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.

(Chaitanya Prasad) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

30th JANUARY, 2015

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THE PATENT OFFICE

KOLKATA, 30/01/2015

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| Gove Boud Near Mun Pl Fa E- ★ T I I | Patent Office, ernment of India, dhik Sampada Bhavan, r Antop Hill Post Office,S.M.Road,Antop Hill, mbai - 400 037 hone: (91)(22) 24137701 ax: (91)(22) 24130387 -mail: <u>mumbai-patent@nic.in</u> The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli | 5 | Territories of Puducherry and Lakshadweep. The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091 Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in |
| Gove Boud Plot New ♦ 1 a | Patent Office, ernment of India, dhik Sampada Bhavan, No. 32., Sector-14, Dwarka, 7 Delhi – 110075 Phone: (91)(11) 2808 1921 – 25 Fax: (91)(11) 2808 1920 & 2808 1940 E.mail: <u>delhi-patent@nic.in</u> The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh. | | ✤ Rest of India |
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पेटेंट कार्यालय

कोलकाता, दिनांक 30/01/2015

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| 1 | कार्यालय : महानियंत्रक, एकस्व, अभिकल्प | 4 | पेटेंट कार्यालय, भारत सरकार |
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| | तथा व्यापार चिहन, | | इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट |
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| | | | 🔹 आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा |
| | | | पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप |
| 2 | पेटेंट कार्यालय, भारत सरकार | 5 | पेटेंट कार्यालय, भारत सरकार |
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| | फोन: (91) (22) 24137701 | | कोलकाता-700 091, भारत. |
| | फ़ैक्स: (91) (22) 24130387 | | फोन: (91)(33) 2367 1943/44/45/46/87 |
| | ई. मेल: Mumbai-patent@nic.in | | फ़ैक्स:/Fax: (91)(33) 2367 1988 |
| | 🔹 गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ | | ई. मेल: kolkata-patent@nic.in |
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| | दादर और नगर हवेली. | | अगरत का अवशेष क्षेत्र |
| 3 | पेटेंट कार्यालय, भारत सरकार | | |
| | बौद्धिक संपदा भवन, | | |
| | प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075. | | |
| | फोन: (91)(11) 2808 1921-25 | | |
| | फ़ैक्स: (91)(11) 2808 1920, 2808 1940 | | |
| | ई. मेल: delhi-patent@nic.in | | |
| | हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, | | |
| | पंजाब,राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य | | |
| | क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़ | | |

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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।

The Patent Office Journal 30/01/2015

SPECIAL NOTICE

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(Chaitanya Prasad) 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**.

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SPECIAL NOTICE

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

Early Publication:

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| (12) PATENT APPLICATION PUBLICATION | (21) Application No.2717/DEL/2013 A |
|--|-------------------------------------|
| (19) INDIA | |
| (22) Date of filing of Application :17/09/2013 | (43) Publication Date : 30/01/2015 |

(54) Title of the invention : UNIVERSAL BLOCK INSTRUMENT (FOR RAILWAY ABSOLUTE BLOCK 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 | B61F :NA :NA :NA :NA :NA :NA :NA | 1)JAGDISH CHANDER PANERI Address of Applicant :215-GANESH COLONY, RAOJI-KA HATA, UDAIPUR-313001. Rajasthan India (72)Name of Inventor : 1)JAGDISH CHANDER PANERI |
|--|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

Universal block instrument is Railway Electrification clear means this Universal Block Instrument will prevent from induce effect of AC high voltage.

No. of Pages : 14 No. of Claims : 10

(22) Date of filing of Application :14/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR FACILITATING DIAGNOSTIC AND MAINTENANCE OF A MEDICAL DEVICE

| (51) International classification | :A61B6/00 | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :NA | 1)HCL Technologies Ltd. |
| (32) Priority Date | :NA | Address of Applicant :B-39, Sector 1, Noida 201301, Uttar |
| (33) Name of priority country | :NA | Pradesh, India |
| (86) International Application No | :PCT// | (72)Name of Inventor : |
| Filing Date | :01/01/1900 | 1)BARUAH, Shantanu |
| (87) International Publication No | : NA | 2)SETHI, Rohit |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | I |

(57) Abstract :

Disclosed is a system for facilitating diagnostic and maintenance of a medical device used for treatment of a patient. The system comprises a data capturing module for capturing data pertaining to a medical device. The data may be captured from one or more data sources comprising Picture Archiving and Communication System (PACS), Electronic Medical Record (EMR) systems, and Device Monitoring System. Further, the system comprises an analysis module for deriving meaningful information from the data by performing data analytics on the data. Further, the system comprises a prediction module for predicting insights associated to the medical device based on the meaningful information, wherein the insights facilitate in diagnosis and maintenance of the medical device.

No. of Pages : 22 No. of Claims : 8

(22) Date of filing of Application :13/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND DEVICE FOR MEASURING LEVELS OF CAST IRON AND SLAG IN A BLAST 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 | :PCT/EP2013/064482 :09/07/2013 :WO 2014/009367 :NA :NA | (71)Name of Applicant : 1)CENTRE DE RECHERCHES M‰TALLURGIQUES ASBL CENTRUM VOOR RESEARCH IN DE METALLURGIE VZW Address of Applicant :Boulevard de la Plaine 5 B 1050 Bruxelles Belgium (72)Name of Inventor : 1)OJEDA ARROYO Claudio 2)DURIEU Frdric 3)ESSER Eric |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a method for measuring the liquid metal surface level (13) and the slag surface level (14) in the crucible (1) of a metallurgical shaft furnace comprising the following steps: measuring at one or more points on the external wall (2) of the crucible the following variables: the circumferential strain in said external wall (2) by means of a number of strain gauge sensors (6) fixed to the armour (4) of the external wall (2) of the crucible; and the temperature of said external wall (2) by means of one or more temperature sensors (7) fixed to the armour (4) of the external wall (2) of the crucible; introducing said variables measured at a number of points on the external wall of the crucible into the general equation governing circumferential strain the solution of which is analytical and which contains two unknowns the liquid metal level and the overall liquid metal/slag level considering set parameters; and solving said equation and obtaining an analytical solution giving the liquid metal surface level (13) and the slag surface level (14) in the crucible (1).

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

(19) INDIA

(22) Date of filing of Application :10/09/2013

(54) Title of the invention : ROTATIONAL ENERGY BY GRAVITATIONAL FORCE

| (51) International classification(31) Priority Document No | :F03G, F03B :NA | (71)Name of Applicant : 1)JAIPARKASH Address of Applicant :JAIPARKASH S/O LATE SH. LAL |
|---|-----------------------|--|
| (32) Priority Date | :NA | SINGH VILLAGE-ALIPUR TEHSIL-SARDHANA DISTT. |
| (33) Name of priority country | :NA | MEERUT Uttar Pradesh India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)JAIPARKASH |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a system for generating rotational energy comprising a frame having a plurality of shafts, each of which is tied with a rope, other end of which is attached to a divided weight supported on a fixed weight, which is connected to another fixed weight to generate rotational energy. It is associated with the following advantageous features:- - Cost effective. - Compact. - No Air Pollution. - Less maintenance.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : SELF SIMILARITY MEASURE FOR FRAUD MEASUREMENT

| | ·G07G | (71)Name of Applicant : |
|---|-------|---|
| (51) International classification | 1/14 | 1)SAS INSTITUTE INC. |
| (31) Priority Document No | :NA | Address of Applicant :100 SAS CAMPUS DRIVE, CARY, |
| (32) Priority Date | :NA | NORTH CAROLINA 27513, U.S.A. |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)BRIAN DUKE |
| Filing Date | :NA | 2)MEHMET KEREM MUEZZINOGLU |
| (87) International Publication No | : NA | 3)ANKUR GUPTA |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A computerized system that processes a fraud score for a financial transaction in connection with an account is computed from retrieved data to indicate a probability of the account being in a compromised condition. A self-similarity score is computed if the computed fraud score is above a predetermined threshold to indicate similarity of the received transaction to other transactions of the account in the set of prior transactions. A suggested action to authorize or decline the transaction is determined based on the computed fraud score and the computed self-similarity score.

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

(19) INDIA

(21) Application No.1094/MUM/2014 A

(22) Date of filing of Application :27/03/2014 (43) Publication Date : 30/01/2015

(54) Title of the invention : A LATCH ARRANGEMENT FOR MOTORIZED OPERATING MECHANISM OF CIRCUIT BREAKER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :H01H71/50, H01H71/52 :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 (72)Name of Inventor : 1)AMBEKAR, Mandar, M. 2)MURUKATE, Mohan, K. |
|--|---|--|
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

The present invention relates to a stored energy operating mechanism used in circuit breaker for switchgear products. The present invention provides a motorized operating mechanism of circuit breaker with dynamic latch arrangement to assist positive closing of the circuit breaker during its reverse travel. This will allow breaker even with toggle point occurring late to be used with motorized operating mechanism and ensure positive closing of breaker. In the present invention, latch arrangement operates on centrifugal force phenomenon; hence it can be worked with any mounting position of circuit breaker without getting affected by gravity.

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

(19) INDIA

(22) Date of filing of Application :24/06/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DESIGN OF EQUIPMENT FOR GAS-GAS, GAS-SOLID AND GAS-SOLID-GAS REACTIONS.

| (51) International classification | :B01J 19/00, D01B1/02 | |
|---|-----------------------------|--|
| (31) Priority Document No | :NA | ENGINEERING, SGGS INSTITUTE OF ENGINEERING AND |
| (32) Priority Date | :NA | TECHNOLOGY, NANDED-431606, MAHARASHTRA, |
| (33) Name of priority country | :NA | (INDIA) |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)TUMME PRATIK R |
| (87) International Publication No | : NA | 2)TUNGIKAR VINOD B |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

At present, numerous equipments are followed for reaction kinetics. The primary aim of an industry requires minimum cost equipment and minimum area. To check the feasibility of the equipment, I carried out experiment of cottonseed delinting. This equipment fulfills the requirements of industry and is not limited to delinting of cottonseed rather it can be used in many gas-gas, gas-solid and gas-solid-gas reactions.

