OGURA Futoshi (87) International Publication 3)KITAJIMA Shinichi :WO 2012/008462 A1 No 4)FUKUSHIMA Yukihiro (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A battery capacity management device for a storage battery included in a vehicle having an electric motor as a driving source comprises: a degradation state estimation unit for estimating the degradation states of the storage battery; region setting unit for setting according to the degradation states of the storage battery a battery capacity within which the storage battery can be used to a plurality of regions; a state of charge derivation unit for deriving a state of charge of the storage battery; a region determination unit for determining among the plurality of regions set by the region setting unit which regions the state of charge of the storage battery belongs to; and a control instruction unit for instructing to control the charging and discharging of the storage battery capacity range of at least one predetermined region is constant regardless of the degradation states of the storage battery and the battery capacity ranges of the regions other than the predetermined region are different depending on the degradation states of the storage battery. Accordingly the effect of the degradation is minimized and the performance of the storage battery can be exerted sufficiently.

No. of Pages : 41 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : SURFACE WATER PUMPING SYSTEMS WITHOUT CONSUMING ELECTRICITY OR FUEL | | |
|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | | (71)Name of Applicant : (71)Name of Applicant : 1)EESAVYASA TECHNOLOGIES PVT. LTD., Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA PRADESH-500037 Andhra Pradesh India (72)Name of Inventor : 1)D.P. CHAKRAVARTHY 2)BANDA RAVI SANKAR 3)DR. KUNAM SASIDHAR REDDY |

(57) Abstract :

Abstract In this method of invention double impact clutch system is used to convert positive energy for lifting of water from surface sources like open wells, ponds, streams, canals. This system named as Samhitha Robotic System. In this system any quantity of water ranging from 200 Litres to Higher volumes like One lakh litres can be lifted manually. Here laser based level sensors coupled with intelligent control system is used to measure and decide the quantity of the water to be lifted out for each operation automatically. Same system will be adopted in lifting of any other liquids. This system can be extended to produce Hydral power.

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

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : INFORMATION PROCESSING TERMINAL AND METHOD FOR CONTROLLING OPERATION THEREOF

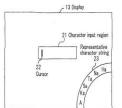
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| classification :G06F3/023,G06F3/041,G06F3/048 (31) Priority Document No :2010-138512 (32) Priority Date :17/06/2010 | (71)Name of Applicant : NEC CORPORATION Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo (72)Name of Inventor : ONISHI Shinji KOCHI Taketo KAJIWARA Kei |
|---|--|
|---|--|

(57) Abstract :

Disclosed is an information processing terminal comprising a display input unit and a control means. The display input unit displays a screen on a display and receives an operation. The control means functions to align a plurality of items included in a first item group in one row to display a part of the row within a predetermined fan shaped area at the lower side of the display and to change items displayed on the display by scrolling the row in accordance with the operation to the display.

Fig.4A



No. of Pages : 62 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :A47B88/04 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2010 036 559.9 | 1)PAUL HETTICH GMBH & CO. KG |
| (32) Priority Date | :22/07/2010 | Address of Applicant :Vahrenkampstrae 12 16 32278 |
| (33) Name of priority country | :Germany | Kirchlengern Germany |
| (86) International Application No | :PCT/EP2011/062333 | (72)Name of Inventor : |
| Filing Date | :19/07/2011 | 1)MERTENS Janine |
| (87) International Publication No | :WO 2012/010589 | 2)FREIHEIT Patrick |
| (87) International Fublication No | A1 | 3)KROKE Karsten |
| (61) Patent of Addition to Application | . NI A | 4)WEICHELT Rainer |
| Number | :NA | 5)SCHRUBKE Lars |
| Filing Date | :NA | 6)BAUM J ¹ /4rgen |
| (62) Divisional to Application Number | :NA | - |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : EJECTOR UNIT AND PUSH DEVICE

(57) Abstract :

The invention relates to an ejector unit (1) in particular for movable furniture parts comprising a pivotably mounted lever (2) which is preloaded by means of a spring (17) in an ejection direction wherein the lever (2) is provided with a detent mechanism $(11\ 20)$ by means of which the lever (2) can be latched in a closed position against the force of the spring (17). This allows the ejector unit (1) to have a particularly compact design.

No. of Pages : 56 No. of Claims : 19

(22) Date of filing of Application :15/01/2013

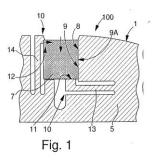
(43) Publication Date : 13/05/2016

| (51) International classification | :G04B17/06,G04B18/00 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :10170005.2 | 1)NIVAROX FAR S.A. |
| (32) Priority Date | :19/07/2010 | Address of Applicant : Avenue du Coll ["] ge 10 CH 2400 Le |
| (33) Name of priority country | :EPO | Locle Switzerland |
| (86) International Application No | :PCT/EP2011/061294 | (72)Name of Inventor : |
| Filing Date | :05/07/2011 | 1)MALLET Daniel |
| (87) International Publication No | :WO 2012/010410 A1 | 2)TOLLE Frdric |
| (61) Patent of Addition to Application | :NA | 3)BARTHOULOT Philippe |
| Number | :NA | 4)VICENTE Daniel |
| Filing Date | .NA | 5)GRAF Emmanuel |
| (62) Divisional to Application Number | :NA | 6)BERGER Philom [¨] ne |
| Filing Date | :NA | 7)CUSIN Pierre |

(54) Title of the invention : BALANCE HAVING INERTIA ADJUSTMENT USING AN INSERT

(57) Abstract :

The invention relates to a balance set (100) for a timepiece having inertia adjustment for adjusting the inertia and/or balance and/or oscillation frequency thereof including a balance (1) comprising an insert (7) that is inserted into a recess (8) of a rim (5) connected to a hub (2) by a junction surface (6). Said balance (1) comprises at the rim (5) thereof resilient supporting means (10) comprising two antagonistic resilient lips (13 14) which enable when a load is applied thereto the insertion of said insert (7) into said recess (8) and which prevent when released the extraction of the insert from the recess (8). The invention also relates to a balance and spring assembly or to a timepiece including such a balance. Figure 1



No. of Pages : 28 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ULTRA LOW ENERGY CONSUMING ELECTRICITY AND FUEL FREE FURANCES, STEAM GENERATORS USING CONCENTRATED SOLAR POWER

| BALANAGAR, HYDERABAD, R. R. DISTRICT, PIN: 500 037 Andhra Pradesh India (72)Name of Inventor : 1)D.P. CHAKRAVARTHY 2)BANDA RAVI SANKAR |
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| |
| |

(57) Abstract :

In this method of invention, thermic heat fluid oils stored in spiral rotated pipe systems made up of Cu-Al alloy material under the concentrated solar exposure through Fresnel lenses or parabolic mirrors. Due to concentrated sunlight, heated oil transmits heat to the furnaces or boilers.

No. of Pages : 7 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : A SYSTEM AND METHOD FOR BUSINESSES TO CREATE SECURE SOCIAL NETWORKS USING THE CONCEPT OF SYNCHRONIZED SPACES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | (71)Name of Applicant : 1)CHANDRAMOULI BALARAMAN Address of Applicant :26/1, EAST AVENUE KESAVAPERUMALPURAM CHENNAI - 600 028 Tamil Nadu India (72)Name of Inventor : 1)CHANDRAMOULI BALARAMAN |
|--|------------|--|
|--|------------|--|

(57) Abstract :

A method for creating a synchronized space between businesses on a loosely coupled peer-to-peer model across their network domains to enable members of these businesses to collaborate seamlessly as per agreed policies is provided. The method includes i) Establishing secure connection between businesses that wish to engage in social networking ii) Defining and agreeing on space policy iii) Creation of synchronized spaces between businesses iv) Addition of members across businesses in synchronized space v) Continuous synchronization of established spaces between the participating businesses vi) Entry of a new businesses to an existing space vii) Exit of a business from a space and viii) Exit of a business from the social network. The method allows for businesses to create/join a community, to establish secure connectivity to the business thereby allowing members of a business to collaborate posting messages, documents and structured forms to members of other businesses.

No. of Pages : 56 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :03/01/2013

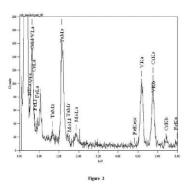
(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD FOR PRODUCING A TEMPERED MARTENSITIC HEAT RESISTANT STEEL FOR HIGH TEMPERATURE APPLICATIONS

| (31) Priority Document No(32) Priority Date | :C21D1/18,C21D6/00,C22C38/00 :10165598.3 :10/06/2010 | 1)TATA STEEL NEDERLAND TECHNOLOGY BV Address of Applicant :P.O. Box 10000 3H.18 NL 1970 CA |
|--|--|---|
| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :EPO :PCT/EP2011/059657 :10/06/2011 :WO 2011/154515 | Ijmuiden Netherlands (72)Name of Inventor : 1)SACHADEL Urszula Alicja 2)MORRIS Peter Francis 3)CLARKE Philip 4)LIU Cheng |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This invention relates to a method for producing a tempered martensitic heat resistant steel for high temperature applications at an application temperature of up to 650° C and to a steel produced by the said method as well as to the use of said steel in the production of components for high temperature applications such as turbine blades or casings bolting and boiler tubes heat exchangers or other elements in power generation systems.



No. of Pages : 29 No. of Claims : 13

(22) Date of filing of Application :12/01/2013

(43) Publication Date : 13/05/2016

| (51) International classification | :H04L27/26 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/370715 | 1)QUALCOMM INCORPORATED |
| (32) Priority Date | :04/08/2010 | Address of Applicant :5775 Morehouse Drive San Diego |
| (33) Name of priority country | :U.S.A. | California 92121 U.S.A. |
| (86) International Application No | :PCT/US2011/046654 | (72)Name of Inventor : |
| Filing Date | :04/08/2011 | 1)SAMPATH Hemanth |
| (87) International Publication No | :WO 2012/019050 | 2)JONES IV Vincent Knowles |
| (61) Patent of Addition to Application | :NA | 3)VAN ZELST Albert |
| Number | :NA | 4)WENTINK Maarten Menzo |
| Filing Date | INA | 5)ABRAHAM Santosh Paul |
| (62) Divisional to Application Number | :NA | 6)MERLIN Simone |
| Filing Date | :NA | |

(54) Title of the invention : VHT SIG B FIELD IN NULL DATA PACKETS (NDPS)

(57) Abstract :

Certain aspects of the present disclosure relate to methods and apparatus for using information in a Very High Throughput Signal B (VHT SIG B) field in the preamble of a null data packet (NDP). Retaining the VHT SIG B field in NDPs offers several advantages such as maintaining a unified IEEE 802.11ac preamble structure providing for 4 s extra time to process beamforming feedback and being able to use information in the VHT SIG B field to determine a level of interference in the NDP.

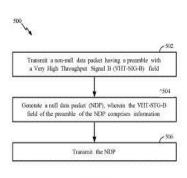


FIG. 5

No. of Pages : 37 No. of Claims : 58

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATICALLY EXTRACTING MULTI-FORMAT DATA FROM DOCUMENTS AND CONVERTING INTO XML

| | | (71)Name of Applicant : |
|---|-------|--|
| (51) International classification | :G06Q | |
| (31) Priority Document No | :NA | PVT. LTD. |
| (32) Priority Date | :NA | Address of Applicant : TECHNO COMPLEX NO. 5/535, OLD |
| (33) Name of priority country | :NA | MAHABALIPURAM ROAD OKKIYAM THORAIPAKKAM |
| (86) International Application No | :NA | CHENNAI - 600 097 Tamil Nadu India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)DR G SUBRAHMANYA VRK RAO |
| (61) Patent of Addition to Application Number | :NA | 2)PARTHASARATHI JINKA |
| Filing Date | :NA | 3)VENKATESH SRINIVASAN |
| (62) Divisional to Application Number | :NA | 4)RAMESH SELVARAJ |
| Filing Date | :NA | 5)SURESH KUMAR RAMASWAMY |
| | | 6)DINESH MAROO |

(57) Abstract :

A system and computer-implemented method for extracting insurance data from one or more documents having one or more file formats and converting into Extensible Markup Language (XML) format is provided. The system comprises a user interface configured to facilitate one or more users to submit one or more documents related to insurance. The system further comprises a business type classification module configured to identify the one or more submitted documents based on a business type. Further, the system comprises a format classification module configured to identify file format of the one or more submitted documents. Furthermore, the system comprises an extraction and conversion module configured to match one or more headers in the one or more submitted documents with one or more pre-stored headers, extract insurance data corresponding to the one or more matched headers and convert the extracted insurance data into XML format.

No. of Pages : 79 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :04/01/2013

(54) Title of the invention : TURBO EVACUATOR FOR INTERNAL COMBUSTION ENGINE

| ·EU3B | (71)Name of Applicant : |
|-------|---|
| | 1)S. RAMAMOORTHI |
| | Address of Applicant :41-A, RAILWAY COLONY, |
| | SANKARI R. S637 302, SALEM DIST Tamil Nadu India |
| | (72)Name of Inventor : |
| | 1)S. RAMAMOORTHI |
| | 1)5. NAWAWOONTHI |
| | |
| | |
| | |
| :NA | |
| | :NA :NA :NA :NA :NA :NA :NA :NA :NA |

(57) Abstract :

For increase the difference of pressure between the cylinder and exhaust manifold a continuous low pressure than the atmospheric pressure created at exhaust manifold done by the special evacuator pipe. This evacuator pipe working under the principle of Bernoulis rule in which the compressed air generated by the turbo, released through its narrowed nozzle then due to the high velocity flow of air at the outlet of evacuator nozzle, there will be creation of low pressure in the passage of flow. This low pressure sucks the exhaust gases passing surround the compressed air flow. The compressed air generated by the additional compressor fan operated through same turbines of turbo charger which rotated by exhaust gases along with back flow of compressed air. Hence there will be very little energy loss for turbo charger due to repeated operation of compressed air. In this way it accelerates the ejection of exhaust gases from the cylinder of four stroke multi cylinder engine and acts as good scavenging of Exhaust gases from the cylinder of the Engine.

No. of Pages : 10 No. of Claims : 5

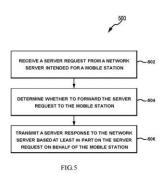
(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : APPARATUS AND METHOD FOR REDUCING FREQUENT SERVER MESSAGES | | | |
|--|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :H04W76/04 :61/368197 :27/07/2010 :U.S.A. :PCT/US2011/045630 :27/07/2011 :WO 2012/015987 :NA :NA :NA | (71)Name of Applicant : (71)Name of Applicant : (71)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration (7575 Morehouse Drive San Diego California 92121-1714 U.S.A. (72)Name of Inventor : (72)Name of Inventor : (72)CHERIAN George | |
| Filing Date | :NA | | |

(57) Abstract :

An apparatus and method for reducing frequent server messages including receiving a server request from a network server intended for a mobile station; determining whether to forward the server request to the mobile station; and transmitting a server response to the network server based at least in part on the server request on behalf of the mobile station.



No. of Pages : 57 No. of Claims : 40

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : LASER ABULATED NANO SLICING OF REQUIRED NANOMETER LENGTHS

| (51) International classification:B267/007/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NAKaFiling DateFiling Date:NAKaFiling DateFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NA | (71)Name of Applicant : 1)EESAVYASA TECHNOLOGIES PVT. LTD. Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA PRADESH-500037 Andhra Pradesh India (72)Name of Inventor : 1)D.P. CHAKRAVARTHY 2)BANDA RAVI SANKAR 3)DR. KUNAM SASIDHAR REDDY |
|---|--|
|---|--|

(57) Abstract :

In this method of invention, nano materials to be produced are continuously heat with laser diodes emitting pulsed laser beams. The entire system is placed in a vacuum system. During the ultra low time intervals laser ablations subjected to the target or stage materials, required nano metric lengths of products can be synthesized.

No. of Pages : 6 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :03/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TETRAHYDROCARBOLINE DERIVATIVE

| (51) International classification (31) Priority Documen No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date | :2010134280 :06/07/2010 :Japan :PCT/JP2011/065312 :05/07/2011 :WO 2012/005227 | (71)Name of Applicant : 1)ONO PHARMACEUTICAL CO. LTD. Address of Applicant :1 5 Doshomachi 2 chome Chuo ku Osaka shi Osaka 5418526 Japan (72)Name of Inventor : 1)OHATA Akira 2)NAKATANI Shingo 3)SUGIYAMA Tetsuya 4)MORIMOTO Takashi |
|---|--|---|
|---|--|---|

(57) Abstract :

As a pharmaceutical product useful for patients with urine evacuation disorders for whom conventional drugs are ineffective a drug is disclosed having inhibitory activity on ENPP2 which is a target different from that of already existing drugs. Disclosed are a compound represented by formula (I) (wherein definitions of the groups are as in the description) having ENPP2 inhibitory activity a salt or solvate thereof a prodrug of either of these or an agent for prevention treatment and/or symptomatic improvement of urine evacuation disorders containing either of these as an active ingredient.

No. of Pages : 217 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : AN INJECTABLE ANTIFUNGAL FORMULATION

| (51) International classification | :A61K | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)MYLAN LABORATORIES LIMITED |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO. 564/A/22, RAOD NO. 92, |
| (33) Name of priority country | :NA | JUBILEE HILLS, HYDERABAD - 500 034 Andhra Pradesh |
| (86) International Application No | :NA | India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)BHUSHAN, INDU |
| (61) Patent of Addition to Application Number | :NA | 2)PANANCHUKUNNATH, MANOJ KUMAR |
| Filing Date | :NA | 3)GORE, SUBHASH |
| (62) Divisional to Application Number | :NA | 4)SINGH, AJEET KUMAR |
| Filing Date | :NA | 5)MALI, SANDIP |

(57) Abstract :

The invention relates to a ready to reconstitute injectable voriconazole formulation, wherein the formulation comprises not more than 150 mg/ml of hydroxypropyl β -cyclodextrin after reconstitution.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PROCESS FOR DEHYDRATION AND ISOMERIZATION OF C4 ALCOHOLS USING AN AMORPHOUS SOLID WITH SUITABLE POROSITY

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :C07C5/27,C07C11/09,C07C1/24 :1002469 :11/06/2010 :France :PCT/FR2011/000316 :27/05/2011 :WO 2011/154621 :NA :NA | (71)Name of Applicant : I)IFP ENERGIES NOUVELLES Address of Applicant :1 & 4 avenue de Bois Prau F 92852 Rueil Malmaison Cedex France (72)Name of Inventor : I)COUPARD Vincent 2)MAURY Sylvie 3)SURLA Karine |
|--|--|---|
| Number Filing Date | :NA :NA | |

(57) Abstract :

The subject matter of the present invention is a process for producing C4 olefins from a C4 monoalcohol feedstock in which a reaction for dehydration of the monoalcohol to give at least one olefin and a reaction for skeletal isomerization of at least one of the olefins produced are carried out in the same reaction chamber in the presence of a catalyst based on alumina with suitable porosity.

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

(19) INDIA

(22) Date of filing of Application :15/01/2013

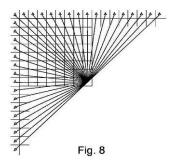
(43) Publication Date : 13/05/2016

| (51) International classification | :H04N7/34 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/364322 | 1)NTT DOCOMO INC. |
| (32) Priority Date | :14/07/2010 | Address of Applicant :Sanno Park Tower 11 1 Nagatacho 2 |
| (33) Name of priority country | :U.S.A. | chome Chiyoda ku Tokyo 100 6150 Japan |
| (86) International Application No | :PCT/US2011/044014 | (72)Name of Inventor : |
| Filing Date | :14/07/2011 | 1)BOSSEN Frank Jan |
| (87) International Publication No | :WO 2012/009540 | 2)TAN Thiow Keng |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : LOW COMPLEXITY INTRA PREDICTION FOR VIDEO CODING

(57) Abstract :

The present invention provides a unique intra prediction process which improves the efficiency of video coding. H.264/AVC uses reference pixels in a horizontal boundary located immediately above a target block to be predicted and reference pixels in a vertical boundary located immediately left of the target block. In the present invention at least some of one of an array of horizontal boundary pixels and an array of vertical boundary pixels are retrieved. Then the retrieved pixels are added to the other boundary pixels to extend the array thereof. Intra prediction is performed based solely on the extended array of boundary pixels.



No. of Pages : 46 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : A METHOD AND AN ELECTRONIC DISPLAY DEVICE FOR AUTO SWITCHING CHANNELS BASED ON USER PREFERENCE DURING ADVERTISEMENT DISPLAY

| (31) Priority Document No: N(32) Priority Date: N(33) Name of priority country: N(36) International Application No: NFiling Date: N(87) International Publication No: I(61) Patent of Addition to Application Number: NFiling Date: N(62) Divisional to Application Number: N | G06F(71)Name of Applicant :NA1)SAMSUNG ELECTRONICS COMPANYNAAddress of Applicant :SAMSUNG ELECTRONICSNACOMPANY 416 MAETAN-DONG, YEONGTONG-GU,NASUWON-SI, GYEONGGI-DO 442-742 Republic of KoreaNA(72)Name of Inventor :NA1)PRASIDDHA NARAYAN SINGHNA2)ADITI GARGNA3)PRITHVEESH GOELNANA |
|---|--|
|---|--|

(57) Abstract :

A method and an electronic display device for auto switching channels based on user preference during advertisement display is provided. The method includes activating an auto channel switching system by a user of the electronic display device, enabling the user to select a channel list by launching a channel list selection menu, activating advertisement detection, scanning channels of the channel list selected by the user if advertisement is detected, and switching to an advertisement free channel from a current channel. The electronic display device includes a communication interface in electronic communication with the electronic display device, a memory that stores instructions, and a processor.

No. of Pages : 31 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :07/01/2013

(54) Title of the invention : ULTRA LOW ENERGY CONSUMING POWER SPRAYERS, SRPINKLERS AND MICRO **IRRIGATION SYSTEMS**

| (51) International classification | :A01G | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD., |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH-500037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this invention, mechanical advantage principles are used to produce extra ordinary pressure on other side of positive displacement piston in a cylinder. This method is used to design power sprayers, sprinklers and drip irrigation type of micro irrigation systems. This mechanical advantage devices like hydraulic presses, screw rods, magnetic spring loaded potential energy accumulators can be operated with ultra low energy consuming brushed or brushless dc motor.

No. of Pages : 9 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEMS AND METHODS TO UPDATE REFERENCE VOLTAGES IN RESPONSE TO DATA RETENTION IN ON-VOLATILE MEMORY •

| (51) International classification | :G09G | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)SANDISK TECHNOLOGIES INC. |
| (32) Priority Date | :NA | Address of Applicant : Two Legacy Town Center, 6900 North |
| (33) Name of priority country | :NA | Dallas Parkway Plano, TX 75024, United States of America |
| (86) International Application No | :NA | U.S.A. |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Sateesh Desireddi |
| (61) Patent of Addition to Application Number | :NA | 2)Jayaprakash Naradasi |
| Filing Date | :NA | 3)Anand Venkitachalam |
| (62) Divisional to Application Number | :NA | 4)Manuel Antonio d™Abreu |
| Filing Date | :NA | 5)Stephen Skala |

(57) Abstract :

A data storage device includes non-volatile memory and a controller. The controller is configured to, at a first time, determine a first count of storage elements having threshold voltages within a voltage range that corresponds to a first reference voltage. The controller is further configured to, at a second time, determine a second count of storage elements having threshold voltages within the voltage range. The controller is further configured to calculate an updated first reference voltage at least partially based on the first reference voltage, the first count, and the second count.

No. of Pages : 31 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PYRAZOLO [1 5A] PYRIMIDINE AND THIENO [3 2B] PYRIMIDINE DERIVATIVES AS IRAK4 MODULATORS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application No | :01/303855 :13/07/2010 :U.S.A. :PCT/EP2011/061598 :08/07/2011 :WO 2012/007375 | (71)Name of Applicant : 1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel Switzerland (72)Name of Inventor : 1)ARORA Nidhi 2)CHEN Shaoqing 3)HERMANN Johannes Cornelius 4)KUGLSTATTER Andreas 5)LABADIE Sharada Shenvi 6)LIN Clara Jeou Jen 7)LUCAS Matthew C. 8)MOORE Amy Geraldine 0)DADD Email |
|--|--|--|
| to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | 8)MOORE Amy Geraldine 9)PAPP Eva 10)TALAMAS Francisco Xavier 11)WANNER Jutta 12)ZHAI Yansheng |
| Filing Date | INA | |

(57) Abstract :

12Compounds of the formula I or II: wherein X m Ar R and R are as defined herein. The subject compounds are useful for treatment of IRAK mediated conditions.

No. of Pages : 185 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ADAPTIVE RESOURCE PARTITIONING INFORMATION (ARPI) TRANSITION BEHAVIOR IN HETEROGENEOUS NETWORKS

| (51) International classification(31) Priority Document No(32) Priority Date | :H04W72/08,H04W16/10,H04L1/18 :61/356999 :21/06/2010 | Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 U.S.A. |
|--|--|--|
| (33) Name of priority country(86) International | y:U.S.A. :PCT/US2011/041296 | (72)Name of Inventor : 1)SONG Osok |
| Application No Filing Date | :21/06/2011 | 2)VAJAPEYAM Madhavan Srinivasan 3)JI Tingfang |
| (87) International Publication | :WO 2011/163265 | 4)DAMNJANOVIC Aleksandar 5)BARBIERI Alan |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

One aspect discloses transition behavior of dynamically changing subframe interlaces and the corresponding behavior of the bases stations during the changing. A method of wireless communication includes receiving (1010 1020) a request to dynamically change a subframe interlace. The subframe interlace is transitioned and during the transition new data transmission is prevented on the prohibited subframe interlace and retransmissions are allowed on the prohibited subframe interlace (1012). Alternatively during the transition pending retransmissions on the prohibited subframe interface are prevented (1022) and all pending retransmissions waiting to be scheduled on the subframe interface are stopped and corresponding packets are discarded (1024).



No. of Pages : 43 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : FLAME RETARDANT COMPOUND CONTINUOUS MATERIALS AND PRODUCTS CONSTRUCTED THEREFROM AND METHODS OF MANUFACTURE THEREOF

| (51) International classification(31) Priority Document No(32) Priority Date | :C09K21/12,C08K5/49,D01F1/07 :61/355331 :16/06/2010 | (71)Name of Applicant : 1)FEDERAL MOGUL POWERTRAIN INC. Address of Applicant :26555 Northwestern Highway |
|--|---|--|
| (32) Fifting Date(33) Name of priority country(86) International Application | :U.S.A. | Southfield MI 48033 U.S.A. (72) Name of Inventor : |
| No Filing Date | :PCT/US2011/040702 :16/06/2011 | 1)CHEN Ming ming |
| (87) International Publication No | :WO 2011/159897 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A zero halogen flame retardant compound and continuous materials extruded therefrom comprise poly(ethylene terephthalate) (PET) fire retardant ingredients melamine cyanurate (MC) and melamine polyphosphate (MPP) and an organo titanate coupling agent. The coupling agent acts as a dispersion agent to the fine powders of PET MC and MPP and also allows the resin of the fine powders to be compounded at a reduced temperature which prevents degradation of the PET. The compound can be extruded as a thin film sheet or tubing and also as a filament or yarn including monofi laments and multifi laments which can ultimately be used to construct a protective sleeve.



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

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : TWISTED NEMATIC MODE LIQUID CRYSTAL DISPLAY DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :C02F1/13363,G02B3/30,G02F1/1333 :2010140455 :21/06/2010 :Japan :PCT/JP2011/064044 :20/06/2011 :WO 2011/162202 :NA | (71)Name of Applicant : 1)FUJIFILM CORPORATION Address of Applicant :26 30 Nishiazabu 2 chome Minato ku Tokyo 1060031 Japan (72)Name of Inventor : 1)SATO Hiroshi 2)TAKEDA Jun |
|---|---|--|
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed is a twisted nematic mode liquid crystal display device wherein frame shaped light leakage is reduced. Specifically disclosed is a twisted nematic liquid crystal display device characterized by having a pair of polarizers (11 12) that are mutually positioned orthogonally to the polarizing axis of the other a TN mode liquid crystal cell (13) positioned therebetween and a layer with a low degree of substitution that includes as a main component thereof cellulose acylate that fulfills 2.0 < Z1 < 2.7 (where Z1 is the total degree of acyl substitution for the cellulose acylate in the layer with a low degree of substitution). The twisted nematic liquid crystal display device is further characterized by having a layer with a low degree of substitution between each of the polarizers and the twisted nematic mode liquid crystal cell and by having a layer with a low degree of substitution on top of the outside surface of each of the polarizers.

No. of Pages : 63 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :07/01/2013

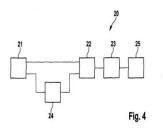
(43) Publication Date : 13/05/2016

(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING IN REALTIME THE OPERATING STATE OF AN IGBT DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :H01L :12150704.0 :11/01/2012 :EPO :NA :NA :NA :NA :NA :NA :NA | Address of Applicant AFFOL TERNSTRASSE 44 (H-8050 |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention relates to a system for monitoring in real time the operating state of an IGBT device, in particular for determining a junction temperature of an IGBT device, comprising: - a differential unit for receiving a gate-emitter voltage characteristic of the IGBT device to be measured and for differentiating the gate-emitter voltage characteristic to obtain pulses correlating with edges formed by a Miller plateau phase during a switch-off phase of the IGBT device; - a timer unit for measuring the time delay between the obtained pulses indicating the start and end of the Miller plateau phase during the switch-off phase of the IGBT device; - a junction temperature calculation unit for determining the junction temperature of the IGBT device based on the measured time delay. (Fig.4)



No. of Pages : 20 No. of Claims : 8

(19) INDIA

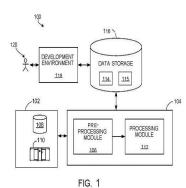
(22) Date of filing of Application :11/01/2013

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PROCESSING | G RELATED DATASET | S |
|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :G06F17/30 :61/357376 :22/06/2010 :U.S.A. :PCT/US2011/041452 :22/06/2011 :WO 2011/163363 :NA | (71)Name of Applicant : 1)AB INITIO TECHNOLOGY LLC Address of Applicant :201 Spring Street Lexington MA 02421 U.S.A. (72)Name of Inventor : 1)ROBERTS Andrew F. |
| Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

Processing related datasets includes receiving (202) records from multiple datasets (308 314 320); and processing records from each of the multiple datasets in a data processing system (100). The processing includes: analyzing (206) at least one constraint specification (302 312) stored in a data storage system (116) to determine a processing order for the multiple datasets the constraint specification specifying one or more constraints for preserving referential integrity or statistical consistency among a group of related datasets that includes the multiple datasets applying (208) one or more transformations to records from each of the multiple datasets in the determined processing order and storing (212) or outputting results of the transformations to the records from each of the multiple datasets.