No. of Pages : 6 No. of Claims : 3

(22) Date of filing of Application :09/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYNTHESIS OF NOVEL 3-(2-CHLOROQUINOLIN-3-YL)-N-CYCLOHEXYLQUINOXALIN-2-AMINES AND ANTIBACTERIAL ACTIVITY THEREOF

(57) Abstract :

The present invention relates to a synthesis of novel 3-(2-chloroquinolin-3-yl)-N-cyclohexylquinoxalin-2-amines and antibacterial activity thereof. A process for producing a compound of the formula (JF) Wherein R1 represents a hydrogen atom, a nitro group, a chlorine atom or a methyl group, and R2 represents a hydrogen atom, a methyl group or a methoxyl group. which comprises step 1 of reacting a compound of the formula (1) in the presence of acetic anhydride (Ac20), glacial acetic acid (AcOH) and sodium acetate (NaOAc) to obtain a compound of the formula (2); Wherein R2 has the same meaning as defined above, which comprises, step 2 of reacting the compound of formula (2) obtained in the step 1 and phosphoryl chloride (POCI3) in presence of N,N-dimethylformamide (DMF) to obtain the compound of the formula (3). Wherein R2 has the same meaning as defined above, Wherein R1 and R2 have the same meaning as defined above. and which comprises, step 3 of reacting the compound of formula (3) obtained in the step 2, compound of formula (4) and compound of formula (5) in presence of ethanol (EtOH) using ceric ammonium nitrate (CAN) as catalyst to obtain the compound of the formula (JF).

No. of Pages : 20 No. of Claims : 7

(22) Date of filing of Application :13/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL POLY(ESTER-AMIDE) HOT MELT ADHESIVE USING RICINOLEIC ACID

| (51) International classification | 18/60, C09J | (71) Name of Applicant : 1) MHASKE SHASHANK TEJRAO Address of Applicant :DEPARTMENT OF POLYMER AND SURFACE ENGINEERING, INSTITUTE OF CHEMICAL |
|---|----------------|--|
| (31) Priority Document No | :NA | TECHNOLOGY, NATHALAL PAREKH MARG, MATUNGA |
| (32) Priority Date | :NA | (EAST), MUMBAI-400019, MAHARASHTRA, INDIA., |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)KADAM PRAVIN GOPAL |
| Filing Date | :NA | 2)VAIDYA PARTH NITIN |
| (87) International Publication No | : NA | 3)SAVVASHE PRASHANT BHAIRAVNATH |
| (61) Patent of Addition to Application Number | :NA | 4)MHASKE SHASHANK TEJRAO |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In the present invention, novel poly(ester-amide) hot melt adhesives are prepared from condensation of sebacic acid with the equivalent proportion of a mixture of ricinoleic acid and ethylenediamine.

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

(19) INDIA

(22) Date of filing of Application :05/06/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DESIGN OF RAILWAY PLATFORM SHED WITH TRUSSLESS ROOF.

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B61D15/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)SATISH NAGORAO MOWADE Address of Applicant :402/03, UTKARSH RAJNIGANDHA KHARE TOWN NAGPUR-10 Maharashtra India (72)Name of Inventor : 1)SATISH NAGORAO MOWADE |
|---|---|---|
| Filing Date | :NA :NA | |

(57) Abstract :

This is an innovative platform shed that can change the current Indian railway platform scenario which is of safe, economical, truss less (Without purlins) and maintenance free railway platform shed. It is an attractive architectural conceptual design with enough structural stability to withstand all the applied loads. Application of this shed may change the total scenario of Indian railway platforms. The whole structure is rested on a single RCC column (spacing of two RCC column is 8 m) and the girder above column is supported at its center by the column. Other two ends are cantilever. Total girder length is 9.90 m as per railway standards whereas the cantilever part will be nearly 4.5 m on each side. Galvalume sheet (trussless roof) will rest on a runner beam which is fixed at the cantilevered edge of girder. This runner beam will transfer all the loads on the girder. An arrangement of proper gutter is made for proper drainage without disturbing any movement on railway platform. This shed is successfully erected on railway platform of Nagpur railway station (India). It has proved its stability in a cyclone dated on 23rd Feb 2014 in Nagpur territory. As a case study we will deal with the details.

No. of Pages : 29 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :26/12/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : ELECTRO-PNEUMATIC LAMP | | | |
|--|--------------------------|--|--|
| | | | |
| (51) International classification | :B60T17/22, B60T17/18 | (71)Name of Applicant : 1)SAUMYA JAY DHOLAKIA | |
| (31) Priority Document No | :NA | Address of Applicant :7, UDAY HEIGHTS, PLOT NO. H4 | |
| (32) Priority Date | :NA | ADC, SECTOR NO. 26, NEAR AKURDI RLY STATION, B/H | |
| (33) Name of priority country | :NA | KENDRIYA SADAN, PRADHIKARAN, NIGDI, PUNE 411 | |
| (86) International Application No | :NA | 044, MAHARASHTRA, INDIA | |
| Filing Date | :NA | (72)Name of Inventor : | |
| (87) International Publication No | : NA | 1)SAUMYA JAY DHOLAKIA | |
| (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 generating electricity for small scale applications by physical means, the said system uses a bellow foot pump that operates on foot pressure to generate sufficient amount of compressed air, the said pump then operates an air motor of required torque, the said motor then operates a dynamo used to generate sufficient amount of electricity to power the LEDs, the said dynamo is then connected to a small portable battery through a switch, the said switch if closed connects the dynamo to the battery and if opened connects the dynamo directly to the LED, the said LED can then provide sufficient amount of light for the given application.

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

(22) Date of filing of Application :17/11/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : UTILIZATION OF COAL FLY ASH OF THERMAL POWER PLANT IN CONJUNCTION WITH CHITOSAN FOR EFFICIENT REMOVAL OF DIFFERENT HEAVY METAL IONS AND THEIR SOLIDIFICATION FOR SAFE SOLID WASTE DISPOSAL.

| (51) International classification | DO1D52/50 | (71)Nome of Applicant |
|---|-----------|---|
| (51) International classification | B01D22/20 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)AGARWAL, AJAY KUMAR |
| (32) Priority Date | :NA | Address of Applicant :10, SHIRISH APARTMENTS, |
| (33) Name of priority country | :NA | SHASTRI LAYOUT, JAITALA ROAD, SUBHASH NAGAR, |
| (86) International Application No | :NA | NAGPUR-440022 Maharashtra India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)AGARWAL, AJAY KUMAR |
| (61) Patent of Addition to Application Number | :NA | 2)DR. KADU, MAHENDA S. |
| Filing Date | :NA | 3)DR. PANDHURNEKAR, CHANDRASHEKHAR P. |
| (62) Divisional to Application Number | :NA | 4)MUTHREJA, ISHWARDAS L. |
| Filing Date | :NA | |

(57) Abstract :

In our present invention, the study was undertaken to investigate the removal efficiency of different metal ions such as Ni++, Zn and Pbions from the aqueous solution in economical and environmental friendly way. For the first time, a mixture consisting of thermal power waste i.e. fly ash along with chitosan, a kind of bioadsorbant was used to remove these heavy metal ions from the aqueous solution. It was observed that the removal efficiency of Znand Pb++ions from the aqueous solution was 100%, whereas Ni1 ions within the range of 88.08 -50.49%. During these batch studies, the mixture pH was maintained at 8.5 pH and the solution was under constant stirring condition. In this process fly ash was used without any pre-treated. The waste produced from this process is fly ash and bio-sorbent containing Ni, Zn and Pbions, when solidified with the Portland cement doesnt leach out the Zn++and Pbions even after 90 days of leaching test. However, a small traces of Ni1-1 ions were leach out, but their accumulated concentration was found be very low as compared to the limits given by The Environment (Protection) Rules, 1986, Schedule - VI, India. Therefore, this proves the fact that the process invented is helpful to remove heavy metal contamination from waste water and the waste produced from the process can be disposed off in environmental friendly manner after solidifying it with the cement.

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

(22) Date of filing of Application :13/01/2015

(54) Title of the invention : NOVEL POLY(ESTER-AMIDE) HOT MELT ADHESIVE USING CASTOR OIL

(57) Abstract :

In the present invention, novel poly(ester-amide) hot melt adhesives are prepared from condensation of sebacic acid with the equivalent proportion of a mixture of castor oil and ethylenediamine.

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

(22) Date of filing of Application :13/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MICRO-CONTROLLER BASED AUTOMATED JIG & FIXTURE FOR CURVED SURFACE DRILLING WITH INDEXING ATTACHMENT.

| , (71)Name of Applicant : 1)TUNGIKAR VINOD BALWANTRAO Address of Applicant :DEPARTMENT OF PRODUCTION ENGINEERING, SGGS, INSTITUTE OF ENGINEERING AND TECHNOLOGY, VISHNUPURI, NANDED-431 606, MAHARASHTRA, INDIA. (72)Name of Inventor : 1)ABHALE NILESH S 2)PATIL SAGAR G |
|---|
| 3)TUNGIKAR VINOD B |
| |

(57) Abstract :

A system and method of drilling on a surface comprising an indexing rod, an indexing plate, at least one locating element, plurality of clamping units, at least one microcontroller, a motor and a locking mechanism. The method of drilling includes, withdrawing the indexing pin from the indexing plate to unlock rotary movement of the indexing rod. A first signal is sent to the stepper motor from the microcontroller to rotate the indexing rod at the desired angle. Subsequently a second signal is sent to the stepper motor from the microcontroller to stop the stepper motor when the indexing rod reaches the desired angle. This rotation of the indexing rod rotates the workpiece to the angle where a hole has to be drilled. The rotary motion of the indexing rod is then locked by inserting the indexing pin in a indexing hole of the indexing plate.