No. of Pages : 85 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : METHOD FOR PRODUCING A MATERIAL INCLUDING A SUBSTRATE PROVIDED WITH A COATING

| (51) International classification | :C03C17/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1056165 | 1)SAINT GOBAIN GLASS FRANCE |
| (32) Priority Date | :27/07/2010 | Address of Applicant :18 avenue dAlsace F 92400 Courbevoie |
| (33) Name of priority country | :France | France |
| (86) International Application No | :PCT/FR2011/051733 | (72)Name of Inventor : |
| Filing Date | :19/07/2011 | 1)KHARCHENKO Andriy |
| (87) International Publication No | :WO 2012/022874 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

The invention relates to a method for producing a material including a substrate provided with a permanent coating which includes at least one thin film on at least one of the surfaces thereof said method including the following steps: depositing said permanent coating on at least one of the surfaces of said substrate; then depositing a temporary coating directly on top of said permanent coating said temporary coating including as the layer closest to the substrate at least one thin film that is soluble in a solvent said thin film having at least one functional layer applied thereon; and then heat treating the thus coated substrate so as to remove the temporary coating from the surface of said substrate.

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

(19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : PURIFICATION AND IMMOBILIZATION OF RING CLEAVING ENZYME FOR DETOXIFICATION OF AROMATIC RING CONTAINIG PESTICIDES

| (51) International classification | :C12N | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)DR. NAYEEM ULLAH KHAN |
| (32) Priority Date | :NA | Address of Applicant :#10, 4TH CROSS, OPP. |
| (33) Name of priority country | :NA | DAYANANDA SAGAR COLLEGE, K-S, LAYOUT, |
| (86) International Application No | :NA | BANGALORE - 560 078 Karnataka India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)MS. SHEETAL SINGH |
| (61) Patent of Addition to Application Number | :NA | 2)MS. BHAGYA REDDY |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

The invention is for removing PNP in places where methyl-parathion is used. The enzyme has been isolated, which metabolizes, PNP to HQ. HQ is ring cleaved and finally mineralized to CO2. The enzyme is probably ring cleaving enzyme that cleaves ring of HQ. The enzyme is immobilized on cotton muslin cloth, the cloth filter can be used for removal of both PNP and HQ. PNP-4-hydroxylase and hydroquinone dioxygenase are immobilized for this purpose. The invention describes the purification of a dioxygenase. The invention is useful for detoxification of aromatic ring containing pesticides.

No. of Pages : 4 No. of Claims : 2

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 13/05/2016

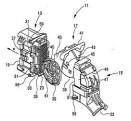
(54) Title of the invention : LEVER TYPE CONNECTOR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :2010163083 :20/07/2010 :Japan :PCT/JP2011/066788 :19/07/2011 :WO 2012/011597 :NA | (71)Name of Applicant : 1)YAZAKI CORPORATION Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo 1088333 Japan (72)Name of Inventor : 1)KOBAYASHI Tohru 2)YAMAMOTO Shoji |
|--|---|--|
| Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A lever type connector which is capable of preventing a false fitting of an electric wire cover and a breakage of a connector housing caused at a time of the drop with a simple structure is obtained. In the level type connector 11 in which an electric wire cover 15 is attached to a connector housing 13 to which a lever 17 is already fitted a false fitting preventing projection 55 that protrudes from the electric wire cover 15 and prevents the false fitting of the electric wire cover 15 when this projection comes into contact with the lever 17 is provided and the false fitting preventing projection 55 protrudes outward rather than the connector housing 13 and an outer surface of the lever 17. The false fitting preventing projection 55 absorbs an impact applied from the outside and serves as a cushioning member against at least the connector housing 13.

FIG. 1



No. of Pages : 24 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : A PROCESS FOR COATING REFRACTORIES IN STEEL PLANT

| | C0 (D | |
|---|-------|---|
| (51) International classification | :C04B | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)Rashtriya Ispat Nigam Limited |
| (32) Priority Date | :NA | Address of Applicant : A Government of India Undertaking, |
| (33) Name of priority country | :NA | VSP, Visakhapatnam, Andhra Pradesh, India Andhra Pradesh |
| (86) International Application No | :NA | India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)A.K.Rama Rao |
| (61) Patent of Addition to Application Number | :NA | 2)A Syamsundar |
| Filing Date | :NA | 3)B.S.Murty |
| (62) Divisional to Application Number | :NA | 4)A.S.Gandhi |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to the use of nanocrystalline materials (CeO2, MgO and YSZ) based protective coatings on the steel refractories in order to achieve improved life of the refractories. The CeO2, MgO and YSZ nanocrystalline powders preferably MgO powder coating are coated on Steel Industry refractories by using slurry deposition techniques at room temperature then baking of the nanocrystalline material coating is done at 1400/1600°C for 30 hours/1 hour respectively in air atmosphere for better adherent coating of sufficient thickness.

No. of Pages : 9 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : SINGLE-PHASE PREPARATION OF HYDROPHOBIC STARCH PRODUCT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :C08B 31/00 :13/345,237 :06/01/2012 :U.S.A. :NA :NA | (71)Name of Applicant : 1)CORN PRODUCTS DEVELOPMENT, INC. Address of Applicant :5 WESTBROOK CENTER, WESTCHESTER, ILLINOIS 60154 U.S.A. (72)Name of Inventor : 1)SHAWN R. BRANNING 2)John M. Tracy |
|--|---|--|
| (87) International Publication No | : NA | 3)Kamlesh K. Shah |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A single phase preparation of free flowing, hydrophobic starches which comprises a starch treated with a siliconate and an acid in a single phase process, is described herein.

No. of Pages : 28 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ULTRA LOW ENERGY CONSUMING SIGN BOARDS, HOARDINGS

| (51) Takana (1991) 1993 (6 and 199 | COOF | |
|---|-------|---|
| (51) International classification | :G09F | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD., |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO : 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH-500037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this invention, solid state illumination devices like high bright color leds, laser diodes etc are used in producing different colored light emissions, passing through optical lenses to give optical illusions on sign boards, ad hoardings etc. The whole system can be controlled with intelligent automated control system to feed any type of animated displays to be projected. With this kind of ultra low energy consuming light resources utilization, maximum power reduction can be achieved and boards can be illuminated with solar power or battery power.

No. of Pages : 7 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :03/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : DEVICE DISCOVERY ON WHITE SPACE FREQUENCIES

| classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :H04W16/14,H04W84/18,H04W8/00 :12/817661 :17/06/2010 :U.S.A. :PCT/US2011/040971 :17/06/2011 :WO 2011/160077 :NA :NA :NA | (71)Name of Applicant : 1)QUALCOMM Incorporated Address of Applicant :Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor : 1)SADEK Ahmed K. 2)JAIN Avinash |
|---|--|---|
|---|--|---|

(57) Abstract :

A method of wireless communication includes receiving a first signal on a first channel determining a second channel based on the first signal receiving a second signal on the second channel and communicating with a wireless device on the second channel based on a quality of the second signal.

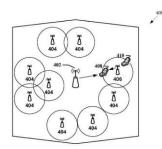


FIG. 4 No. of Pages : 39 No. of Claims : 46

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 13/05/2016

(54) Title of the invention : ENERGY EFFICIENT HYBRID AUTO MOBILE ENGINES USING COMPRESSED LIQUID AIR OR GAS

| (51) International classification | :B60K | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)EESAVYASA TECHNOLOGIES PVT. LTD., |
| (32) Priority Date | :NA | Address of Applicant :PLOT NO: 79, PHASE-III, SVCIE, |
| (33) Name of priority country | :NA | BALANAGAR, HYDERABAD, R. R. DISTRICT, ANDHRA |
| (86) International Application No | :NA | PRADESH-500037 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)D.P. CHAKRAVARTHY |
| (61) Patent of Addition to Application Number | :NA | 2)BANDA RAVI SANKAR |
| Filing Date | :NA | 3)DR. KUNAM SASIDHAR REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In this method of invention rotator and linear positive displacement systems like piston cylinder, rotary vein, crank engines etc are run using highly compressed liquid air as propellant. Mechanical advantage based methods are employed to build high compressed liquid air cylinders which can be housed in the engine and intelligent pre programmed release of compressed air will enable positive displacement. Air compression activity is monitored by a battery powered central controlled system.

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

(19) INDIA

(22) Date of filing of Application :10/11/2014

(43) Publication Date : 13/05/2016

| 1F2/06 (71)Name of Applicant : |
|--|
| 1)WU, JUI-YI |
| Address of Applicant :NO. 8, LN. 704, HEPING RD., BADE |
| CITY, TAOYUAN COUNTY 33463, TAIWAN, R.O.C. Taiwan |
| 2)WU, JUI-HSIANG |
| (72)Name of Inventor : |
| A 1)WU, JUI-YI |
| |
| |
| |
| |
| |

(54) Title of the invention : SIX-NEEDLE EIGHT-THREAD STITCH CONFIGURATION

(57) Abstract :

A six-needle eight-thread stitch configuration includes six rows of threads (21-26) sewn to two adjoining portions (13, 14) respectively of two fabrics (11, 12). Each row of threads (21-26) tightens a top thread (3; 3) and a bottom thread (4; 4) respectively and extending sinuously on upper and lower sides of each adjoining portion (13, 14). Each row of threads (21-26) includes a plurality of upper loops (27) and a plurality of lower loops (28) respectively on the upper and lower sides of the adjoining portions (13, 14). The top thread (3; 3) extends through the upper loops (27) of each row of threads (21-26) and is fixed to the upper sides of the fabrics (11, 12). The lower thread (4; 4) extends through the lower loops (28) of each row of threads (21-26) and is fixed to the lower sides of the fabrics (11, 12).

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

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 13/05/2016

(54) Title of the invention : FAULT TOLERANT CONTROL FOR VECTOR CONTROLLED INDUCTION MOTOR DRIVE

| (51) International classification(31) Priority Document No(32) Priority Date | :NA :NA | (71)Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY Address of Applicant :Kharagpur PIN 721 302 Dist |
|--|------------|--|
| (33) Name of priority country | :NA | Midnapore State of West Bengal India West Bengal India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)CHAKRABORTY Chandan |
| (87) International Publication No | : NA | 2)VERMA Vimlesh |
| (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 system and a method for current estimation and current sensor fault detection and isolation for a vector controlled Induction motor (IM) drive. The performance of the drive greatly relies on the feedback signals from the current sensor. A sudden failure in one of the current sensors degrades the performance of the drive. Moreover, if the fault is not detected and handled quickly, it can lead to failure of the system or make the controller unstable. In the proposed fault detection and isolation unit, the currents are estimated in two phase stationary reference frame. The proposed current estimation technique and fault tolerant controllers are simulated and experimentally validated.

No. of Pages : 50 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :17/09/2012

(54) Title of the invention : SINGLE CURRENT SENSOR BASED SPEED SENSORLESS VECTOR CONTROLLED INDUCTION MOTOR DRIVE

| (31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA | (72)Name of Inventor : 1)CHAKRABORTY Chandan |
|--|---|
| Filing Date:NA(62) Divisional to Application Number:NAFiling Date:NA | |

(57) Abstract :

The present insertion provides a system and method for speed estimation of a speed sensorless vector controlled induction motor (IM) drive. The system works with single current sensor. The system comprises a sensor mean for sensing current, said current sensor means being placed in phase with one of the phases of the motor drive; a processing unit; a current estimation unit for estimating the phase current (is β _est); a speed estimation unit for estimating the speed of the drive; a stator resistance estimation unit for estimating and compensating the resistance of the stator in said estimated current of the drive. The sensor means sensing the phase current and computing the measured/sensed phase currents (is α) by means of the said processing unit. The stator resistance estimation unit comprises a Y-model reference adaptive system for estimating and compensating the speed of the drive using single current and speed estimation unit comprises an X-model reference adaptive system for estimating the speed of the drive using single current sensor.

No. of Pages : 44 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :09/04/2015

(43) Publication Date : 13/05/2016

(54) Title of the invention : DIE CASTING MOLD EVACUATION VALVE ASSEMBLY (51) International classification :B65B31/04 (71)Name of Applicant : (31) Priority Document No 1)FONDAREX S.A. :01730/14 (32) Priority Date :07/11/2014 Address of Applicant :ROUTE INDUSTRIELLE 13, Z.I. RIO-(33) Name of priority country :Switzerland GREDON, CH-1806 ST-L‰GIER SWITZERLAND Switzerland (86) International Application No (72)Name of Inventor : :NA Filing Date :NA **1)BAUMGARTNER KONRAD** (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 die casting mold evacuation valve assembly (1) features a two-part valve casing (2). Machined in the front casing part (2a) is an evacuation duct (3, 5) closable by means of an evacuation valve (7). Housed in the casing (2) is an actuator (14) for actuating a valve piston (8) of the evacuation valve (7). The actuator (14) comprises a casting material actuated force transducer (15) and a force transmission member (20) for transmitting the closing movement of the force transducer (15) to the valve piston (8) of the evacuation valve (7). The actuator a stacked spring assembly (23) for returning the actuator (14) and/or force ejecting the riser. The front casing part (2a) is provided with a sleeve (26) surrounding at least the head part (9) of the valve piston (8) and a further sleeve (31) surrounding at least the head part (16) of the force transducer (15). Both sleeves (26, 31) are harder than the front casing part (2a).

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

(19) INDIA

(22) Date of filing of Application :11/11/2014

(43) Publication Date : 13/05/2016

(54) Title of the invention : TIP TORQUE THICKNESS CUSTOMIZATION DEVICE (51) International classification :G06F9/445 (71)Name of Applicant : (31) Priority Document No 1)DR. SURYA KANTA DAS :NA (32) Priority Date Address of Applicant :FLAT NO. 408, KRISHNA ARCADE, :NA (33) Name of priority country :NA DOLAMUNDAI, CUTTACK - 753001, ORISSA, INDIA. Orissa (86) International Application No :NA India Filing Date :NA (72)Name of Inventor: (87) International Publication No : NA 1)DR. SURYA KANTA DAS (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

This invention relates to a device for customization of lingual brackets and in particular, this invention relates to lingual orthodontic treatment, where in the brackets are fixed on the inner surface (lingual surface) of teeth, for correction of alignment of teeth which are bucked (forwardly placed) or crowded (irregularly positioned) etc that not only affect the looks and self-esteem of an individual but also help in aggravating other oro-dental diseases like dental caries, periodontitis, TMJ problems etc. More particularly, this present invention relates to a simple and highly accurate device, which enables the orthodontist to customize a lingual bracket of desired tip, torque and thickness by adding composite pads in their base. Furthermore, this invention also relates to a device for customization of lingual brackets, which has the beneficial effects of being precise, safe and reliable. Furthermore, this invention also relates to a customization device for teeth which has the beneficial effects of safety and reliability.

No. of Pages : 31 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 13/05/2016

| (54) Title of the invention : PARK BRAKE ACTUATION SYSTEM | | | | | | | |
|---|-------------------|---|--|--|--|--|--|
| (54) Title of the invention : PARK BRAKE ACTU (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | | M (71)Name of Applicant : 1)TATA HITACHI CONSTRUCTION MACHINERY COMPANY LIMITED Address of Applicant :DESIGN & DEVELOPMENT DEPT JAMSHEDPUR 831010, INDIA Jharkhand India (72)Name of Inventor : 1)SANJOY CHAKRABARTY 2)T RAVI SHANKAR 3)ASHISH KUMAR | | | | | |
| (62) Divisional to Application Number Filing Date | :NA :NA :NA | SJASHISH KUMAK | | | | | |

(57) Abstract :

An automatic park brake actuation mechanism for heavy duty vehicles, the park brake selectively operable at engine start and stop condition, by activating a key switch (102) in ACC position when the engine is switched off, wherein a timer (T) (104) at pin #7 is supplied with power and a relay (RY) (101) connected in series is de-energized; a solenoid (103) coupled to the timer (T) (104) is power supplied for \tilde{t}^{TM} seconds thereby releasing air and actuating the park brake.

No. of Pages : 14 No. of Claims : 4

AMENDMENT UNDER SEC.57, CHENNAI

Notice is hereby given to make amendments in the complete specification (claims) in respect of the following patent numbers.

Patent Numbers:-

- 1. 202969 (584/CHENP/2004)
- 2. 202980 (585/CHENP/2004)

Any person interested in opposing shall give notice in Form – 14 to the Controller of Patents, at the appropriate office at any time within three months from the date of this publication, under rule 81 (3b) of Patents Act, 1970.

RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that application for restoration of under mentioned Patents have been allowed and said Patents are restored.

| SI. No. | Appln. No. | Patent No. | Applicants | Title | Date of Publication U/R.84(3) | Appropri ate Office |
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| 29 | 273031 | 2722/CHENP/2008 | 30/10/2006 | 30/11/2005 | WEIGHING DEVICE OF A PACKING MACHINE | ROBERT BOSCH GMBH | 06/03/2009 | CHENNAI |
| 28 | 273023 | 5307/CHENP/2007 | 21/04/2006 | 22/04/2005 | BIOLOGICALLY ACTIVE FORMULATION BASED ON CYCLODEXTRIN SUPRAMOLECULAR COMPLEXES | ENDURA S.p.A | 27/06/2008 | CHENNAI |
| 27 | 273022 | 4803/CHENP/2006 | 30/06/2005 | 01/07/2004 | METHOD SYSTEM AND SECURING MEANS FOR DATA ARCHIVING WITH AUTOMATIC ENCRYPTON AND DECRYPTION BY FRAGMENTATION OF KEYS | TECNOSTORE AG | 05/10/2007 | CHENNAI |
| 26 | 273021 | 3318/CHENP/2008 | 27/11/2008 | 28/11/2005 | METHOD FOR DEACTIVATING INFLUENZA VIRUS INFECTION | TAIKO PHARMACEUTICAL CO., LTD . | 06/03/2009 | CHENNAI |

| Seria 1 Num ber | Patent Numbe r | Application Number | Date of Application | Date of Priority | Title of Invention | Name of Patentee | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
|--------------------------|----------------------|-----------------------|------------------------|---------------------|--|--|--|-----------------------|
| 1 | 272960 | 414/KOL/2009 | 06/03/2009 15:57:28 | | SYSTEM AND METHOD FOR RECONSTRUCTING A THREE- DIMENSIONAL SURFACE | SIEMENS INFORMATION SYSTEMS LTD. | 10/09/2010 | KOLKATA |
| 2 | 272963 | 616/KOL/2004 | 30/09/2004 | 30/09/2003 | ASTOMOSIS DEVICE FOR JOINING TWO ORGANS | ETHICON ENDO- SURGERY INC. | 17/11/2006 | KOLKATA |
| 3 | 272964 | 419/KOL/2004 | 15/07/2004 | 17/07/2003 | AN ENERGY STORAGE DEVICE FOR A THREAD GUIDE FOR TRAVEING A THREAD WINDING AT A TEXTILE COIL | SAURER GERMANY GMBH & CO. KG | 19/05/2006 | KOLKATA |
| 4 | 272973 | 4484/KOLNP/200 8 | 04/05/2006 | 04/05/2006 | TORQUE INDICATORS FOR HANDWHEEL DEVICES,HANDWHEEL DEVICE HAVING TORQUE INDICATORS, AND RELATED METHODS | FLOWSERVE MANAGEMENT COMPANY | 13/03/2009 | KOLKATA |
| 5 | 272992 | 3170/KOLNP/200 7 | 10/03/2006 | 22/03/2005 | APPARATUS FOR AND METHOD OF COMMINUTING AGGLOMERATES | MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG. | 28/12/2007 | KOLKATA |
| 6 | 272993 | 2271/KOLNP/200 9 | 27/12/2007 | 28/12/2006 | HETEROCYCLIC RECEPTOR AGONISTS FOR THE TREATMENT OF DIABETES AND METABOLIC DISORDERS | CYMABAY THERAPEUTICS,INC. | 03/07/2009 | KOLKATA |
| 7 | 272995 | 2644/KOLNP/201 0 | 26/02/2009 | 03/04/2008 | METHOD OF DEHYDRATING ACETIC ACID | DOW CORNING CORPORATION | 15/10/2010 | KOLKATA |
| 8 | 272996 | 1386/KOLNP/200 9 | 14/09/2007 | 23/09/2006 | DEVICE FOR CAMOUFLAGING OBJECTS AND/OR PERSONS | SSZ CAMOUFLAGE TECHNOLOGY AG. | 29/05/2009 | KOLKATA |
| 9 | 273005 | 2312/KOLNP/200 7 | 30/12/2005 | 31/12/2004 | NANOPARTICLE COMPOSITION AND METHODS FOR SYNTHESIS THEREOF | ICEUTICA PTY LTD. | 17/08/2007 | KOLKATA |
| 10 | 273008 | 613/KOLNP/20 11 | 27/08/2009 | 27/08/2008 | HYDROGEN- PRODUCING FUEL PROCESSING AND FUEL CELL SYSTEMS WITH A TEMPERATURE- RESPONSIVE AUTOMATIC VALVE SYSTEM | IDATECH, LLC | 22/04/2011 | KOLKATA |

| 11 | 273011 | 1491/KOL/2007 | 01/11/2007 | | FIBREGLASS REINFORCED PLASTIC BRUSH GEAR CASING | BHARAT HEAVY ELECTRICALS LIMITED | 05/06/2009 | KOLKATA |
|----|--------|---------------------|------------------------|------------|---|--|------------|---------|
| 12 | 273013 | 765/KOL/2008 | 24/04/2008 15:58:56 | | TRACTION ALTERNATOR FOR DIESEL ELECTRIC LOCOMOTIVES WITH AC AUXILIARIES | BHARAT HEAVY ELECTRICALS LIMITED | 30/10/2009 | KOLKATA |
| 13 | 273014 | 1056/KOL/2008 | 17/06/2008 11:50:58 | 13/07/2007 | MULTI-SPEED TRANSMISSION | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 24/04/2009 | KOLKATA |
| 14 | 273015 | 735/KOL/2006 | 24/07/2006 | 06/08/2005 | METHOD FOR TAPING A STRIP CONNECTION AND ADHESIVE TAPE APPLICATOR. | BWG BERGWERK-UND WALZWERK- MASCHINENBAU GMBH | 29/06/2007 | KOLKATA |
| 15 | 273018 | 682/KOLNP/2010 | 26/09/2007 | 26/09/2007 | WATER-BASED INK COMPOSITION FOR BALLPOINT PENS | THE PILOT INK CO., LTD. | 06/08/2010 | KOLKATA |
| 16 | 273019 | 1337/KOL/2006 | 11/12/2006 | 17/01/2006 | A METHOD AND SYSTEM FOR PROTECTING AN INTAKE MANIFOLD DURING REVERSE ENGINE ROTATION | GM GLOBAL TECHNOLOGY OPERATIONS,INC | 03/04/2009 | KOLKATA |
| 17 | 273028 | 3716/KOLNP/200 8 | 11/01/2007 | 07/03/2006 | OIL RESERVOIR AND OIL SEPARATOR FOR AN OIL INJECTED COMPRESSOR | ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP | 20/02/2009 | KOLKATA |
| 18 | 273035 | 484/KOL/2007 | 27/03/2007 14:56:55 | 31/03/2006 | A SYSTEM FOR DEPLORING FASTENERS IN GASTRIC TISSUE | ETHICON ENDO- SURGERY, INC | 26/10/2007 | KOLKATA |
| 19 | 273039 | 796/KOLNP/2007 | 16/09/2005 | 16/09/2004 | DRAPEABLE SANITARY ABSORBENT NAPKIN | MCNEIL-PPC, INC | 13/07/2007 | KOLKATA |
| 20 | 273040 | 183/KOL/2006 | 03/03/2006 | 31/03/2005 | OPTICAL ACCELEROMETER, OPTICAL INCLINOMETER AND SEISMIC SENSOR SYSTEM USING SUCH ACCELEROMETER AND INCLINOMETER | PGS AMERICAS, INC. | 03/08/2007 | KOLKATA |
| 21 | 273042 | 3661/KOLNP/200 7 | 04/04/2006 | 04/04/2005 | DEVICE AND METHODS FOR TREATING PARANASAL SINUS CONDITIONS | INTERSECT ENT, INC. | 28/03/2008 | KOLKATA |
| 22 | 273045 | 788/KOLNP/2007 | 12/09/2005 | 23/09/2004 | METHOD AND APPARATUS FOR ENCRYPTION OF OVER- THE-AIR COMMUNICATIONS IN A WIRELESS COMMUNICATION SYSTEM | GOOGLE TECHNOLOGY HOLDINGS LLC, | 13/07/2007 | KOLKATA |
| 23 | 273056 | 1083/KOLNP/2 010 | 23/09/2008 | 01/10/2007 | STATUS REPORT METHOD IN A WIRELESS COMMUNICATION SYSTEM | MOTOROLA, INC. | 30/07/2010 | KOLKATA |

CONTINUED TO PART-3

CONTINUED FROM PART-2

INTRODUCTION

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. 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.

THE DESIGNS ACT, 2000 SECTION 30 <u>DESIGN ASSIGNMENT</u>

The Design stands in the name of ADVANCED FIBER SYSTEMS PRIVATE LIMITED registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

| Design No. | Class | Name |
|------------------|----------------|--|
| 235465 244487 | 13-03 06-04 | REICHLE & DE-MASSARI HOLDING AG, A CORPORATION ORGANIZED UNDER THE LAWS OF SWITZERLAND, WHOSE ADDRESS IS BINZSTRASSE 32 8620 WETZIKON, SWITZERLAND, EUROPE |

CANCELLATION PROCEEDINGS under Section 19 of the Designs Act, 2000 & <u>under Rule 29(1) of Designs (Amendment) Rules, 2008</u>

"M/s. Alps Industries Ltd., a company incorporated under the provisions of Companies Act 1956 having its registered office at 52/7, Site-IV Industrial Area, Sahibabad, Ghaziabad, Uttar Pradesh – 201010, India has filed a petition No. Can/032/2016) on 21/04/2016 for cancellation of registration of registered Design No. 260356 dated 17th February 2014 under Class 08-08 titled as "Curtain Bracket" in the name of Tattva Art Hardware, A unit of Designwise India Pvt. Ltd., Plot #14, Sector 37, Pace City 1, Gurgaon – 122001, an Indian Company."

COPYRIGHT PUBLICATION

| SL NO | REGISTERED DESIGN NUMBERS | RENEWED ON |
|-------|----------------------------------|-------------------|
| 1. | 202565 | 07.04.2016 |
| 2. | 204496 | 06.04.2016 |
| 3. | 204957 | 06.04.2016 |
| 4. | 204958 | 06.04.2016 |
| 5. | 251731 | 06.04.2016 |
| 6. | 252838 | 06.04.2016 |
| 7. | 256640 | 06.04.2016 |
| 8. | 256850 | 06.04.2016 |