No. of Pages : 6 No. of Claims : 3

(19) INDIA

(21) Application No.33/CHE/2015 A

(22) Date of filing of Application :02/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : LEUKOCYTE ESTERASE DETECTION FROM THROAT SWAB

| (51) International classification | :C12Q | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)Kumara Venkatanarayana Nibhanipudi |
| (32) Priority Date | :NA | Address of Applicant :H. No. 150/A SRT, Sanjeeva Reddy |
| (33) Name of priority country | :NA | Nagar, Hyderabad, Telangana, India. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Kumara Venkatanarayana Nibhanipudi |
| (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 | |
| | | <u></u> |

(57) Abstract :

The present invention relates to the field of infectious diseases. The invention specifically relates to the diagnostic test for acute bacterial pharyngitis. The test is used in screening for Group A Beta Haemolytic Streptococcus by the identifying the presence of leukocyte esterase in the throat. The Leukocyte Esterase Throat Swab Test is compared to the Rapid Step Test for efficiency in terms of fast delivery of results.

No. of Pages : 18 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :06/01/2015

(54) Title of the invention : METHOD AND SYSTEM FOR DETECTING A SECURITY BREACH IN AN ORGANIZATION(51) International classification:g06q(31) Priority Document No:NA(31) WIPRO LIMITED

| | i i nonty Document i to | .1 17 1 | |
|-----|---|---------|---|
| (32 | 2) Priority Date | :NA | Address of Applicant :Doddakannelli, Sarjapur Road, |
| (32 | 3) Name of priority country | :NA | Bangalore 560035, Karnataka, India. |
| (80 | 6) International Application No | :NA | (72)Name of Inventor : |
| | Filing Date | :NA | 1)ABHISHEK SUMAN |
| (8' | 7) International Publication No | : NA | 2)SREEVIDYA KHATRAVATH |
| (6 | 1) Patent of Addition to Application Number | :NA | 3)MANIKHANTAN SANKARA RAMAN |
| | Filing Date | :NA | |
| (62 | 2) Divisional to Application Number | :NA | |
| | Filing Date | :NA | |

(57) Abstract :

Embodiments of the present disclosure disclose a method and a system for detecting a breach of security in an organization. The method comprises receiving input data in real-time from one or more security systems. The method further comprises analyzing the input data to generate at least one of security information in a predefined format, trajectory information on movement of one or more persons, and facial features of the one or more persons. The method further comprises correlating the security information, the trajectory information and the facial features. The method further comprises detecting the security breach in the organization based on the correlation.

No. of Pages : 30 No. of Claims : 15

(22) Date of filing of Application :22/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : POWER FROM GRAVITATIONAL PRESSURE VARIATION SYSTEM (PGPV SYSTEM)

| (51) International classification(31) Priority Document No(32) Priority Date | :NA :NA | (71)Name of Applicant : 1)V.M. KRISHNA KUMAR Address of Applicant :VETTUKATTIL HOUSE, |
|--|------------|---|
| (33) Name of priority country | :NA | KALIYAROAD POST, CHELAKKARA, THRISSUR - 680 586 |
| (86) International Application No | :NA | Kerala India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)V.M. KRISHNA KUMAR |
| (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 power generation, mainly electric power based on gravitational pressure variation, wherein no use of fuel or any kind of external energy like sunlight, wind etc. Uninterrupted power is generated, free from pollution and other environmental issues, with very low cost of production, which enables in distributing energy everywhere irrespective of time and distance, as it can be commissioned anywhere.

No. of Pages : 5 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :14/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN IMPROVISED ELECTRIC SCOOTER WITH REDESIGNED BODY AND FRAME SIMULATING THE SWAN

| (51) International classification(31) Priority Document No | :b62k :NA | (71)Name of Applicant : 1)ANOOP NISHANTH P.J |
|---|--------------|---|
| (32) Priority Date | :NA | Address of Applicant :NO.5, GOVINDASWAMY NAGAR, |
| (33) Name of priority country | | JUMBLI NEW COLONY, KODINGAIYUR, CHENNAI - |
| (86) International Application No Filing Date | | 600118 Tamil Nadu India (72) Name of Inventor : |
| (87) International Publication No | : NA | 1)ANOOP NISHANTH P.J |
| (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 discloses an electric scooter having a body that is designed from the inspiration of a swan for providing efficient air flow during the ride. The electric bike comprises a water proof BLDC motor (2), a deck configured to support the rider, front and back wheel base and chassis, controllers (1) placed within the wheel base under the foot rest of the driver for providing the scooters information to the driver. The electric scooter comprises one or more rechargeable and removable concealed battery packs (3) supplying the required power of 48V and 50 - 120A to the driving force of the scooter along with an anti-lock brake, a dual suspension and integrated brake and throttle control. The electric scooter design thus has the powering lithium ion/l ifepo4/Lithium polymer electric batteries (3) mounted in a concealed under body position relative to the platform giving the swan shaped electric scooter a low center of gravity with optimal riding profile. The electric scooter is designed based on the body shape of the bird swan in order to provide a swift movement to the scooter with minimal air resistance. The rear wheel assembly includes a belt drive mechanism (5) for transferring the power from the motor (2) to the wheel base through a swing arm (4) and for forward motion and free wheel coasting. This improved electric motor scooter thus includes: a front lower frame; a front wheel assembly coupled to the front frame and residing on a surface; a rear upper frame; a back wheel assembly coupled to the rear frame and residing on the surface; and a center pivot mechanism comprising the controllers, motor, concealed batteries coupled to the front frame and the rear frame all designed in the .shape of a swan. .

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

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : BLUE TOOTH IGNITION AND IDENTIFICATION OF TWO WHEELERS (51) International classification :H04W (71)Name of Applicant : (31) Priority Document No 1)SUDHAKAR :NA (32) Priority Date :NA Address of Applicant :37, VINAYAGAR KOIL STREET, (33) Name of priority country SOKKANATHANPET - 605 009 Pondicherry India :NA (86) International Application No 2)VIJAYAKUMAR :NA Filing Date :NA (72)Name of Inventor : (87) International Publication No : NA 1)SUDHAKAR (61) Patent of Addition to Application Number :NA 2)VIJAYAKUMAR Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention discloses an application of Bluetooth in two wheeler motor vehicles and an ignition and identification system thereof, comprising the following steps: the master unit of Bluetooth of the two wheeler motor vehicle owner initiates a master/slave connection by an android mobile and the slave unit of Bluetooth arranged in the two wheeler motor vehicle to control the ignition of the engine, indicators and horn. The slave unit of Bluetooth of the vehicle is identified by the android phone of the owner. The safe mode link for pairing of this slave Bluetooth module and the android phone occurs. After successful pairing with the slave Bluetooth module, the owner or user can send command to the slave Bluetooth module using the application provided in the android phone using terminal Bluetooth. When the slave Bluetooth module fixed in the vehicle identifies the command send in by the owner then it sends out signal to control the ignition switch, indicators and the horn of the vehicle. The invention applies Bluetooth to the control of the ignition switch, indicators and horn of the vehicle by an android mobile compared with common wireless control ignition, the invention greatly enhances the security of two wheelers.

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

(19) INDIA

(22) Date of filing of Application :08/01/2015

(54) Title of the invention : METHOD AND SYSTEM FOR MANAGING TUNERS OF CLIENT DEVICES

| (31) Priority Document No (32) Priority Date (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 | (71)Name of Applicant : 1)WIPRO LIMITED Address of Applicant :Doddakannelli, Sarjapur Road, Bangalore 560035, Karnataka, India. (72)Name of Inventor : 1)GOWRISHANKAR SUBRAMANIAM NATARAJAN 2)HARISH NAIR RAJAGOPAL |
|---|-------------------|---|
| | :NA | |

(57) Abstract :

The present disclosure relates to a method and a system for managing tuners of client devices. In one embodiment, a request to allocate a tuner for recording or playback of a broadcast program is received by one or more recording devices from one or more client devices. The system determines states and available recording space of one or more tuners associated with the client devices. The system also determines business rules associated with the client devices based on state, available recording space and type of request received. Based on the business rules, the system identifies a tuner to service the request and allocate the tuner to service the request of the client devices. Thus the system provides multiple device tuner management by identifying and assigning a tuner appropriate to service the request from client device and also identifies the correct tuner with appropriate storage space available to service the request.

No. of Pages : 30 No. of Claims : 12

(22) Date of filing of Application :17/01/2015

(54) Title of the invention : METHOD FOR MANUFACTURING A SEAMLESS COPPER CONTAINER BY SPINNING PROCESS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :D01d :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)THOKALA SRINIVAS REDDY Address of Applicant :H. No. 8-1-168/1, Pragathi Colony, Maillardevpally, Rajendranagar, Hyderabad-500005, Telangana, India. 2)THOKALA SRISAILAM REDDY (72)Name of Inventor : |
|---|---|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 1)THOKALA SRINIVAS REDDY 2)THOKALA SRISAILAM REDDY |

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a method for manufacturing a seamless copper container by spinning process. The method comprising deep drawing a copper circle to form a non uniformed piece of copper, positioning the non uniformed piece of copper on a spinning machine to form a uniformed piece of copper comprising a hallow body, and positioning the uniformed piece of copper comprising a hallow body on a die comprising a predefined shape for forming a container of a preferred geometrical shape.

No. of Pages : 14 No. of Claims : 11

(22) Date of filing of Application :16/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR CONVERTING THE BUSINESS PROCESSES TO TEST-CENTRIC ACTIVITY DIAGRAMS

| (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)M/S CIGNITI TECHNOLOGIES LIMITED Address of Applicant :SUITE NO. 106 & 107, 6-3-456/C, MGR ESTATES, DWARAKAPURI COLONY, PUNJAGUTTA, HYDERABAD-500 082 Andhra Pradesh India (72)Name of Inventor : |
|--|-------------------|---|
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 1)RAJA SEKHAR NERAVATI 2)KALYANA RAO KONDA |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

The system and method for conversion of a business process to test-centric activity diagrams and to computationally generate automatic test suites for various quality attributes. It has been created to reduce the effort of a test engineer. The system consists of the processor 1, the parsing module 2, the analysis module 3 and the test case generator 4. The method takes an activity diagram as the input, which can be generated using UML or any available standard business modelers and to be exported in the industry standard XMI format. The method is pro-agile as it achieves almost 100% functional coverage and has negligible dependence on conventional documentation. The method permits domain specialists and business analysts to add special, custom tags for specific validation conditions and functional checks.