REGISTRATION OF DESIGNS

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

| DESIGN NUMBER | | 274062 | | |
|--|----------------------------------|---|---------------|---------------|
| CLASS | | 03-01 | 8 | |
| 1)SABYASACHI COU' 86/C, JATIN DAS RO BENGAL INDIA. | | XATA - 700 029 WEST | | |
| DATE OF REGISTRATION | | 30/07/2015 | | |
| TITLE | | BAG | 1.4.1.200 | |
| PRIORITY NA | | - | | |
| DESIGN NUMBER | | 27464 | 5 | |
| CLASS | | 11-01 | - | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA | , A.B. NAI | IR ROAD, JUHU, MUMBA | [- 400049. | with the |
| DATE OF REGISTRAT | ION | 19/08/20 | 015 | |
| TITLE | | EARRI | NG | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 265287 | | |
| CLASS | | 18-04 | | |
| GRAPHIC INDUSTRIES | 5, NATIO I RK, G.I.D.(| S PATEL TRADING AS L J NALITY INDIAN, ADDRE C. NARODA, OPP. TOYOT , GUJARAT, INDIA | CSS AT | |
| DATE OF REGISTRATION TITLE | | 01/09/2014 | | in the second |
| | | AN AUTOMATIC CONT CUTTING APPARATUS V MECHANIS | VITH STOPPING | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | | 274083 | |
|---|--------------------|-------------------|---|
| CLASS | | 12-08 | The |
| 1)FERRARI S.P.A., AN I OF VIA EMILIA EST 1 | | | |
| DATE OF REGISTRATIC | N (| 31/07/2015 | |
| TITLE | | CAR | |
| PRIORITY PRIORITY NUMBER 002625749 | DATE 03/02/2015 | COUNTRY OHIM | |
| DESIGN NUMBER | | 274739 | |
| CLASS | | 11-01 | |
| 1)FARAH KHAN ALI | | | |
| 101, SANJAY PLAZA, A | A.B. NAIR ROAD, J | UHU, MUMBAI- 4000 | 49. |
| DATE OF REGISTRATIC | ON | 20/08/2015 | |
| TITLE | | EARRING | 50 miles 100 |
| PRIORITY NA | | | Claddes |
| DESIGN NUMBER | 278472 | | |
| CLASS | 21-01 | | |
| 1) RITU SEHGAL E-74, AIIMS CAMPUS, DELHI-110029, INDIA | ANSARI NAGAR E | AST, NEW | |
| DATE OF REGISTRATION | 17/12/2015 | 5 | and a start and a start and a start and a start |
| TITLE | BOARD GAN | ME | and a start |
| PRIORITY NA | | | E BIDDURA |

| DESIGN NUMBER | | 272101 | |
|--|-------------------------------|--|------------|
| CLASS | | 13-03 | |
| 1)BOPARAI ELECTRICAL & MALERKOTLA ROAD, PAY PROPRIETORSHIP FIRM WHOS BEING INDIAN NATIONALS O | AL-141416 (PU SE PROPRIETO | NJAB) INDIA AN INDIAN R IS:- JAGDEV SINGH BOPARAI | R B B |
| DATE OF REGISTRATION | | 13/05/2015 | 80 |
| TITLE | CONT | ROL UNIT FOR ELECTRIC PANELS | 14 Mar |
| PRIORITY NA | | | he at 1 |
| DESIGN NUMBER | | 273611 | |
| CLASS | | 31-00 | |
| INDIAN COMPANIES ACT, 19 | 56 HAVING IT | MPANY INCORPORATED UNDER S HEAD OFFICE AT LLYA ROAD, BANGALORE-560001, | |
| DATE OF REGISTRATION | | 16/07/2015 | |
| TITLE | | CHINES AND APPLIANCES FOR PREPARING FOOD OR DRINK | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 278839 | |
| CLASS | | 14-02 | |
| THE LAWS OF REPUBLIC OF | KOREA HAV | XISTING AND ORGANIZED UNDER ING ITS REGISTERD OFFICE AT J, SEOUL, 07336, REPUBLIC OF | |
| DATE OF REGISTRATION | | | |
| TITLE | | | |
| PRIORITY | I | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 30-2015-0034241 | 07/07/2015 | REPUBLIC OF KOREA | |
| | | | \searrow |

| DESIGN NUMBER | | 274065 | | |
|--|------------------------|-------------------|-------|-------|
| CLASS | | 02-02 | | A |
| 1)SABYASACHI COUTURE 86/C, JATIN DAS ROAD, KOI | .KATA - 700 029 WEST B | ENGAL INDIA. | | |
| DATE OF REGISTRATION | 31 | 0/07/2015 | | |
| TITLE | G | ARMENT | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 273204 | | |
| CLASS | | 12-16 | | |
| 1)SUZUKI MOTOR CORPORA 300 TAKATSUKA-CHO, MIN JAPAN | | | REF., | |
| DATE OF REGISTRATION | 31 | 0/06/2015 | | |
| TITLE | FRONT FENDE | R FOR AUTOMOBI | LES | |
| PRIORITY | | | | Sol 1 |
| PRIORITY NUMBER | DATE | COUNTRY | | |
| 2015-002667 | 11/02/2015 | JAPAN | | |
| DESIGN NUMBER | 272178 | 3 | | |
| CLASS | 09-03 | | | 6 AV |
| 1)DART INDUSTRIES INC. A THE LAWS OF THE U.S.A. HAV AT 14901 S. ORANGE BLOSS U.S.A. | VING ITS REGISTERED | OFFICE | | AND) |
| DATE OF REGISTRATION | 18/05/20 | 15 | | AB |
| TITLE | CONTAIN | JER | | |
| PRIORITY PRIORITY NUMBER 29/510,693 | | COUNTRY J.S.A. | | |
| | | | | |

| DESIGN NUMBE | R | | | 2688 | 896 | | |
|---|---------|-------------|----------|----------------------|---------------|--------|--------|
| CLASS | | | | 24- | 01 | | |
| 1) M/S MY SKIN 123 TOWN SQU NATIONALITY OI | UARE PL | | | SEY CITY, NJ | -0731061, USA | Δ; | |
| DATE OF REGIST | FRATIO | N | | 15/01/ | /2015 | | |
| TITLE | | | PORT | ABLE SKIN I | MAGING DEV | /ICE | |
| PRIORITY | | | | | | | |
| PRIORITY NUMB | ER | | DATE | | COUNTRY | | FID |
| 29/496,682 | | | 16/07/2 | 014 | U.S.A. | | |
| DESIGN NUMBE | R | | 27817 | 3 | | | |
| CLASS | | | 15-05 | | | | |
| 1)SAMSUNG EL COMPANY, OF 129, SAMSU GYEONGGI-DO, 4 | JNG-RO | , YEONGTON | G-GU, SI | | | | |
| DATE OF REGISTRATION | | | 08/12/20 |)15 | | < | \sim |
| TITLE | | | | TAINER FOR ACHINE | 2 | \sim | con f |
| PRIORITY | | | | | | | |
| PRIORITY NUMB | ER | DATE | COUN | ITRY | | | |
| 30-2015-0033374 | | 02/07/2015 | KORE | EA(SOUTH) | | | 5 |
| DESIGN NUMBER | | 278589 | | | | | |
| CLASS | | 13-03 | | | | | |
| 1) HAVELLS INI HAVELLS IND MARG, CIVIL LIN | IA LTD. | 1, RAJ NARA | IN | | | | |
| DATE OF REGISTRATION | | 22/12/2015 | | | (| | |
| TITLE | SWIT | CH WITH SO | CKET | | | 2 | |
| PRIORITY NA | | | | | Q | ۵ | |

| DESIGN NUMBER | | 272640 | | | |
|---|----------|---------------|---------------|-----|-----------|
| CLASS | | 12-05 | | | |
| 1)ACTION CONSTRUCTIO OF DHUDHOLLA LINK RO HARYANA-121102, INDIA, AI | DAD, VII | LLAGE DHUDHC | DLLA, PALWAL, | | |
| DATE OF REGISTRATION | | 09/06/201 | 5 | | |
| TITLE | TEL | ESCOPING MAST | Γ OF CRANE | | ANG LIP U |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | | 264970 | | |
| CLASS | | | 23-03 | | \sim |
| 1) INTEX HOLDINGS PTY I 3/49 MAIN NORTH RD, MI | | | | | |
| DATE OF REGISTRATION | | 22/08/2014 | | | |
| TITLE | | SOLAR EN | NERGY COLLEC | TOR | K & |
| PRIORITY | | 1 | | | |
| PRIORITY NUMBER | | DATE | COUNTRY | | |
| 10817/2014 | | 24/02/2014 | AUSTRALIA | A | Ŷ |
| DESIGN NUMBER | | | 275065 | | |
| CLASS | | | 11-01 | | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. | NAIR R | OAD, JUHU, MU | MBAI- 400049. | | 4 |
| DATE OF REGISTRATION | | 2 | 27/08/2015 | | |
| TITLE | |] | EARRING | | |
| PRIORITY NA | | | | | |

| DESIGN NUMBER | 2 | 78955 | |
|--|---|--|----|
| CLASS | | 12-11 | |
| 1)BAJAJ AUTO LIMITED, AN IN THE COMPANIES ACT OF 1956, H AT 2/A, 2ND FLOOR, BHARANI BUS RAMKRISHNA ROAD, SALIGRAMA 3RD FLOOR, KHIVRAJ BUILDING, I STATE OF TAMIL NADU), AND REG STATE OF MAHARASHTRA, INDIA | AVING ITS PRINCIPA SINESS CENTRE, DR. B AM, CHENNAI 600093, (NO. 616, ANNA SALAI, GISTERED OFFICE AT | AL PLACE OF BUSINES BHANUMATHI (FORMERLY AT 2ND & CHENNAI - 600006, | |
| DATE OF REGISTRATION | 31/ | 12/2015 | |
| TITLE | | VER CENTRAL FOR ORCYCLE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | 2 | 74953 | |
| CLASS | | 11-01 | 34 |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. NAIR | ROAD, JUHU, MUMBA | AI- 400049. | 1 |
| DATE OF REGISTRATION | 26/ | 08/2015 | |
| TITLE | EA | RRING | |
| PRIORITY NA | | | |
| DESIGN NUMBER | 27 | 78783 | |
| CLASS | 2 | 1-01 | |
| 1)AUTOMOBILI LAMBORGHIN VIA MODENA 12, 40019 SANT' A NATIONALITY: ITALY | | | |
| DATE OF REGISTRATION | ATE OF REGISTRATION 28/12/2015 | | |
| TITLE | MOD | | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 002742981-0001 | 27/07/2015 | OHIM | |

| DESIGN NUMBER | | 278174 | |
|---|----------------|----------------------------------|---------------------------------------|
| CLASS | | 15-05 | |
| 1)SAMSUNG ELECTRONIC OF 129, SAMSUNG-RO, YE DO, 443-742 REPUBLIC OF KC | EONGTONG-GU, S | | |
| DATE OF REGISTRATION | | 08/12/2015 | |
| TITLE | | NT CONTAINER FOR HING MACHINE | |
| PRIORITY | | 1 | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 30-2015-0033272 | 01/07/2015 | KOREA(SOUTH) | |
| DESIGN NUMBER | | 272641 | |
| CLASS | | 12-05 | |
| 1)ACTION CONSTRUCTIO OF DHUDHOLLA LINK RC 121102, INDIA, AN INDIAN CO DATE OF REGISTRATION | DAD, VILLAGE D | | L, HARYANA- |
| TITLE | | OUTRIGGER OF CR | ANE |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 73707 | _ |
| CLASS | | 14-02 | D B |
| 1)MICROSOFT CORPORA STATE OF WASHINGTON) (ONE MICROSOFT WAY, R | OF | | o col |
| AMERICAN COMPANY | | | W W |
| AMERICAN COMPANY DATE OF REGISTRATION | 20/ | 07/2015 | C C C C C C C C C C C C C C C C C C C |
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| DESIGN NUMBER | | 27 | 78764 | | |
|--|--------|--------------|---------------|---------|-----|
| CLASS | | 2 | 1-01 | | |
| 1)AUTOMOBILI LAMBOR OF VIA MODENA 12, 40019 S | | | | | |
| DATE OF REGISTRATION | | | 12/2015 | | |
| TITLE | | | DEL CAR | | |
| | | MOD | | _ | |
| PRIORITY | | | | C | |
| PRIORITY NUMBER | D | ATE | COUNTRY | X | - 0 |
| 002742973-0001 | 2 | 7/07/2015 | OHIM | | |
| | | | | | |
| DESIGN NUMBER | | | 274068 | | |
| CLASS | | | 02-02 | | |
| 1)SABYASACHI COUTURI 86/C, JATIN DAS ROAD, K | | TA - 700 029 | WEST BENGAL I | NDIA. | |
| DATE OF REGISTRATION | | | 30/07/2015 | | ** |
| TITLE | | I | ADIES GARMEN | Γ (SET) | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | | 268558 | | |
| CLASS | | | 06-01 | | - |
| 1)KIERAYA FURNISHING COMPANY HAVING ADDRI 458, 1ST FLOOR, 8TH MAI BANGALORE 560034, INDIA | ESS AT | 1 | | N | |
| DATE OF REGISTRATION | | | 31/12/2014 | | |
| TITLE | | | SOFA | | |
| PRIORITY NA | | | | | |

| DESIGN NUMBER | | 274734 | |
|---|------------------|-----------------|-----|
| CLASS | | 11-01 | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. NAIR | ROAD, JUHU, MUME | AI- 400049. | |
| DATE OF REGISTRATION | 20 |)/08/2015 | 200 |
| TITLE | E | ARRING | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 270186 | |
| CLASS | | 09-07 | |
| 1) PRAMIT SANGHAVI, AN INDI WZ-8/1, INDUSTRIAL AREA, KI | | | |
| DATE OF REGISTRATION | 09 | 0/03/2015 | |
| TITLE | CHAMBER | FOR CONTAINER | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 274078 | |
| CLASS | | 10-05 | |
| 1) JOSEPH VÖGELE AG, OF JOSEPH-VÖGELE-STR.1, 670 NATIONALITY: GERMAN | 67 LUDWIGSHAFEN/ | RHEIN, GERMANY; | |
| DATE OF REGISTRATION | 3 | /07/2015 | |
| TITLE | S | ENSOR | |
| | | | |

| DESIGN NUMBER | | 274737 | | |
|---|-------------------------------|---|---------------|---|
| CLASS | | 11-01 | | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. | NAIR | ROAD, JUHU, MUMBAI- 400049. | | |
| DATE OF REGISTRATION | | 20/08/2015 | | |
| TITLE | | EARRING | the stars and | > |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 278450 | | |
| CLASS | | 24-04 | | |
| SRINATH & 4. DR. J. SURESH MECHANICAL ENGINEERIN K L UNIVERSITY, VADDE INDIA, ALL INDIAN NATION DATE OF REGISTRATION TITLE | NG, SWAR ALS | AM, GUNTUR DT., A.P522502, 16/12/2015 EST COMPRESSION DEVICE FOR FIRST AID | | |
| PRIORITY NA | | | La la | |
| DESIGN NUMBER | | 257792 | | |
| CLASS | | 12-16 | | 1 |
| MAHADEVBHAI T. AMBANI TIRUPATI AGRO INDUSTRI PRINCIPAL PLACE OF BUSI | ALL ES AN NESS PARK, | MORBI-RAJKOT HIGHWAY, VIRPA | FVING ITS | 1 |
| DATE OF REGISTRATION | | 28/10/2013 | | |
| TITLE | | TRACTOR TRAILER SIDE PA | ANEL | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | 275064 | |
|--|------------------------------------|------|
| CLASS | 11-01 | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. NAIR | ROAD, JUHU, MUMBAI- 400049. | |
| DATE OF REGISTRATION | 27/08/2015 | |
| TITLE | EARRING | |
| PRIORITY NA | | |
| DESIGN NUMBER | 273767 | |
| CLASS | 06-03 | |
| 1)SHRI ANIL BUDHWANI SATIDHAM MANDIR, RALLIES | PLOT, AMRAVATI, MAHARASHTRA, INDIA | |
| DATE OF REGISTRATION | 20/07/2015 | |
| TITLE | DESK | |
| PRIORITY NA | | K |
| DESIGN NUMBER | 274735 | |
| CLASS | 11-01 | 1000 |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. NAIR | ROAD, JUHU, MUMBAI- 400049. | 3 |
| DATE OF REGISTRATION | 20/08/2015 | 3 3 |
| TITLE | EARRING | 3/1 |
| PRIORITY NA | | |

| DESIGN NUMBER | 278436 | | | | |
|---|---|---------------------------------------|----------|---|---|
| CLASS | 05-05 | | | | |
| UNDER THE PROVISION O REGISTERED OFFICE AT | IS & PRINTS PVT. LTD. A COMPAN F COMPANIES ACT, 1956 HAVING I IDC, PANDESARA, SURAT-394221 GU | TS | | | |
| DATE OF REGISTRATION | 16/12/2015 | | | | |
| TITLE | TEXTILE FABI | RIC | | | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | 257790 | | • | | |
| CLASS | 12-16 | | | | |
| HAVING ITS PRINCIPAL PI ADDRESS:- NEAR REWA (MORBI)-363641, DIST.: RAJH DATE OF REGISTRATION TITLE PRIORITY NA | PARK, MORBI-RAJKOT HIGHWAY, V | | | | 8 |
| DESIGN NUMBER | 278744 | | | | |
| CLASS | 05-05 | 10 | ALC: NO | | |
| UNDER THE LAWS OF ENG PRINCIPAL PLACE OF BUS | OUSE, 6 CHERRY ORCHARD ROAD, | | | A STATEMENT | |
| DATE OF REGISTRATION | 17/12/2015 | 11 | | | |
| TITLE | TEXTILE FABRIC | · · · · · · · · · · · · · · · · · · · | | | 1 |
| PRIORITY NA | | | - Partie | and the second se | |

| DESIGN NUMBER | | 278836 | | |
|--|---------------|---------------------------------------|-----------|---|
| CLASS | | | | |
| 1)LG ELECTRONICS INC. A THE LAWS OF REPUBLIC O 128, YEOUI-DAERO, YEON KOREA | F KOREA HAVI | ING ITS REGISTERD | OFFICE AT | |
| DATE OF REGISTRATION | | 29/12/2015 | | |
| TITLE | | TABLET COMPUT | ER | 0 |
| PRIORITY | · | | | |
| PRIORITY NUMBER | DATE | COUNTRY | | |
| 30-2015-0034239 | 07/07/2015 | REPUBLIC OF KOR | REA | |
| DESIGN NUMBER | | 278494 | | |
| CLASS | | 09-01 | | |
| 1)PEARL POLYMERS LIMI A-97/2, OKHLA INDUSTRI COMPANY INCORPORATED I ADDRESS | AL AREA, PHAS | MPANIES ACT, 1956, C | | |
| DATE OF REGISTRATION | | 18/12/2015 | | |
| TITLE | | BOTTLE | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 270624 | | |
| CLASS | | 23-01 | | |
| 1)FR. JACOB SÖHNE GMBI NIEDERNFELDWEG 14, 32 | | STFALICA, GERMANY | | |
| DATE OF REGISTRATION | | 26/03/2015 | | |
| TITLE | PACKAGING | PACKAGING RING FOR TUBES AND PIPES | | |
| PRIORITY | | I | | |
| PRIORITY NUMBER | DATE | COUNTRY | | |
| 002545996-0006 | 26/09/2014 | OHIM | | |
| | | | | |

| DESIGN NUMBER | | 278774 | |
|--|--|---|--|
| CLASS | | 12-11 | No. of |
| UNDER THE COMPANIES A PLACE OF BUSINESS AT 2/A, 2ND FLOOR, BHARA RAMKRISHNA ROAD, SALIC 2ND & 3RD FLOOR, KHIVRA CHENNAI - 600006, STATE O AT AKURDI, PUNE-411035, S DATE OF REGISTRATION TITLE | .CT OF 1956, F NI BUSINESS (RAMAM, CHE J BUILDING, N F TAMIL NAD | CENTRE, DR. BHANUMATHI ENNAI 600093, (FORMERLY AT IO. 616, ANNA SALAI, U), AND REGISTERED OFFICE | |
| PRIORITY NA | _ | 2770.40 | |
| DESIGN NUMBER | | 275069 | |
| CLASS | | 11-01 | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B | NAIR ROAD, | JUHU, MUMBAI- 400049. | and a state of the |
| DATE OF REGISTRATION | | 27/08/2015 | |
| TITLE | | PENDANT | TAKES LINGS |
| PRIORITY NA | | | The second secon |
| DESIGN NUMBER | | 278063 | |
| CLASS | | 14-01 | |
| UNDER THE LAWS OF REP OFFICE AT | UBLIC OF KO | EXISTING AND ORGANIZED REA HAVING ITS REGISTER GU, SEOUL, 07336, REPUBLIC | |
| DATE OF REGISTRATION | | 03/12/2015 | |
| TITLE | ITLE TV RECEIVER | | |
| PRIORITY PRIORITY NUMBER | DATE | COUNTRY | |
| 30-2015-0028709 | 08/06/2015 | REPUBLIC OF KOREA | |
| | | | |

| DESIGN NUMBER | 278544 |
|---|--|
| CLASS | 12-11 |
| INCORPORATED UNDER THE PRINCIPAL PLACE OF BUSIN | NDIA LIMITED, AN INDIAN COMPANY COMPANIES ACT OF 1956, HAVING ITS ESS AT BOSE ROAD, CHENNAI - 600001, STATE |
| DATE OF REGISTRATION | 21/12/2015 |
| TITLE | REAR MUDGUARD OF BICYCLE |
| PRIORITY NA | |
| DESIGN NUMBER | 278957 |
| CLASS | 12-11 |
| RAMKRISHNA ROAD, SALIGRA 2ND & 3RD FLOOR, KHIVRAJ B 600006, STATE OF TAMIL NADU PUNE-411035, STATE OF MAHA | , |
| DATE OF REGISTRATION | 31/12/2015 |
| TITLE | FUEL TANK CAP COVER FOR MOTORCYCLE |
| PRIORITY NA | |
| DESIGN NUMBER | 278788 |
| CLASS | 23-04 |
| | NEAR RAJVANSI HOTEL, GURGAON-122001, NATIONAL OF THE ABOVE ADDRESS |
| DATE OF REGISTRATION | 28/12/2015 |
| TITLE | COOLER |
| PRIORITY NA | |

| DESIGN NUMBER | | 274064 | |
|---|--------------------|------------------|------|
| CLASS | | 03-01 | n n |
| 1)SABYASACHI COUTURE 86/C, JATIN DAS ROAD, KO | LKATA - 700 029 WE | ST BENGAL INDIA. | |
| DATE OF REGISTRATION | | 30/07/2015 | |
| TITLE | | BAG | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 274647 | |
| CLASS | | 11-01 | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. N | AIR ROAD, JUHU, M | UMBAI- 400049. | 30 m |
| DATE OF REGISTRATION | | 19/08/2015 | |
| TITLE | | EARRING | |
| PRIORITY NA | | | |
| DESIGN NUMBER | 27 | 73203 | |
| CLASS | | 2-16 | |
| 1)SUZUKI MOTOR CORPOR 300 TAKATSUKA-CHO, MIN PREF., JAPAN | | | |
| DATE OF REGISTRATION | 30/06/2015 | | |
| TITLE | BONNET FOR | R AUTOMOBILES | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 2015-002668 | 11/02/2015 | JAPAN | |

| DESIGN NUMBER | 278473 | |
|--|--|----------------|
| CLASS | 26-04 | |
| 1)MR. ABHAY UMAKANT KAMA 4142/A/2, BASWAN GALLI, HOSU | T INDIAN NATIONAL RESIDING AT JR-BELGAUM-590003 | |
| DATE OF REGISTRATION | 18/12/2015 | |
| TITLE | OIL LAMP | |
| PRIORITY NA | | |
| DESIGN NUMBER | 266553 | |
| CLASS | 08-05 | |
| 1)RAJ KUMAR KHAITAN (AN IN KHAITAN INDUSTRIES, 1598, S.P. MUKHERJI MARG, DEI | DIAN NATIONAL) TRADING AS M/S LHI-110006, (INDIA) | |
| DATE OF REGISTRATION | 09/10/2014 | parts. |
| TITLE | PAINT SPRAY GUN | EEP |
| PRIORITY NA | | N. |
| DESIGN NUMBER | 275062 | |
| CLASS | 11-01 | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. NAIR | ROAD, JUHU, MUMBAI- 400049. | A |
| DATE OF REGISTRATION | 27/08/2015 | |
| TITLE | EARRING | and the second |
| PRIORITY NA | | |

| 273729 08-06 HIBABAD-201010, G EGISTERED UNDER 20/07/2015 DOOR HANDLE S 270626 23-01 ESTFALICA, GERMA 26/03/2015 GING RING FOR TUE E COU /2014 OHIN | ER THE SET ANY BES AND PIPES UNTRY | |
|---|------------------------------------|--|
| HIBABAD-201010, G EGISTERED UNDER 20/07/2015 DOOR HANDLE S 270626 23-01 ESTFALICA, GERMA 26/03/2015 GING RING FOR TUE | ER THE SET ANY BES AND PIPES UNTRY | |
| EGISTERED UNDER 20/07/2015 DOOR HANDLE S 270626 23-01 ESTFALICA, GERMA 26/03/2015 GING RING FOR TUE E COU | ER THE SET ANY BES AND PIPES UNTRY | |
| DOOR HANDLE S | ANY BES AND PIPES UNTRY | |
| 270626 23-01 ESTFALICA, GERMA 26/03/2015 GING RING FOR TUE | ANY BES AND PIPES UNTRY | |
| 23-01 ESTFALICA, GERMA 26/03/2015 GING RING FOR TUE | BES AND PIPES | |
| 23-01 ESTFALICA, GERMA 26/03/2015 GING RING FOR TUE | BES AND PIPES | |
| ESTFALICA, GERMA 26/03/2015 GING RING FOR TUE E COU | BES AND PIPES | |
| 26/03/2015 GING RING FOR TUE E COU | BES AND PIPES | |
| GING RING FOR TUE | UNTRY | |
| E COU | UNTRY | |
| | | |
| | | |
| 278779 | | |
| 09-01 | | |
| L AND COMPANY O AN 3295, NEW ZEAL | | |
| 28/12/2015 | 15 | |
| A DRINKING V | √ESSEL | |
| COUNTR 15 NEW ZEA | | |
| | A DRINKING V | |

| DESIGN NUMBER | | 2782 | 281 | | |
|---|--|--|---------------|-------------|---------------------------------------|
| CLASS | 12-05 | | | | - |
| 1)KITO CORPORATIO | | APANESE CORPORAT CHO, NAKAKOMA-GUN | ION OF | NASHI, 409- | THE REAL OF |
| DATE OF REGISTRATI | ON | 11/12/ | /2015 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| TITLE | | HOI | IST | | |
| PRIORITY | | 1 | | | |
| PRIORITY NUMBER | | DATE | COUN | TRY | 8 |
| 2015-019974 | | 09/09/2015 | JAPAN | 1 | |
| DESIGN NUMBER | | 27854 | 46 | | |
| CLASS | | 12-1 | 1 | | |
| OF TAMIL NADU, INDIA DATE OF REGISTRATI TITLE | | | 2015 MUDGU | | |
| PRIORITY NA | | 270050 | | | |
| DESIGN NUMBER | | 278959 | | | |
| INCORPORATED UNDE HAVING ITS PRINCIPA 2/A, 2ND FLOOR, BH BHANUMATHI RAMKRI CHENNAI 600093, (FORM KHIVRAJ BUILDING, NO 600006, STATE OF TAMI | 1)BAJAJ AUTO LIMITED, AN INDIAN COMPANY, CORPORATED UNDER THE COMPANIES ACT OF 1956, AVING ITS PRINCIPAL PLACE OF BUSINESS AT 2/A, 2ND FLOOR, BHARANI BUSINESS CENTRE, DR. HANUMATHI RAMKRISHNA ROAD, SALIGRAMAM, HENNAI 600093, (FORMERLY AT 2ND & 3RD FLOOR, HIVRAJ BUILDING, NO. 616, ANNA SALAI, CHENNAI - 00006, STATE OF TAMIL NADU), AND REGISTERED FFICE AT AKURDI, PUNE-411035, STATE OF AHARASHTRA, INDIA | | | | |
| DATE OF REGISTRATION | | 31/12/2015 | | | |
| TITLE | SPEE | SPEEDOMETER ASSEMBLY FOR MOTORCYCLE | | | |
| PRIORITY NA | | | | | |

| DESIGN NUMBER | | 278698 | | |
|---|--------------------------------------|--|---|---------|
| CLASS | | 05-05 | | |
| UNDER THE PROVISION C REGISTERED OFFICE AT | F COM | RINTS PVT. LTD. A COMPANY I PANIES ACT, 1956 HAVING ITS NDESARA, SURAT-394221 GUJA | | |
| DATE OF REGISTRATION | | 23/12/2015 | | |
| TITLE | | TEXTILE FABRIC | 1 | 810 815 |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 278790 | | • |
| CLASS | | 06-03 | | |
| · · · · · · · · · · · · · · · · · · · | UILDINO INDIA. (| G, GURUDWARA ROAD, KAROL (AN INDIAN COMPANY DULY | | |
| DATE OF REGISTRATION | | 28/12/2015 | | |
| TITLE | | DESK | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 274325 | | |
| CLASS | | 23-01 | | |
| PROPRIETOR OF SHREE U PROPRIETORSHIP FIRM F BUSINESS AT 49-50, KRISHNA INDUST NEAR RABARI COLONY, AN GUJARAT-INDIA | J MIYA I IAVING RIAL ES | S ITS PRINCIPAL PLACE OF STATE, OPP. AMRUTA SCHOOL, | | |
| DATE OF REGISTRATION | | 10/08/2015 | | |
| TITLE | WAT | TER DISTRIBUTION UNIT FOR IRRIGATION SYSTEMS | | |
| PRIORITY NA | | | - | |

| DESIGN NUMBER | | 275067 | | |
|--|-------------------------------|---|-------------|----|
| CLASS | 11-01 | | | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.E | 3. NAIR | ROAD, JUHU, MUMBAI- 400049. | | |
| DATE OF REGISTRATION | | 27/08/2015 | | 56 |
| TITLE | | EARRING | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 278543 | | |
| CLASS | | 12-11 | | |
| 1956, HAVING ITS PRINCIE | ED UND PAL PLA S. C. BO | ER THE COMPANIES ACT OF ACE OF BUSINESS AT SE ROAD, CHENNAI - 600001, | | |
| REGISTRATION | 21/12/2015 | | | |
| TITLE | REFLI | ECTOR FOR REAR MUDGUARD OF BICYCLE | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER 271821 | | | | |
| CLASS | 26-06 | | | |
| 1)SHAIKH VASI AHMED BUNGALOW NO. 25, CHA HIGHLANDS, UNDRI ROAD | ANDAN | GARDENS, BEHIND NIBM, NEXT | T TO CLOVER | |
| DATE OF REGISTRATION | | 30/04/2015 | | |
| TITLE | A TURN INDICATOR FOR A | | | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | 272443 | |
|------------------------------|---|--|
| CLASS | 23-04 | |
| | RTS SHNANAGAR INDUSTRIAL AREA, ORE- 560029, KARNATAKA, INDIA | |
| DATE OF REGISTRATION | 01/06/2015 | |
| TITLE | FAN | |
| PRIORITY NA | | |
| DESIGN NUMBER | 278784 | |
| CLASS | 26-05 | |
| REGISTERED PARTNERSHI | R. ASHISH GOYAL PARTNERS OF KGN P FIRM AND HAVING ADDRESS AT IUMERA PARK, PATHANWADI, MALAD | |
| DATE OF REGISTRATION | 28/12/2015 | |
| TITLE | LIGHT HOLDER | |
| PRIORITY NA | | |
| DESIGN NUMBER | 274115 | |
| CLASS | 08-07 | |
| | AGAR SOCIETY, B/H GREEN POWER ST: SURENDRANAGAR, GUJARAT, | |
| DATE OF REGISTRATION | 03/08/2015 | |
| TITLE | SEAL | |
| PRIORITY NA | | |