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

(19) INDIA

(22) Date of filing of Application :23/12/2014

(54) Title of the invention : ROAD RUNNERS

(43) Publication Date : 30/01/2015

| (51) International classification:B60(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:NAKa:NAState:N | I)M. VARUN KUMAR Address of Applicant :NO-77 BIG STREET, KARNAMBUT VILLAGE, KATPADI TK, VELLORE DT, PIN-632519 Tamil Nadu India (72)Name of Inventor : 1)M. VARUN KUMAR |
|--|--|
|--|--|

(57) Abstract :

Under normal circumstances, any vehicle which runs through fiiel (LPG, Petrol and Diesel) can be traced with the help of GPS technology. Through GPS device, navigation can be done for the drivers use and also we can trace the location details of the vehicle in case of theft or hijack. Still now the technology was up to locating the vehicle through GPS while during vehicle theft or unauthorized control of vehicle, but we cant stop the vehicle in the particular location where we trace. In order to tackle these kind of difficulties, we are providing a very good solution by introducing a new GSM based technology. By means of this technology, a person whose vehicle have been theft or unauthorized control, can stop his/her vehicle movement very soon by initially blocking the fuel supply to the engine then later by blocking the ignition of the vehicle and finally by blocking the sensors associated to the vehicle just by clicking a button STOP in the Road Runners android mobile application, so after secure authentication that Road Runners app sends an command as SMS to the GSM device of Road Runners mechanism connected to the Vehicle during Manufacture, while the vehicle comes to complete dead stage after it get stopped due to simulated blockages made to the (fuel and ignition) vehicle. In turn the vehicle owner will be Updated with an location SMS and the Road Runners APP facilitates the vehicle owner which contains the exact address about the vehicle location were it get stopped.

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

(19) INDIA

(22) Date of filing of Application :15/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : LIGHT EMITTING DIODE AS A COGENERATION SOURCE (COGENERATION IRON BOX) (51) International classification :H011 (71)Name of Applicant : (31) Priority Document No 1)Safnil S :NA (32) Priority Date :NA Address of Applicant : Ambrammel house, pathimangalam (33) Name of priority country :NA Kunnamangalam p.o, Kozhikode (calicut), Kerala, India (86) International Application No 2)Shreeganesh V Nair :NA Filing Date :NA (72)Name of Inventor : (87) International Publication No : NA 1)Shreeganesh V Nair (61) Patent of Addition to Application Number :NA 2)Safnil S Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention relates to a system of Cogeneration using Light Emitting Diode (LED). In one embodiment of the claimed invention, the cogeneration Iron box utilizes the capability of the LED to produce useful heat and electrical energy simultaneously. The useful heat is harnessed from the temperature of the activated pn junction and the electrical Energy is salvaged from the emitted light using photovoltaic cells. This Iron Box produces sufficient heat to replace conventional Iron Boxes and produces sufficient electrical energy to charge the on board battery. The arrangement of the cogeneration iron box comprises of a standard AC/ DC Driver energizing a designed framework of LEDs fixed on a mounting plate. This arrangement is suitable for conducting heat from the LEDs to a standard iron box plate using a heat conducting compound as the medium for controlling conductive heat loss. This arrangement is provided with a photovoltaic cell assembly facing the lit side of the LEDs to generate electricity sufficient enough to charge the on board battery.

No. of Pages : 24 No. of Claims : 8

(22) Date of filing of Application :27/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : TABLE TOP PORTABLE MINI FRICTION WELDING MACHINE FOR MINIATURE OF WELDED JOINTS

| (51) International classification(31) Priority Document No(32) Priority Date | :NA :NA | (71) Name of Applicant : 1) DR. P. MARIMUTHU Address of Applicant :PRINCIPAL, SYED AMMAL |
|--|-------------|--|
| (33) Name of priority country(86) International Application No | :NA :NA | ENGINEERING COLLEGE, DR. E M. ABDULLAH CAMPUS, RAMANATHAPURAM-623502 Tamil Nadu India |
| Filing Date (87) International Publication No | :NA : NA | 2)TTM. KANNAN (72)Name of Inventor : |
| (6) Patent of Addition to Application Number Filing Date | :NA :NA | 1)DR. P. MARIMUTHU 2)TTM. KANNAN |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Miniature of components with micro scaled features are increasingly required in many industries including automotive, Aeospace and Biomedical. Mini machine is the foundation of technology to produce miniature of components with high accuracy requirements in 3 dimensional features. Modern Techniques are available with wider applications in the design of small structures and models for actual machines that are made from appropriate materials. Table top mini friction welding machine is a specially designed machine for Welding of miniature of welded joints such as aluminium, copper, composite and plastic cylindrical rods. Fricton welding is a solid state welding which produce heat by conversion of Mechanical energy into Thermal energy at the interface of work during rotation under pressure. This Table top mini welding machine will perform accuracy with compromising welding tolerance. It leads to save energy, space and other basic requirements. High precision axis of motion, high loop stiffness, and good damping capacity with low vibrations, low power consumption and portable are main features of Table top mini friction welding machine. It is the first step to fabricate the Table top mini friction welding machine for small weld joints of similar and dissimilar materials in concept of small machines for small components. This table top mini welding machine will satisfy the real requirements friction welding process. The various performance tests were conducted to optimize the machine. It will be handled by any one, anytime and anywhere without much effort.

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

(21) Application No.34/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :02/01/2015

(43) Publication Date : 30/01/2015

| (54) Title of the invention : DOUBLE SOFT COLLA | R | |
|---|-------|--|
| | | |
| (51) International classification | :A61F | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)Kumara Venkatanarayana Nibhanipudi |
| (32) Priority Date | :NA | Address of Applicant :H. No. 150/A SRT, Sanjeeva Reddy |
| (33) Name of priority country | :NA | Nagar, Hyderabad, Telangana, India. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Kumara Venkatanarayana Nibhanipudi |
| (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 medical devices in the field of Emergency and Intensive Care Medicine. The present invention particularly discloses the method of use of the double soft cervical collar. The present invention also particularly relates to the usefulness of double soft cervical collar over hard (Philadelphia collar) and soft cervical collars.

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

(22) Date of filing of Application :31/12/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND SYSTEM FOR PROCESSING SECRET INPUT TEXT STEGANOGRAPHICALLY TO HIDE SECRET INPUT TEXT

| :h04N | (71)Name of Applicant : |
|-------|--|
| :NA | 1)DR KALAVATHI ALLA |
| :NA | Address of Applicant :D.NO 11-843/3, 1/1 PATTABHI |
| :NA | SITARAM NAGAR, NAGARALU, AMARAVATHI ROAD, |
| :NA | GUNTUR Andhra Pradesh India |
| :NA | (72)Name of Inventor : |
| : NA | 1)DR KALAVATHI ALLA |
| :NA | |
| :NA | |
| :NA | |
| :NA | |
| | :NA :NA :NA :NA :NA :NA :NA :NA |

(57) Abstract :

The present invention describes a method and a device for processing a secret input text steganographically to hide the secret input text within a Devanagari script based text. The device is configured to perform encoding of the secret text into a first encoding pattern based upon a pre-determined criteria; encoding of a Devanagri script based cover text to a second encoding pattern based upon a criteria selected out of a plurality of Devanagri text encoding criterior; mapping the second encoding pattern with first encoding pattern to determine a degree of match; and embedding said input text within the said Devanagri script based cover text based upon the selected criteria to produce a steganographic text based upon the degree of match exceeding a threshold. The steganographic so produced text is textually identical to said cover text.

No. of Pages : 38 No. of Claims : 12

(22) Date of filing of Application :19/01/2015

(43) Publication Date : 30/01/2015

(54) Title of the invention : AUTO-MANUAL AND COMPACT GRAIN CRUSHING SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :NA :NA :NA | (71)Name of Applicant : 1)RAMADOSS SAMBATHKUMAR Address of Applicant :19/10, HOSPITAL ROAD, ARUMBAVUR(PO), VEPPANTHATTAI(TK), DED AND ALUP(DT) TAMUNA DU (20102 TAMUNA DU (2 |
|---|-------------------|--|
| (86) International Application No | :NA | PERAMBALUR(DT), TAMILNADU-621103 Tamil Nadu India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)RAMADOSS SAMBATHKUMAR |
| (61) Patent of Addition to Application Number | :NA | 2)DEEPIKA SAMBATHKUMAR |
| Filing Date | :NA | 3)NALLAPAREDDIYAR RAMADOSS |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present subject matter relates to the Auto-manual and compact grain crushing system to process the material right from cleaning, soaking, crushing and cleaning the system with help of electronic control unit and user interface panel. The whole process can be completed through auto mode and or manual mode upon users desire.