| DESIGN NUMBER | | 278172 | |
|---|---------------------------------|--|---------------------------------------|
| CLASS | | 15-05 | |
| 1)SAMSUNG ELECTRONI OF 129, SAMSUNG-RO, YI 443-742 REPUBLIC OF KORE. | EONGTONG-GU, | | |
| DATE OF REGISTRATION | | 08/12/2015 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| TITLE | WA | SHING MACHINE | |
| PRIORITY PRIORITY NUMBER 30-2015-0033432 | DATE 02/07/2015 | COUNTRY KOREA(SOUTH) | |
| DESIGN NUMBER | ~ | 278581 | |
| CLASS | | 23-04 | - |
| 1)BAJAJ ELECTRICALS L IN INDIA, HAVING ITS REG 45/47, VEER NARIMAN RO MAHARASHTRA, INDIA, OF | ISTERED OFFIC DAD, MUMBAI 40 | C E AT, 00001, STATE OF | |
| DATE OF REGISTRATION | 22, | /12/2015 | |
| TITLE | | FAN | and the |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 272625 | |
| CLASS | | 15-05 | |
| 1)KONINKLIJKE PHILIPS EXISTING UNDER THE LAV NETHERLANDS, | VS OF THE KIN(| GDOM OF THE | |
| RESIDING AT EINDHOVE HIGH TECH CAMPUS 5, 5656 | | | |
| | | | |
| HIGH TECH CAMPUS 5, 5656 | AE EINDHOVEN | , THE NETHERLAND | |
| HIGH TECH CAMPUS 5, 5656 DATE OF REGISTRATION | AE EINDHOVEN | , THE NETHERLAND: 09/06/2015 CCESSORY FOR VACU | |
| HIGH TECH CAMPUS 5, 5656 DATE OF REGISTRATION TITLE | AE EINDHOVEN | , THE NETHERLAND: 09/06/2015 CCESSORY FOR VACU | |

| DESIGN NUMBER | | 278965 | |
|---|---|--------------------------------|-----|
| CLASS | | - | |
| THE COMPANIES ACT OF 195 AT 2/A, 2ND FLOOR, BHARANI RAMKRISHNA ROAD, SALIGRA 3RD FLOOR, KHIVRAJ BUILDIN | 6, HAVING IT BUSINESS CE AMAM, CHENI IG, NO. 616, Al REGISTERED | NAI 600093, (FORMERLY AT 2ND & | |
| DATE OF REGISTRATION | | 31/12/2015 | |
| TITLE | FRO | NT FENDER FOR MOTORCYCLE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 274067 | |
| CLASS | | 02-02 | 195 |
| 1)SABYASACHI COUTURE 86/C, JATIN DAS ROAD, KOI | LKATA - 700 02 | 29, WEST BENGAL INDIA. | |
| DATE OF REGISTRATION | | 30/07/2015 | |
| TITLE | | GARMENT | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 268490 | _ |
| CLASS | | | |
| 1) IREVO, INC., IREVO BUILDING, 205-29, G. 153-803, REPUBLIC OF KOREA | ASANDIGITAI | L 1-RO, GEUMCHEON-GU, SEOUL | |
| DATE OF REGISTRATION | | 30/12/2014 | |
| TITLE DIGIT. | | DIGITAL DOOR LOCK | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| KR30-2014-0051696 | 29/10/2014 | REPUBLIC OF KOREA | |

| DESIGN NUMBER | | 2721 | 82 | |
|---|------------|--------------|----------------|--------|
| CLASS | | 23-0 |)1 | |
| 1)WATERTEC (MALAYSIA) SDN MALAYSIA, LOT 3, JALAN HALBA SATU 16/ SELANGOR DARUL EHSAN, MALA | 16A, SECTI | | | |
| DATE OF REGISTRATION | | 18/05/2 | 2015 | |
| TITLE | | BASIN | ТАР | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 2788 | 34 | |
| CLASS | | 14-0 |)2 | \sim |
| 1)LG ELECTRONICS INC. A COM THE LAWS OF REPUBLIC OF KOM 128, YEOUI-DAERO, YEONGDEN KOREA | REA HAVI | NG ITS REGIS | TERD OFFICE AT | |
| DATE OF REGISTRATION | | 29/12/2 | 2015 | |
| TITLE | | TABLET CC | MPUTER | |
| PRIORITY | | | | |
| PRIORITY NUMBER DA | TE | COUNTRY | | |
| 30-2015-0034238 07/ | 07/2015 | REPUBLIC (| OF KOREA | |
| DESIGN NUMBER | | 2741 | 08 | |
| CLASS | | 04-0 |)2 | |
| 1) THE GILLETTE COMPANY, A OF ONE GILLETTE PARK, BOST | | | | |
| DATE OF REGISTRATION | 03/08/2015 | | | |
| TITLE | TOOTHBRUSH | | | |
| PRIORITY PRIORITY NUMBER | DATE | 2 | COUNTRY | 0 |
| 871440401 | 06/02/ | 2015 | WIPO | |
| | | | | 0 |

| DESIGN NUMBER | | 274411 | | |
|--|-------------|--|-------|-------------|
| CLASS | | 08-06 | | |
| 1)GODREJ & BOYCE I OF LOCKS DIVISION VIKHROLI, MUMBAI - 40 COMPANY | (PLANT-18), | | | |
| DATE OF REGISTRATION | | 12/08/2015 | | |
| TITLE | | HANDLE | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 278092 | | |
| CLASS | | 14-99 | | \sim |
| 1)SAMSUNG ELECTRO COMPANY, OF 129, SAMSUNG-RO GYEONGGI-DO 16677, RI | D, YEONGTO | NG-GU, SUWON-SI, | | and the set |
| DATE OF REGISTRATION | | 04/12/2015 | | |
| TITLE | END CA | P FOR TONER CARTRIDG | E Des | |
| PRIORITY | - | | | |
| PRIORITY NUMBER | DATE | COUNTRY | | (G) |
| 30-2015-0046953 | 15/09/2015 | REPUBLIC OF KOREA | | \searrow |
| DESIGN NUMBER | | 278291 | | ~ |
| CLASS | | 12-16 | | |
| | CR THE COM | FED, (AN INDIAN COMPA IPANIES ACT, 1956), HAV L, DORAHA-141421 | | |
| DATE OF REGISTRATION | ON | 11/12/2015 | | |
| TITLE | | CHASIS OF CRAN | ΊE | |
| PRIORITY NA | I | | | |

| DESIGN NUMBER | 278577 |
|---|--|
| CLASS | 23-04 |
| 1)BAJAJ ELECTH COMPANY REGIS REGISTERED OFF 45/47, VEER NA | RICALS LIMITED, A FERED IN INDIA, HAVING I' |
| DATE OF REGISTRATION | 22/12/2015 |
| TITLE | FAN |
| PRIORITY NA | 1 |
| DESIGN NUMBER | 270867 |
| CLASS | 15-09 |
| NATIONAL WHOS SWAMI VIVEKA FLOOR, ROOM NO. | NAND ARCADE, A WING, 2N 204, NEAR VISHAL COMPLE LYAN (EAST)-421306 |
| DATE OF REGISTRATION | 01/04/2015 |
| TITLE | CASTING MACHINE |
| PRIORITY NA | 278288 |
| NUMBER | 12-16 |
| LUDHIANA-141010 INDIAN COMPANY | |
| DATE OF REGISTRATION | 11/12/2015 |
| TITLE | HANDLE FOR AUTO RICKSHAW |
| PRIORITY NA | |

| DESIGN NUMBER | | 2785 | 61 | | | | |
|--|---|---|---|---|---|---|--|
| CLASS | | 14-01 | | | ~ | | |
| 1)LG ELECTRONICS IN UNDER THE LAWS OF R OFFICE AT 128, YEOUI-DAERO, YI KOREA | EPUBLIC OF KO | OREA HAVINO | G ITS REGISTERI | | | | |
| DATE OF REGISTRATIO | N | 21/12/2 | 2015 | | | | |
| TITLE | | TV RECH | EIVER | | _ | | |
| PRIORITY PRIORITY NUMBER 30-2015-0032444 | DATE 26/06/2015 | COUNTRY REPUBLIC | OF KOREA | | | | |
| DESIGN NUMBER | | 278791 | | | | 1 | |
| CLASS | | 06-03 | | | | | |
| 1)PLAYGRO TOYS IND 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000 | BUILDING, GUR | | | - | | | |
| | BUILDING, GUR 5, INDIA. (AN IN E COMPANIES A | DIAN COMPAN | NY DULY | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000 REGISTERED UNDER THE DATE OF REGISTRATIO | BUILDING, GUR 5, INDIA. (AN IN E COMPANIES A | DIAN COMPAN CT, 1956) 28/12/2015 | NY DULY | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000 REGISTERED UNDER THE DATE OF REGISTRATIO TITLE PRIORITY NA | BUILDING, GUR 5, INDIA. (AN IN E COMPANIES A | DIAN COMPAN CT, 1956) 28/12/2015 DESK | NY DULY | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000 REGISTERED UNDER THE DATE OF REGISTRATIO | BUILDING, GUR 5, INDIA. (AN IN E COMPANIES A | DIAN COMPAN CT, 1956) 28/12/2015 DESK | NY DULY | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000 REGISTERED UNDER THE DATE OF REGISTRATIO TITLE PRIORITY NA DESIGN NUMBER | BUILDING, GUR 5, INDIA. (AN IN 2 COMPANIES AU N N PS N.V., A COM HE KINGDOM (VEN, WHOSE PC | DIAN COMPAN CT, 1956) 28/12/2015 DESK DESK | NY DULY 274428 07-05 IIZED AND EXIST ERLANDS, | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000, REGISTERED UNDER THE DATE OF REGISTRATIO TITLE PRIORITY NA DESIGN NUMBER CLASS 1)KONINKLIJKE PHILI UNDER THE LAWS OF THE RESIDING AT EINDHO | BUILDING, GUR 5, INDIA. (AN IN 2 COMPANIES A N N PS N.V., A COM HE KINGDOM C VEN, WHOSE PC HOVEN, THE NE | DIAN COMPAN CT, 1956) 28/12/2015 DESK DESK | NY DULY 274428 07-05 IIZED AND EXIST ERLANDS, | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000, REGISTERED UNDER THE DATE OF REGISTRATIO TITLE PRIORITY NA DESIGN NUMBER CLASS 1)KONINKLIJKE PHILI UNDER THE LAWS OF THE RESIDING AT EINDHO CAMPUS 5, 5656 AE EINDI DATE OF REGISTRATIO | BUILDING, GUR 5, INDIA. (AN IN 2 COMPANIES A N N PS N.V., A COM HE KINGDOM C VEN, WHOSE PC HOVEN, THE NE | DIAN COMPAN CT, 1956) 28/12/2015 DESK DESK PANY ORGAN OF THE NETH DST-OFFICE AI THERLANDS 13 | NY DULY 274428 07-05 HIZED AND EXIST ERLANDS, DDRESS IS HIGH T | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000, REGISTERED UNDER THE DATE OF REGISTRATIO TITLE PRIORITY NA DESIGN NUMBER CLASS 1)KONINKLIJKE PHILI UNDER THE LAWS OF TERESIDING AT EINDHO CAMPUS 5, 5656 AE EINDI DATE OF REGISTRATIO TITLE | BUILDING, GUR 5, INDIA. (AN IN 2 COMPANIES A N N PS N.V., A COM HE KINGDOM C VEN, WHOSE PC HOVEN, THE NE | DIAN COMPAN CT, 1956) 28/12/2015 DESK DESK PANY ORGAN OF THE NETH DST-OFFICE AI THERLANDS 13 | NY DULY 274428 07-05 11ZED AND EXIST ERLANDS, DDRESS IS HIGH T /08/2015 | | | | |
| 2057/38, GOLD PLAZA BAGH, NEW DELHI-11000, REGISTERED UNDER THE DATE OF REGISTRATIO TITLE PRIORITY NA DESIGN NUMBER CLASS 1)KONINKLIJKE PHILI UNDER THE LAWS OF THE RESIDING AT EINDHO CAMPUS 5, 5656 AE EINDI | BUILDING, GUR 5, INDIA. (AN IN 2 COMPANIES AU N PS N.V., A COM HE KINGDOM (VEN, WHOSE PC HOVEN, THE NE N | DIAN COMPAN CT, 1956) 28/12/2015 DESK DESK PANY ORGAN OF THE NETH DST-OFFICE AI THERLANDS 13 | NY DULY 274428 07-05 11ZED AND EXIST ERLANDS, DDRESS IS HIGH T /08/2015 | | | | |

| DESIGN NUMBER | | 267322 | |
|---|---|---|-----|
| CLASS | | 08-06 | |
| PRINCIPAL PLACE OF | BUSINESS Y 8-B, OPPO AREA, NEA | OSITE PARIN FURNITURE R DHOKIYA MOTORS, | |
| DATE OF REGISTRATION | | 11/11/2014 | 0 |
| TITLE | | CABINET HANDLE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 278294 | · |
| CLASS | | 12-16 | |
| 1)R. N. GUPTA & COM COMPANY INCORPOR ACT, 1956), HAVING IT UNIT-II, GT ROAD, T | ATED UND S OFFICE A | ER THE COMPANIES | |
| DATE OF REGISTRATION | | 11/12/2015 | |
| TITLE | FIXED HO | OK ATTACHEMENT OF CRANE | |
| PRIORITY NA | | | 00 |
| DESIGN NUMBER | | 27816 | |
| CLASS | | 08-00 | |
| PRINCIPAL PLACE AT | | AN INDIAN NATIONAL H 0 FEET ROAD, RAJKOT, G | |
| DATE OF REGISTRATI | ON | 08/12/2 | 015 |
| TITLE | | HAND | LE |
| PRIORITY NA | | | |