No. of Pages : 25 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.10050/DELNP/2013 A |
|--|--|
| (19) INDIA | |
| (22) Date of filing of Application :22/11/2013 | (43) Publication Date : 30/01/2015 |
| | |

(54) Title of the invention : COLD ROLLED STEEL SHEET AND METHOD FOR PRODUCING SAME

| (51) International classification | n:C22C38/00,C21D9/46,C22C38/06 | (71)Name of Applicant : |
|-----------------------------------|--------------------------------|---|
| (31) Priority Document No | :2011117432 | 1)NIPPON STEEL & SUMITOMO METAL |
| (32) Priority Date | :25/05/2011 | CORPORATION |
| (33) Name of priority country | :Japan | Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku |
| (86) International Application | :PCT/JP2012/063261 | Tokyo 1008071 Japan |
| No | :24/05/2012 | (72)Name of Inventor : |
| Filing Date | .24/03/2012 | 1)TODA Yuri |
| (87) International Publication | :WO 2012/161241 | 2)OKAMOTO Riki |
| No | . WO 2012/101241 | 3)FUJITA Nobuhiro |
| (61) Patent of Addition to | :NA | 4)SANO Kohichi |
| Application Number | :NA | 5)YOSHIDA Hiroshi |
| Filing Date | .1 1/1 | 6)OGAWA Toshio |
| (62) Divisional to Application | :NA | 7)HAYASHI Kunio |
| Number | :NA | 8)NAKANO Kazuaki |
| Filing Date | .1 12 1 | |

(57) Abstract :

The cold rolled steel sheet has a mean pole density of $\{100\} < 011 > \{223\} < 110 >$ orientations that is between 1.0 and 5.0; a pole density of $\{332\} < 113 >$ crystal orientation that is between 1.0 and 4.0; an rC which is the Lankford coefficient perpendicular to the rolling direction that is between 0.70 and 1.50; an r30 which is the Lankford coefficient at a 30° angle to the rolling direction that is between 0.70 and 1.50; and a metal composition by vol% of 30 to 99% ferrite + bainite and 1 to 70% of martensite.

No. of Pages : 133 No. of Claims : 24

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : HOT ROLLED STEEL SHEET AND PROCESS 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 | n:C22C38/00,C21D9/46,C22C38/06 :2011117432 :25/05/2011 :Japan :PCT/JP2012/063273 :24/05/2012 :WO 2012/161248 :NA :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor : 1)SANO Kohichi 2)HAYASHI Kunio 3)NAKANO Kazuaki 4)OKAMOTO Riki 5)FUJITA Nobuhiro |
|---|--|---|
| Application Number | | |
| Number Filing Date | :NA :NA | |

(57) Abstract :

This hot rolled steel sheet has an average pole density for $\{100\}<011>$ to $\{223\}<110>$ orientations of 1.0 5.0 has a pole density for the crystal orientation $\{332\}<113>$ of 1.0 4.0 and has a metallographic structure which comprises in terms of areal proportion 30 99% ferrite and bainite and 1 70% martensite and which satisfies the following relationships (1) and (2) wherein fM is the areal proportion of the martensite in % by area dia is the average size of the martensite in μ m dis is the average distance between martensite grains in μ m and TS is the tensile strength of the steel sheet in MPa. dia=13 μ m (relationship 1) TS/fM—dis/dia=500 (relationship 2)

No. of Pages : 111 No. of Claims : 21

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (54) Title of the invention : COMPOSITI | ONS AND METHODS | |
|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C07C43/00 :61/479493 :27/04/2011 :U.S.A. | (71)Name of Applicant : 1)NORTHSHORE UNIVERSITY HEALTHSYSTEM Address of Applicant :1301 Central Street Evanston IL 60201 U.S.A. (72)Name of Inventor : 1)ROY Hemant K. 2)WALI Ramesh K. 3)KUNTE Dhananjay |

(57) Abstract :

Compositions comprising polyethylene glycol (PEG) are disclosed for the prophylaxis and/or treatment of head and neck squamous cell carcinomas (HNSCC). Methods for the prophylaxis and/or treatment of HNSCC comprising administering an effective amount of PEG are also disclosed. Also disclosed are methods and compositions for suppressing the surface expression of EGFR using PEG.

No. of Pages : 45 No. of Claims : 43

(21) Application No.10053/DELNP/2013 A

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

(43) Publication Date : 30/01/2015

| (51) International classification | :A61K9/51 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1107719.5 | 1)INSTITUT QUIMIC DE SARRIA |
| (32) Priority Date | :09/05/2011 | Address of Applicant : Via Augusta 390 E 08017 Barcelona |
| (33) Name of priority country | :U.K. | Spain |
| (86) International Application No | :PCT/IB2012/052320 | (72)Name of Inventor : |
| Filing Date | :09/05/2012 | 1)GOMEZ Salvador Borros |
| (87) International Publication No | :WO 2012/153286 | 2)DI MAURO Primiano Pio |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1174 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (55) 41 | | • |

(54) Title of the invention : POLYMERIC NANOPARTICLES FOR DRUG DELIVERY

(57) Abstract :

Disclosed are nanoparticles comprising a block copolymer and optionally one or more active agent(s) compositions comprising said nanoparticles and methods of preparing said nanoparticles. The block copolymer comprises blocks (i) a first polymer that is a polyester or polyamide and (ii) a second polymer comprising a hydrocarbon chain containing ester or ether bonds with hydroxyl number = 10. The active agent(s) may be present within the nanoparticles or on the surfaces of the nanoparticles. The nanoparticles may optionally be associated with a surface modifying moiety such that they are useful as drug delivery and molecular imaging devices. The surface modifying moiety may target the nanoparticles to a desired target cell tissue or biomarker.

No. of Pages : 70 No. of Claims : 26

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SOLAR THERMAL POWER PLANT | | | |
|---|--|---|--|
| (54) Title of the invention : SOLA (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :F01K3/12,F03G6/06,F22B1/00 :11166996.6 :20/05/2011 :EPO :PCT/EP2012/058970 :15/05/2012 | (71)Name of Applicant : 1)ALSTOM TECHNOLOGY LTD Address of Applicant :Brown Boveri Strasse 7 CH 5400 Baden Switzerland (72)Name of Inventor : 1)AGA Vipluv 2)SIMIANO Marco 3)BOSCHEK Erik | |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | | |

(57) Abstract :

A solar thermal power plant 20 comprises a solar radiation receiver 28 mounted on a tower 22 surrounded by a heliostat field 24 to receive solar radiation reflected by heliostats 26 forming the heliostat field 24. The power plant 20 comprises a power generation circuit 30 including a steam turbine for driving an electrical generator to produce electrical power and water in the power generation circuit 30 is capable of being heated directly by solar radiation reflected onto the solar radiation receiver 28 by the heliostat field 24 to generate steam to drive the steam turbine. The power plant 20 also comprises an energy storage circuit 36 including a thermal energy storage fluid such as molten salt which is capable of being heated directly by solar radiation reflected by the heliostat field 24. A heat exchanger 44 is also provided for recovering thermal energy from the thermal energy storage fluid in the energy storage circuit 36; the recovered thermal energy may then be used to generate steam to drive the steam turbine.

No. of Pages : 23 No. of Claims : 15

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : TRITYLATED ETHERS

(57) Abstract :

A compound having formula (PhC)Ar(OR) wherein Ph represents a phenyl group Ar is an aromatic ring system having from six to twenty carbon atoms R is C C alkyl or C C aralkyl m is one or two and n is an integer from one to four.

No. of Pages : 15 No. of Claims : 10

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR CLEANING AND STRIPPING A TURBOSHAFT ENGINE BLADE USING A PULSED LASER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :F01D5/00,F01D5/28,F01D25/00 :1153733 :02/05/2011 :France :PCT/FR2012/050972 :02/05/2012 | (71)Name of Applicant : 1)SNECMA Address of Applicant :Socit Anonyme 2 Boulevard du Gnral Martial Valin F 75015 Paris France (72)Name of Inventor : 1)HUGOT Juliette 2)BOURDIN Franck |
|---|---|---|
| (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 | 3)FEVRIER Thierry 4)GESTIN Jr´me |

(57) Abstract :

A method for cleaning a turboshaft engine blade (1) comprising a superalloy body covered with a coating, in which the coating of the blade (1) is at least partially machined using a pulsed laser (3), at least the feed rate of the pulsed laser (3) and the pulse frequency of the pulsed laser (3) being parameterised such that the machined surface of the blade (1) has a 10 roughness of 4 pm to 10 pm.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONTACT MATERIAL FOR VACUUMINTERRUPTER AND METHOD OF MAKING A CONTACT MATERIAL

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :H01H1/02,C22C1/04,C22C27/06 :11004375.9 :27/05/2011 :EPO :PCT/EP2012/002250 :25/05/2012 :WO 2012/163509 :NA :NA | (71)Name of Applicant : 1)ABB TECHNOLOGY AG Address of Applicant :Affolternstrasse 44 CH 8050 Zurich Switzerland (72)Name of Inventor : 1)SIMON Reinhard 2)GENTSCH Dietmar |
|--|--|--|
| Application Number Filing Date | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Contact material for vacuum interrupter and method of making a contact material. In order to being enabled in a precise control of the Si concentration of Cu/Cr contact materials contact material has a chromium content which is above 10 wt.% and that the material is doped with silicon below 0 2 wt.% (2000 ppm Si) and the remainder is copper Cu.

No. of Pages : 22 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H04W24/10 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/523278 | 1)INTERDIGITAL PATENT HOLDINGS INC. |
| (32) Priority Date | :12/08/2011 | Address of Applicant :200 Bellevue Parkway Suite 300 |
| (33) Name of priority country | :U.S.A. | Wilmington DE 19809 U.S.A. |
| (86) International Application No | :PCT/US2012/050459 | (72)Name of Inventor : |
| Filing Date | :10/08/2012 | 1)LEE Moon il |
| (87) International Publication No | :WO 2013/025558 | 2)MARINIER Paul |
| (61) Patent of Addition to Application | :NA | 3)NAYEB NAZAR Shahrokh |
| Number | :NA :NA | 4)TSAI Allan Y. |
| Filing Date | .NA | 5)ZHANG Guodong |
| (62) Divisional to Application Number | :NA | 6)TOOHER J. Patrick |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : INTERFERENCE MEASUREMENT IN WIRELESS NETWORKS

(57) Abstract :

Embodiments contemplate methods systems and apparatuses for interference measurement in a wireless communication networks the employ MIMO in uplink and/or downlink communication. Embodiments contemplate identifying one or more interference measurement resource elements that may be received from one or more transmission points. Embodiments also contemplate performing interference measurement estimation based at least in part on the identified one or more interference measurement resource elements. Channel state information (CSI) perhaps in the form of reports may be generated based at least in part on the one or more interference measurement estimation. Embodiments also contemplate that the CSI report may be transmitted to one or more nodes. In some embodiments the one or more interference measurement resource elements may be received as part of a set of resource elements.

No. of Pages : 89 No. of Claims : 16

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : FURNACE WALL STRUCTURE OF MOLTEN METAL CONTAINER AND METHOD FOR CONSTRUCTING FURNACE WALL OF MOLTEN METAL CONTAINER

| (51) International classification(31) Priority Document No | :F27D1/00,C04B35/043 :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL |
|---|-----------------------------|---|
| (32) Priority Date | :NA | CORPORATION |
| (33) Name of priority country | :NA | Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku |
| (86) International Application No | :PCT/JP2012/058136 | Tokyo 1008071 Japan |
| Filing Date | :28/03/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/145152 | 1)UMEDA Shingo |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 2)KISHIGAMI Teruhisa 3)KONDO Masaaki 4)SATOYOSHI Yasunori |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

In this furnace wall structure of a molten metal vessel, in a case that a thickness of a furnace wall except a shell when the furnace wall is seen in a vertical cross-sectional view is set to be T (mm), a heat insulation material with a thermal conductivity of not less than 0.01 W/(mK) and not more than 0.15 W/(mK) in a range of 25°C to 300°C, with a mehing point of not less than 1000°C and not more than 1400°C, and with a thickness of not less than 2 mm and not more than 10 mm is arranged in a range in a thickness direction between a position not less than 0.75xT (mm) and not more than 0.92xT from an interior surface of the magnesia carbon refractory toward the shell.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : OILY GEL COMPOSITION (51) International classification :A61K8/55,A61K8/31,A61K8/37 (71)Name of Applicant : (31) Priority Document No **1)DAICEL CORPORATION** :2011122998 Address of Applicant :3 4 5 Umeda Kita ku Osaka shi Osaka (32) Priority Date :01/06/2011 (33) Name of priority country 5300001 Japan :Japan (86) International Application 2)NIHON UNIVERSITY :PCT/JP2012/062488 (72)Name of Inventor : No :16/05/2012 Filing Date 1)SAKANISHI Yuichi (87) International Publication No:WO 2012/165145 2)HASHIZAKI Kaname (61) Patent of Addition to **3)SAITO Yoshihiro** :NA Application Number 4) TAGUCHI Hiroyuki :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

Provided is a gel-forming agent that is easy to prepare and has all the properties including high safety for the living body and the environment, satisfactory gel-forming capability, comfortable feeling upon use, and good handleability. The gel-forming agent includes a lecithin, and a polyglycerol fatty acid ester in an amount of from 30 to 150 parts by weight per 100 parts by weight of the lecithin. The polyglycerol fatty acid ester has a fatty acid residue having 14 or less carbon atoms, has an HLB of 15 or more as determined based on an organic conceptual diagram, and has a degree of glycerol polymerization of from 8 to 40.

No. of Pages : 33 No. of Claims : 3

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : INLET VALVE FOR A FLUID PUMP AND ASSEMBLY METHOD FOR AN INLET VALVE FOR A FLUID PUMP

(57) Abstract :

The invention relates to an inlet valve (101) for a fluid pump comprising a movably supported tappet (103) for closing a fluid inlet opening and an actuator (105) for moving the tappet (103) wherein the actuator (105) and the tappet (103) are formed separately from each other and can be coupled to one another by means of a coupling element (107) for transmitting an actuator driving force to the tappet (103). The invention further relates to an assembly method for an inlet valve (101).

No. of Pages : 41 No. of Claims : 8

(21) Application No.1011/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

| | | I |
|--|---------------------|--|
| | | |
| (51) International classification | :D21H19/38,C09C1/00 | (71)Name of Applicant : |
| (31) Priority Document No | :13/206214 | 1)CRISTAL USA INC. |
| (32) Priority Date | :09/08/2011 | Address of Applicant :20 Wight Avenue Suite 100 Hunt |
| (33) Name of priority country | :U.S.A. | Valley MD 21030 U.S.A. |
| (86) International Application No | :PCT/US2012/050069 | (72)Name of Inventor : |
| Filing Date | :09/08/2012 | 1)BURNISTON Neil |
| (87) International Publication No | :WO 2013/023018 | 2)BURNISTON Robert |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 (| | 1 |

(54) Title of the invention : PIGMENT FOR PAPER AND PAPER LAMINATE

(57) Abstract :

A pigment mixture comprising (a) pigment particles (b) colloidal spacer particles dispersed on surfaces of the pigment particles and (c) carrier particles wherein the pigment particles with colloidal spacer particles are dispersed on surfaces of the carrier particles. A pigment mixture of titanium dioxide pigment particles having colloidal silica spacer particles on surfaces of the titanium dioxide the titanium dioxide and colloidal silica attached to surfaces of diatomaceous earth carrier particles provides improved optical efficiency of the pigment and improved retention in a paper fiber matrix.

No. of Pages : 24 No. of Claims : 22

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : RELEASABLE CONNECTION BETWEEN A HANDLE AND A PAN AND A PAN WITH SAID CONNECTION

| (51) International classification | :A47J45/07 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :MI2011A000841 | 1)GBB SRL |
| (32) Priority Date | :13/05/2011 | Address of Applicant : Via San Lorenzo 141 I 20824 Lazzate |
| (33) Name of priority country | :Italy | (MB) Italy |
| (86) International Application No | :PCT/IB2011/053690 | (72)Name of Inventor : |
| Filing Date | :23/08/2011 | 1)BOGANI Giuseppe |
| (87) International Publication No | :WO 2012/156787 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 | | |

(57) Abstract :

A releasable connection between a pan and a handle comprises a bracket which is provided with a hole (16) and intended to project laterally from the body of the pan and an engaging mechanism which is intended to be arranged on the handle and which comprises an engaging tooth (17) which is inserted into said hole (16) and a cam element (19) which is rotatable into a locked position for pushing with a first cam surface (23) against a corresponding edge (15) of the said hole (16) so as to clamp a part (21) of the bracket (11) between the first said cam surface (23) and a facing projecting part (20) of the engaging mechanism. A strip (23) allowing sliding of the cam and pressing against the edge of the hole is arranged between the said first cam surface (23) and the corresponding edge (15) of the hole. Advantageously the bracket may be made as one piece with an aluminium pan.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : AIR CONDITIONING SYSTEM FOR AN AIRCRAFT PASSENGER COMPARTMENT

| (51) International classification | :B64D13/08,B64D13/06 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :1154693 | 1)TURBOMECA |
| (32) Priority Date | :30/05/2011 | Address of Applicant :F 64511 Bordes France |
| (33) Name of priority country | :France | (72)Name of Inventor : |
| (86) International Application No | :PCT/FR2012/051196 | 1)HOUSSAYE Laurent |
| Filing Date | :29/05/2012 | 2)MINEL Laurent |
| (87) International Publication No | :WO 2012/164214 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| 11 | | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

An air conditioning system for an aircraft passenger compartment (1), the system including an air supply circuit connecting at least one external air inlet (E) to at least one air distribution outlet (S) which opens into the compartment (1), an auxiliary power unit (4) mounted in said supply circuit and arranged so as to compress an air stream in the supply circuit, the supply circuit including a heating first branch (B1) which connects the auxiliary power unit (4) to the air distribution outlet (S), and in which heating means (6) are mounted, a cooling second branch (B2) which connects the auxiliary power unit (4) to the air distribution outlet (S), and switching means (83-86) which are adapted so as to distribute the air stream between the heating first branch (B1) and the cooling second branch (82).

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMMUNICATION DEVICE COMMUNICATION SYSTEM AND COMMUNICATION METHOD

| (51) International classification | :H04W88/06,H03J9/02,H04M11/00 | (71)Name of Applicant : 1)Yokogawa Electric Corporation |
|---|-----------------------------------|--|
| (31) Priority Document No | :2011150997 | Address of Applicant :9 32 Naka cho 2 chome Musashino shi |
| (32) Priority Date | :07/07/2011 | Tokyo 1808750 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/JP2012/067331 :06/07/2012 | 1)CHEN Hua Jun |
| (87) International Publication No | :WO 2013/005832 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A communication device, in which the OSI reference model physical layer and data-link layer perform wireless communication via at least one of a first wireless 5 network conforming to a first wireless communication standard, may include an identification control unit, provided in the data-link layer, that identifies that data, which is received in the physical layer, based on the identification information included in the data, is to be transmitted via either the first wireless network or the second wireless 10 network, the identification control unit controlling so as to transmit, based on the identification result, the data via the first wireless network or the second wireless network.

No. of Pages : 45 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :B65D81/34 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :PCT/US2011/038583 | 1)NESTEC S.A. |
| (32) Priority Date | :31/05/2011 | Address of Applicant : Av. Nestl 55 CH 1800 Vevey |
| (33) Name of priority country | :U.S.A. | Switzerland |
| (86) International Application No | :PCT/EP2012/059586 | (72)Name of Inventor : |
| Filing Date | :23/05/2012 | 1)ERLE Ulrich Johannes |
| (87) International Publication No | :WO 2012/163755 | |
| (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 : MICROWAVEABLE PACKAGES HAVING A COMPOSITE SUSCEPTOR

(57) Abstract :

Microwaveable packages having composite susceptors and methods for using same are provided. In a general embodiment composite susceptors for cooking microwaveable foods (12 14) in a microwave oven are provided. The composite susceptors may include for example a first layer that is a standard microwave susceptor (30) and a second layer (32) comprising mobile charges wherein the second layer is at least substantially metal free. The second layer comprising mobile charges can both shield the standard susceptor from microwaves and act as a conductor to increase the conductivity of the standard susceptor. The composite susceptors of the present disclosure provide improved surface heating patterns that are similar to surface heating patterns of conventional ovens while also providing the benefits of microwave cooking.