| DESIGN NUMBER | | 278580 | | |
|--|---|--------------------|-------|--------------|
| CLASS | | 23-04 | | |
| 1)BAJAJ ELECTRICALS LI INDIA, HAVING ITS REGIST 45/47, VEER NARIMAN RC MAHARASHTRA, INDIA, OF | T ERED OFFICE AT DAD, MUMBAI 4000 | , | IN | |
| DATE OF REGISTRATION | 22 | 22/12/2015 | | |
| TITLE | | FAN | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 278702 | | |
| CLASS | | 05-05 | | |
| 1)SIDDHI VINAYAK KNOT UNDER THE PROVISION OF REGISTERED OFFICE AT A-26, CENTRAL PARK, GI | COMPANIES ACT | Г, 1956 HAVING IT | S | |
| DATE OF REGISTRATION | | 23/12/2015 | | |
| TITLE | | TEXTILE FABRI | С | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 27 | 78794 | | |
| CLASS | 1 | 2-16 | | \sim |
| 1) DAIWA KASEI INDUSTR 1, KAMIHIRACHI, HOBO-(JAPAN, NATIONALITY: JAPA | CHO, OKAZAKI-SH | I, AICHI 444-0004, | | A CONTRACTOR |
| DATE OF REGISTRATION | 28/1 | 28/12/2015 | | A CEN |
| TITLE | CLIP FOR VEHICLE | | (C) | |
| PRIORITY PRIORITY NUMBER 2015-015420 | DATE 10/07/2015 | COUNTRY JAPAN | and a | |
| | | | | - CO |

| DESIGN NUMBER | | 273708 | |
|---|--------------------|----------------|----------------------|
| CLASS | | 14-02 | |
| 1)MICROSOFT CORPORATION WASHINGTON) OF ONE MICROSOFT WAY, REDM COMPANY | | | C |
| DATE OF REGISTRATION | 20 | 0/07/2015 | R |
| TITLE | HEADSET V | ISOR ENCLOSURE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/515,202 | 20/01/2015 | U.S.A. | |
| DESIGN NUMBER | 274 | 061 | |
| CLASS | 03- | 01 | : 11. |
| 1)SABYASACHI COUTURE 86/C, JATIN DAS ROAD, KOLK | ATA - 700 029 WEST | BENGAL INDIA. | |
| DATE OF REGISTRATION | 30/07/ | /2015 | |
| TITLE | BA | ١G | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 274643 | |
| CLASS | 11-01 | | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. NAI | R ROAD, JUHU, MUN | /IBAI- 400049. | |
| DATE OF REGISTRATION | | 19/08/2015 | All all and a second |
| TITLE | EARRING | | |
| PRIORITY NA | | | |

| DESIGN NUMBER | | 278591 | |
|--|--|------------------------------|---------|
| CLASS | | 08-08 | |
| 1)EARL GERTSMA, A US CITIZE 243 DORLAND AVENUE, BEREA | | TES OF AMERICA | |
| DATE OF REGISTRATION | 22 | /12/2015 | |
| TITLE | CO | RD CLIP | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/534,133 | 27/07/2015 | U.S.A. | |
| DESIGN NUMBER | | 278706 | |
| CLASS | | 05-05 | |
| UNDER THE PROVISION OF COM REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, PA DATE OF REGISTRATION | NDESARA, SURAT-3 | | |
| TITLE | | TILE FABRIC | 9.1 9.2 |
| | ILAI | ILE PADRIC | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 274109 | |
| CLASS | | 04-02 | |
| 1) THE GILLETTE COMPANY, AN OF ONE GILLETTE PARK, BOST | N AMERICAN COMI ON, MA 02127 UNITE | PANY, ED STATES OF AMERIC | CA |
| DATE OF REGISTRATION | 0 | 3/08/2015 | |
| TITLE | TOOTHBRUSH | | |
| PRIORITY PRIORITY NUMBER 871440401 | DATE 06/02/2015 | COUNTRY WIPO | |
| | | | |

| DESIGN NUMBER | | 268176 | | |
|---|--------------------------|---|--|----------|
| CLASS | | 15-06 | | |
| UDAYARAVI ENTERPRIS REGISTERED OFFICE | SES, A PA Dr, 2nd C | UMYA RAVIKUMAR TRADING AS A PARTNERSHIP FIRM HAVING ITS ND CROSS, CUBBONPET, BANGALORE-3 12/12/2014 TEXTILE MACHINE | | |
| PRIORITY NA | | | | N |
| DESIGN NUMBER | | 278292 | | |
| CLASS | | 12-16 | | |
| 1)R.N. GUPTA & COMPA COMPANY INCORPORAT 1956), HAVING ITS OFFIC UNIT-II, GT ROAD, TEH DATE OF REGISTRATION | ΓED UNE CE AT | DER THE COMPANIES ACT, | | |
| TITLE | | FRAME OF CRANE | | 1 A |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 278099 | | |
| CLASS | | 19-06 | | IS NO. |
| COMPANIES ACT, 1956 O VIRGINIA HOUSE, 37, J INDIA | 9 F J. L. NEHI | MPANY WITHIN THE MEANI RU ROAD, KOLKATA - 700071, | | |
| DATE OF REGISTRATIO | N | 04/12/2015 | | |
| TITLE | | PEN | | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | | 278579 | | | | |
|--|---|--|---|--|---|--------|
| CLASS | | 23-04 | | | | |
| 1)BAJAJ ELECTRICAJ REGISTERED IN INDIA OFFICE AT, 45/47, VEER NARIMA OF MAHARASHTRA, INI | , HAVINO N ROAD, | G ITS REGISTE MUMBAI 40000 | C RED D1, STATE | | | T |
| DATE OF REGISTRATION | | 22/12/2015 | | | | |
| TITLE | | FAN | | - | h | |
| PRIORITY NA | | | | | 2 | |
| DESIGN NUMBER | | | 278 | 963 | | |
| CLASS | | | 12- | -16 | | |
| 1)BAJAJ AUTO LIMIT THE COMPANIES ACT AT 2/A, 2ND FLOOR, BH/ RAMKRISHNA ROAD, SA 3RD FLOOR, KHIVRAJ B STATE OF TAMIL NADU STATE OF MAHARASHT | OF 1956, I ARANI BU ALIGRAM UILDING, (), AND RE | HAVING ITS P USINESS CENTR IAM, CHENNAI , NO. 616, ANNA EGISTERED OF | RINCIPAL RE, DR. BH 600093, (FC A SALAI, C | PLACE OF ANUMATH DRMERLY HENNAI - 6 | F BUSINESS I AT 2ND & 500006, | C C A |
| DATE OF REGISTRATION | ON | | 31/12 | /2015 | | |
| TITLE | | REAR FEN | IDER FLAP | FOR MOTO | ORCYCLE | |
| PRIORITY NA | | | | | | |
| DESIGN NUMBER | | 27 | 8793 | | | |
| CLASS | | 12 | 2-16 | | | |
| 1) DAIWA KASEI INDU 1, KAMIHIRACHI, HO JAPAN, NATIONALITY: . | BO-CHO, | | , AICHI 444 | -0004, | 4 | |
| DATE OF REGISTRATION | ON | 28/12/2015 | | | R | |
| TITLE | | CLIP FOR VEHICLE | | | 0 | |
| PRIORITY | | | | | T | |
| PRIORITY NUMBER | | DATE COUNT | | RY | C | RAL RI |
| 2015-015407 | | 10/07/2015 | JAPAN | | 9 | JAHO I |
| | | | | | | |

| DESIGN NUMBER | | | 275072 | |
|--|--|--|-------------------------------|-----------|
| CLASS | | | 11-01 | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B | . NAIR ROAD, JU | HU, MUN | 1BAI- 400049. | <i>EO</i> |
| DATE OF REGISTRATION | | | 27/08/2015 | |
| TITLE | | • | PENDANT | SEN 3 |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 278262 | | |
| CLASS | | 26-05 | | |
| EXISTING UNDER THE LAY NETHERLANDS, RESIDING AT EINDHOVI HIGH TECH CAMPUS 5, 5656 | EN, WHOSE POST AE EINDHOVEN | C-OFFICE I, THE NE | ADDRESS IS THERLANDS | |
| DATE OF REGISTRATION | | 10/12/2015 | | |
| TITLE | SPO | T LED LA | MP | |
| PRIORITY | 1 | | | |
| PRIORITY NUMBER | DATE | | DUNTRY | |
| 002730721-0001 | 03/07/2015 | OF | IIM | U |
| DESIGN NUMBER | , | 278545 | | |
| CLASS | | 12-11 | | |
| 1)TUBE INVESTMENTS O COMPANY INCORPORATE 1956, HAVING ITS PRINCIP "ARE HOUSE", 234, N. S. STATE OF TAMIL NADU, IN DATE OF REGISTRATION | D UNDER THE (AL PLACE OF B C. BOSE ROAD, C DIA | COMPAN USINESS CHENNAI /12/2015 | IES ACT OF AT - 600001, | |
| TITLE | | ICYCLE | | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | 274738 | | | |
|--|---|------|--|--|
| CLASS | 11-01 | | | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. NAII | R ROAD, JUHU, MUMBAI- 400049. | | | |
| DATE OF REGISTRATION | COF REGISTRATION 20/08/2015 | | | |
| TITLE | E EARRING | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 278466 | | | |
| CLASS | 02-04 | | | |
| ADDRESS IS | IS INDIAN TRADING AS JSK IMPEX WHOSE | | | |
| DATE OF REGISTRATION | 17/12/2015 | P | | |
| TITLE | FOOTWEAR | | | |
| | | VIII | | |
| DESIGN NUMBER | 265829 | | | |
| CLASS | 23-01 | | | |
| ANGAMALY SOUTH, | TIC INDUSTRY, DEVELOPMENT AREA, 1-683573, KERALA STATE, INDIAN NATIONALS | | | |
| DATE OF REGISTRATION | 22/09/2014 | | | |
| TITLE | RAIN WATER GUTTER | | | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | | 278838 | | |
|--|------------------------------------|--------------------------|--------------|-------|
| CLASS | | 14-02 | | |
| 1)LG ELECTRONICS IN THE LAWS OF REPUBLIC 128, YEOUI-DAERO, YE KOREA | C OF KOREA HAV | XISTING AND ORG | RD OFFICE AT | |
| DATE OF REGISTRATION | N | 29/12/2015 | 5 | |
| TITLE | | TABLET COMP | PUTER | |
| PRIORITY PRIORITY NUMBER 30-2015-0034240 | DATE 07/07/2015 | COUNTRY REPUBLIC OF F | KOREA | |
| DESIGN NUMBER | | 274040 | | L. |
| CLASS | | 02-02 | | |
| 1)SABYASACHI COUTU 86/C, JATIN DAS ROAD | | 029, WEST BENGAL | INDIA. | |
| DATE OF REGISTRATION | N | 30/07/2015 | | |
| TITLE | LA | DIES GARMENT (SE | ET) | ARTER |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 27 | 8598 | | |
| CLASS | 1 | 12-16 | | |
| 1)SCANIA CV AB, A SWI SE-151 87, SÖDERTÄLJI | E DISH COMPANY E, SWEDEN | Ó OF, | | |
| DATE OF REGISTRATION | 22/1 | 22/12/2015 | | |
| TITLE | LOWER FRONT | CORNER PANEL | St. | |
| PRIORITY PRIORITY NUMBER 2015/0251 | DATE 30/06/2015 | COUNTRY | | |
| 2013/0231 | | sweden | | 19765 |

| DESIGN NUMBER | 278707 | |
|---|--|---------------------------------|
| CLASS | 05-05 | A CONTRACTOR OF THE REAL |
| UNDER THE PROVISION OF COM REGISTERED OFFICE AT | RINTS PVT. LTD. A COMPANY REGISTERED PANIES ACT, 1956 HAVING ITS NDESARA, SURAT-394221 GUJARAT | |
| DATE OF REGISTRATION | 23/12/2015 | |
| TITLE | TEXTILE FABRIC | |
| PRIORITY NA | | |
| DESIGN NUMBER | 278921 | |
| CLASS | 12-16 | |
| THE COMPANIES ACT OF 1956, HA AT 2/A, 2ND FLOOR, BHARANI BU RAMKRISHNA ROAD, SALIGRAM (FORMERLY AT 2ND & 3RD FLO | OR, KHIVRAJ BUILDING, NO. 616, ANNA F TAMIL NADU), AND REGISTERED OFFICE | |
| TITLE | WHEEL RIM FOR VEHICLE | |
| PRIORITY NA | | |
| DESIGN NUMBER | 273846 | |
| CLASS | 15-05 | |
| 1)VIMAL PLAST (INDIA) PVT. LT PLOT NO. 3, UDYOG VIHAR, GR U.P, INDIA. | 'D. EATER NOIDA, DIST. GAUTAM BUDH NAGAR, | |
| DATE OF REGISTRATION | 24/07/2015 | |
| TITLE | WASHING MACHINE | and a start of the start of the |
| PRIORITY NA | | |

| DESIGN NUMBER | | 275061 | |
|---|--------------------|---|------|
| CLASS | | 11-01 | |
| 1)FARAH KHAN ALI 101, SANJAY PLAZA, A.B. | NAIR ROAD, JUHU, I | MUMBAI- 400049. | |
| DATE OF REGISTRATION | | 27/08/2015 | |
| TITLE | | EARRING | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 278496 | |
| | | | |
| | | 26-02 A (AN INDIAN COMPANY E | |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION TITLE | | A (AN INDIAN COMPANY E | DULY |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION | DMPANIES ACT, 1956 | A (AN INDIAN COMPANY E 5) 18/12/2015 | PULY |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION TITLE PRIORITY NA | DMPANIES ACT, 1956 | A (AN INDIAN COMPANY E 5) 18/12/2015 LANTERN | DULY |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER | DMPANIES ACT, 1956 | A (AN INDIAN COMPANY E 5) 18/12/2015 LANTERN 70625 23-01 | DULY |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS 1)FR. JACOB SÖHNE GMB NIEDERNFELDWEG 14, 32 | DMPANIES ACT, 1956 | A (AN INDIAN COMPANY E 5) 18/12/2015 LANTERN 70625 23-01 | DULY |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS 1)FR. JACOB SÖHNE GMB NIEDERNFELDWEG 14, 32 | DMPANIES ACT, 1956 | A (AN INDIAN COMPANY E 5) 18/12/2015 LANTERN 70625 23-01 LICA, GERMANY | PULY |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS 1)FR. JACOB SÖHNE GMB NIEDERNFELDWEG 14, 32 DATE OF REGISTRATION | DMPANIES ACT, 1956 | A (AN INDIAN COMPANY E 5) 18/12/2015 LANTERN 70625 23-01 LICA, GERMANY 03/2015 NG FOR TUBES AND | |
| 1)ANDSLITE PVT. LTD., 103, F.I.E., PATPARGANJ, REGISTERED UNDER THE CO DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS 1)FR. JACOB SÖHNE GMB NIEDERNFELDWEG 14, 32 DATE OF REGISTRATION TITLE | DMPANIES ACT, 1956 | A (AN INDIAN COMPANY E 5) 18/12/2015 LANTERN 70625 23-01 LICA, GERMANY 03/2015 NG FOR TUBES AND | |

| DESIGN NUMBER | 278775 | |
|---|---|------------------------|
| CLASS | 07-02 | |
| 1)NATIONAL INSTITUTE OF PALDI, AHMEDABAD-38000 INDIAN | DESIGN LOCATED AT 7, GUJARAT, HAVING NATIONALITY AS | - |
| DATE OF REGISTRATION | 28/12/2015 | - Martin - Contraction |
| TITLE | VESSEL FOR BARBEQUE | |
| PRIORITY NA | | |