No. of Pages : 39 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification:G01N21/00(71)Name of Applicant :(31) Priority Document No:11305744.21)CORNING INCORPORT | |
|---|-----------------------------------|
| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (9) Address of Application (9) Address of Application (9) Address of Application (12/06/2012 (13/06/2012 (13/06/2012< | Riverfront Plaza Corning New York |
| (62) Divisional to Application Number :NA Filing Date :NA | |

(54) Title of the invention : HYBRID MICROFLUIDIC ASSEMBLIES

(57) Abstract :

Embodiments of hybrid microfluidic assemblies comprise at least one microstructure that is formed of transparent material and is substantially free of non transparent material and further comprise at least one microstructure that is formed of non transparent material and is substantially free of transparent material.

No. of Pages : 23 No. of Claims : 20

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : KEY PULLEY SEGMENT FEATURES SEGMENT STACK CONFIGURATION AND CAM AND ROLLER DESIGN AND ACTUATION IN A SYNCHRONIZED SEGMENTALLY INTERCHANGING PULLEY TRANSMISSION SYSTEM

| | (71)Name of Applicant : 1)1783590 ONTARIO LTD. D/B/A INMOTIVE Address of Applicant :101 College St. Suite 215 The MaRS Centre Toronto Ontario M5G 1L7 Canada (72)Name of Inventor : 1)WONG Anthony 2)BOTTERO Paul 3)DOYLE Michael |
|--|--|
|--|--|

(57) Abstract :

A key pulley segment in a synchronized segmentally interchanging pulley transmission system is either first or last in a pulley segment set to engage an endless member. The first or last key segment teeth to engage or disengage respectively are shortened or completely trimmed and the adjacent pulley segment to the key segment is elongated such that the inward portion of the tooth profile extends toward the key segment. Shortened tooth or teeth and an elongated adjacent segment together allow for many pulley segments to be designed as key segments. Completely trimmed teeth may be engineered to create a supporting surface for the endless member on the key segment. The elongated adjacent segment may have an extending portion which slidably mates with the supporting surface of the key segment thereby receiving radial support therefrom. Multiple pulley segments from different pulley segment sets may be connected or constructed to move together in a unified stack and may be staggered such that any one segment may be in an engaging position with the endless member when the unified stack is moved along the axis of rotation. Unified stacks may have guiding rails on both inner and outer radial surfaces and the pulley assembly may have mating features that receive such guiding rails. Any number of the pulley segments in a unified stack may be key pulley segments. Pulley segments of a stack may be vertically separated into one or more unified stacks. Unified stacks may be moved by way of a cam or roller cam system where each unified stack has a slidably or ratably attached roller and roller arm. Chassis mounted cams engage the rollers outside of the contact zone rollers and roller arms are moved into and out of engagement with the cams and individual segments of a unified stack are moved into or out of engagement. Rollers may be actuated into and out of engagement by electromagnets fixably mounted in an array. Rollers may discretely engage with multiple cams by way of several electromagnet arrays and thereby complete several stack axial motions. Electromagnets in an array may be selectively energized to move selected rollers to an active position in order to effect key pulley segment engagement stack axial movement and transition.

No. of Pages : 35 No. of Claims : 11

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS AND METHOD FOR CONNECTING MULTIPLE VOLTAGE ONBOARD POWER SUPPLY 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 (62) Divisional to Application Number Filing Date | :H02J1/00 :10 2011 077 704.0 :17/06/2011 :Germany :PCT/EP2012/059583 :23/05/2012 :WO 2012/171766 :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)WALENTA Sebastian 2)PISCHKE Ulf 3)DRAESE Nils |
|---|--|---|
|---|--|---|

(57) Abstract :

An apparatus and a method are proposed for connecting multiple-voltage onboard power supply systems, wherein the apparatus comprises at least one DC/DC voltage converter (10) which can couple a first onboard power supply system (12) having a first onboard power supply system voltage (Ul) to a second onboard power supply system (14) having a second onboard power supply system voltage (U2), wherein besides the DC/DC voltage converter (10) at least one charging means (18) is provided for increasing the second onboard power supply system voltage (U2).

No. of Pages : 23 No. of Claims : 15

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR GENERATING AT LEAST ONE THROUGH HOLE AND DEVICE FOR CARRYING OUT SUCH A 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 (57) Abstract : | :B23K26/38,B23K26/18,F02M61/16 :10 2011 078 651.1 :05/07/2011 :Germany :PCT/EP2012/061588 :18/06/2012 ⁿ :WO 2013/004475 :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)BAUER Thorsten 2)KOENIG Jens |
|---|---|---|
|---|---|---|

(57) Abstract :

The invention relates to a method for generating at least one through-hole (3, 4) in a wall of a workpiece (2) bounding a hollow space (12) of the workpiece (2), said method using a laser beam (7) directed onto the wall (9) from the exterior. A paste-like protective agent (13) is thereby introduced into the hollow space of the workpiece (2). The paste-like protective agent (13) is applied in an extension (10) of the laser beam (7) guided through the throughhole (3) in front of a rear wall bounding the hollow space (12). Reliable protection of the rear wall (11) during laser drilling of the through-hole (3) is thereby ensured.

No. of Pages : 11 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :F01N3/20 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :102011077953.1 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :22/06/2011 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/059722 | (72)Name of Inventor : |
| Filing Date | :24/05/2012 | 1)GOTTWALD Frank |
| (87) International Publication No | :WO 2012/175282 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : INJECTION DEVICE

(57) Abstract :

The invention relates to a device for injecting a fluid (2), in particular into the exhaustgas section of an internal combustion engine, having a reservoir (4) for storing the fluid (2) to be injected; an injection and metering module (10); a pump (8) which is configured for conveying fluid (2) during operation out of the reservoir (4) to the injection and metering module (10); and a return line (16) which makes an outflow of fluid (2) out of the injection and metering module (10) possible, wherein a switchable throttling valve (14) which is suitable for pumping fluid out of the injection and metering module (10) is arranged in the return line (16).

No. of Pages : 15 No. of Claims : 10

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE AND METHOD FOR MEASURING THE PARTICLE CONCENTRATION IN AN AEROSOL

| (51) Internationalclassification(31) Priority Document No(32) Priority Date | :G01N21/15,G01N21/53,G01N15/06 :102011079769.6 :25/07/2011 | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany |
|--|--|--|
| (33) Name of priority country | :Germany | (72)Name of Inventor : 1)STENGEL Karl |
| (86) International Application No Filing Date | :PCT/EP2012/061323 :14/06/2012 | 2)MATTEUCCI Andrea 3)HAAGA Gerhard 4)NEUENDORF Michael |
| (87) International Publication No | :WO 2013/013882 | 5)STAIB Joerg |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A device (10) for measuring the particle concentration in an aerosol (22), with a flow tube (4) and a measurement chamber (12c), has a cavity (12) branching off from the flow tube (4) and a sleeve (14) arranged in said cavity (12), the sleeve comprising, at an end facing away from the flow tube (4), a collar (15) extending around the periphery of the sleeve (14) and fixed to the periphery of the cavity (12). At least one inflow opening (16) is formed in the collar, and an end of the sleeve (14) facing the flow tube (4), and the measurement chamber (12c) is formed in the cavity (12) on the side of the sleeve (14) facing away from the flow tube (4).

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

(19) INDIA

(22) Date of filing of Application :26/11/2013

(54) Title of the invention : WIPING DEVICE

(43) Publication Date : 30/01/2015

| (51) International classification | :B60S1/38 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2011 078 175.7 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :28/06/2011 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/059368 | (72)Name of Inventor : |
| Filing Date | :21/05/2012 | 1)HERINCKX Dirk |
| (87) International Publication No | :WO 2013/000627 | 2)DEPONDT Helmut |
| (61) Patent of Addition to Application | :NA | 3)BEX Koen |
| Number | :NA :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | l. |

(57) Abstract :

A wiping device, in particular a wiping device for a motor vehicle pane, comprising a wiper blade adapter (12a; 12b). According to the invention, the wiper blade adapter (12a; 12b) comprises a pivot bearing (26a; 26b) that is designed to pivotally mount a spring element (20a; 20b).

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

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : INTERFACE BETWEEN RESTFUL WEB SERVICES AND PACKET SWITCHED NETWORKS FOR TEXT MESSAGING

| (51) International classification | :H04W4/14,H04L29/08 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :13/160658 | 1)ALCATEL LUCENT |
| (32) Priority Date | :15/06/2011 | Address of Applicant :3 avenue Octave Grard 75007 Paris |
| (33) Name of priority country | :U.S.A. | France |
| (86) International Application No | :PCT/US2012/039052 | (72)Name of Inventor : |
| Filing Date | :23/05/2012 | 1)CAI Yigang |
| (87) International Publication No | :WO 2012/173752 | 2)SHANKER Gyan |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| 8 | 214 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

Systems and methods are disclosed for interfacing RESTful web applications with packet switched networks for text messaging. One embodiment comprises a system that handles a Mobile Terminated (MT) text message from a web application to a packet switched network. The system receives a RESTful send operation for sending the MT text message from the web application. The system converts the RESTful send operation for the MT text message to a send request that is based on a signaling protocol used by the packet switched network such as SIP SMPP or MAP. The system then transmits the send request for the MT text message to the packet switched network for delivery of the MT text message to a recipient.

No. of Pages : 32 No. of Claims : 10

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PAPAYA MOSAIC VIRUS COMPOSITIONS AND USES THEREOF FOR STIMULATION OF THE INNATE IMMUNE RESPONSE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :A61K39/39,A61K9/72,A61P31/00 :61/485955 :13/05/2011 :U.S.A. :PCT/CA2012/050278 :01/05/2012 | (71)Name of Applicant : 1)FOLIA BIOTECH INC. Address of Applicant :2750 rue Einstein Suite 330 Qubec Qubec G1P 4R1 Canada (72)Name of Inventor : 1)LECLERC Denis 2)LAMARRE Alain |
|--|--|---|
| Filing Date (87) International Publication No | :WO 2012/155261 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The use of compositions comprising a papaya mosaic virus (PapMV) moiety for stimulation of the innate immune response is provided. The PapMV moiety may be papaya mosaic virus or PapMV virus like particles (VLPs). The PapMV compositions stimulate a sufficiently strong innate immune response to provide protection against subsequent pathogen challenge or to treat an established infection. The use of PapMV compositions to protect a subject from potential infection by a pathogen such as a viral pathogen a bacterial pathogen or a fungal pathogen and the use of PapMV compositions to treat an established infection are also provided. The PapMV compositions be administered for example via intranasal or pulmonary routes to elicit effects within the mucosa and/or in the respiratory system.

No. of Pages : 105 No. of Claims : 69

(21) Application No.10172/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :A61K38/17,A61P3/10 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :61/489781 | 1)AMYLIN PHARMACEUTICALS LLC |
| (32) Priority Date | :25/05/2011 | Address of Applicant :9360 Towne Centre Drive San Diego |
| (33) Name of priority country | :U.S.A. | California 92121 U.S.A. |
| (86) International Application No | :PCT/US2012/039431 | 2)ASTRAZENECA PHARMACEUTICALS LP |
| Filing Date | :24/05/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/162542 | 1)SUN Chengzao |
| (61) Patent of Addition to Application | :NA | 2)SAMANT Manoj P. |
| Number | :NA :NA | 3)NERAVETLA Swetha |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : AMYLIN PEPTIDES AND DERIVATIVES AND USES THEREOF

(57) Abstract :

There are provided polypeptide conjugates having enhanced duration of biological activity and methods of use thereof. The polypeptide conjugates include duration enhancing moieties including water soluble polymers bound to the polypeptide components of defined sequence. Methods of use are provided for treatment of metabolic disorders. Methods of use are provided for treatment of an eating disorder insulin resistance obesity overweight abnormal postprandial hyperglycemia Type I diabetes Type II diabetes metabolic syndrome dumping syndrome hypertension dyslipidemia cardiovascular disease hyperlipidemia sleep apnea cancer pulmonary hypertension cholescystitis osteoarthritis or short bowel syndrome.

No. of Pages : 97 No. of Claims : 11

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : VEHICLE CONTROL 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 | :NA :NA :PCT/JP2011/063571 :14/06/2011 :WO 2012/172639 :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)HIGA Mitsuaki 2)FUKUSHIRO Eiji 3)YAMAGUCHI Katsuhiko |
|--|--|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

A hybrid vehicle outputs creep torque by output torque of a second MG (30). A creep control unit (152) controls creep torque when an accelerator pedal is not operated. The creep control unit (152) controls a creep cut amount defined by a decrement of creep torque when the brake pedal is operated relative to creep torque when the brake pedal is not operated such that the creep cut amount when reverse 10 rurning is selected is smaller than the creep cut amount when forward running is selected.

No. of Pages : 38 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : HENDRA AND NIPAH VIRUS G GLYCOPROTEIN IMMUNOGENIC COMPOSITIONS (51) International classification :A61K39/155 (71)Name of Applicant : (31) Priority Document No 1)ZOETIS LLC :61/485992 (32) Priority Date Address of Applicant :235 East 42nd Street New York NY :13/05/2011 (33) Name of priority country :U.S.A. 10017 U.S.A. (86) International Application No :PCT/US2012/037839 2)HENRY M. JACKSON FOUNDATION FOR THE Filing Date :14/05/2012 ADVANCEMENT OF MILITARY MEDICINE INC. (87) International Publication No (72)Name of Inventor : :WO 2012/158643 (61) Patent of Addition to Application **1)ELHAY Martin** :NA Number 2)BRODER Christopher C. :NA Filing Date 3)HUANG Jin Ao (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Immunogenic compositions directed against Hendra and/or Nipah viruses and methods of its use are provided. In addition methods of distinguishing subjects vaccinated with the immunogenic compositions of the invention from those infected with Hendra and/or Nipah virus are provided.

No. of Pages : 74 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SEAT STRUCTURAL MEMBER AND VEHICLE SEAT 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 | :B60R21/207,A47C7/46,B60N2/42 :NA :NA :NA :PCT/JP2011/061456 :18/05/2011 :WO 2012/157099 | (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)AWATA Shinji 2)KOBAYASHI Hideki 3)MORI Hisaya |
|--|--|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

A seat configuration member and a vehicle seat employing the seat configuration member are provided that are capable of covering reclining mechanism components and maintaining a high quality external appearance of the vehicle seat, and are moreover capable of achieving a reduction in the number of components. A lower side coupling and fixing portion (50) disposed on a seat width direction outer side of a seat back board (16) that is made from resin is integrally formed with an attachment portion (102) that is L-shaped in plan view. A side airbag device (100) is attached to a horizontal wall portion (122) of the attachment portion (102). A seatback pad and a cover are mounted to the seat back board (16) configured as described above, and the seat back board (16) is assembled to side frames (26) of a seatback frame (14).

No. of Pages : 37 No. of Claims : 10

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD AND A LIQUID TAP DEVICE FOR RETAINING THE TEMPERATURE OF A LIQUID IN A LIQUID DISTRIBUTION SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :F24D17/00,E03B1/04,E03C1/02 :11503729 :28/04/2011 :Sweden :PCT/SE2012/050445 :27/04/2012 | (71)Name of Applicant : 1)3EFLOW AB Address of Applicant :Aurorum Science Park 1C S 977 75 Lule Sweden (72)Name of Inventor : 1)ABBING Erik |
|---|--|--|
| (87) International Publication No.(61) Patent of Addition to | o:WO 2012/148351 :NA | |
| Application Number Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method and a fluid tap device for retaining the temperature of a liquid in particular hot water in a liquid distribution system having at least one liquid conduit extending from a liquid source to a liquid tap. After completion of a tapping operation and replacing the liquid with gas in the liquid conduit the refilling of liquid in the liquid conduit is performed in three steps: a first step initiated by said liquid tap being activated the activation of the liquid tap causing a change of a physical variable which propagates backwards along said liquid conduit and initiates a second step said second step involving refilling the liquid passage in said liquid tap and a third step initiated when the liquid reaches said liquid tap involving opening of said liquid passage and permitting the liquid to flow out via said liquid tap.

No. of Pages : 36 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : RETENTION OF PBO IN POLYMER MATRICES BY PHTALOCYANINES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A01N25/10,A01N25/34 :NA :NA :NA :PCT/DK2011/050149 :02/05/2011 :WO 2012/149934 :NA :NA :NA :NA | (71)Name of Applicant : 1)VESTERGAARD FRANDSEN SA Address of Applicant :Chemin Messidor 5 7 CH 1006 Lausanne Switzerland (72)Name of Inventor : 1)VESTERGAARD FRANDSEN Mikkel 2)GOUIN Sebastien 3)HOANG Huyen Thanh 4)ZELLWEGER Matthieu |
|---|---|--|
|---|---|--|

(57) Abstract :

By incorporating PBO and phtalocyanine in a polymeric matrix the surface concentration of the PBO after migration to the surface is reduced relatively to a matrix without phtalocyanine. This can be used to control the migration of PBO and retain PBO for a long lasting effect.

No. of Pages : 18 No. of Claims : 29

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : STABLE COMPOSITIONS AND METHODS FOR PREPARING 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 | :C07F7/00,A61K8/19,A61Q11/00 :NA :NA :NA :PCT/EP2011/065681 :09/09/2011 :WO 2013/034196 :NA :NA :NA | (71)Name of Applicant : 1)GABA INTERNATIONAL HOLDING AG Address of Applicant :Grabetsmattweg CH 4106 Therwil Switzerland (72)Name of Inventor : 1)CERESA Alan Carlo 2)HECKENDORN Ren 3)MANNS Madeleine |
|--|--|---|
| Number Filing Date | :NA :NA | |

(57) Abstract :

Described herein are stable aqueous stannous ion containing compositions and methods of preparing and using the same.

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

(21) Application No.10180/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :G06F15/02 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :2011134258 | 1)CASIO COMPUTER CO. LTD. |
| (32) Priority Date | :16/06/2011 | Address of Applicant :6 2 Hon machi 1 chome Shibuya ku |
| (33) Name of priority country | :Japan | Tokyo 1518543 Japan |
| (86) International Application No | :PCT/JP2011/070265 | (72)Name of Inventor : |
| Filing Date | :06/09/2011 | 1)ARIKAWA Kazuhiko |
| (87) International Publication No | :WO 2012/172698 | |
| (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 : ELECTRONIC CALCULATOR AND CONTROL METHOD

(57) Abstract :

An electronic calculator includes first and second display sections, a conversion rate storage unit configured to store a plurality of conversion rates, a conversion rate 5 display unit configured to call the plurality of conversion rates in sequence from the conversion rate storage unit and display the conversion rates on the second display section, a numerical value display unit configured to display a numerical value on the first display section according to a 10 user operation, and a numerical value conversion unit configured to a conversion transition designated by a user operation, based on a conversion rate displayed 15 on the second display section by the conversion rate display unit. Thus, a user can display a conversion rate on the second display section and designate a conversion transition by key operation and perform a conversion process while confirming the conversion rate.

No. of Pages : 40 No. of Claims : 5

(21) Application No.10012/DELNP/2013 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification | :H01J37/32 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :11/53587 | 1)SAIREM SOCIETE POUR LAPPLICATION |
| (32) Priority Date | :27/04/2011 | INDUSTRIELLE DE LA RECHERCHE EN |
| (33) Name of priority country | :France | ELECTRONIQUE ET MICRO ONDES |
| (86) International Application No | :PCT/FR2012/050903 | Address of Applicant :12 porte du Grand Lyon NEYRON F |
| Filing Date | :25/04/2012 | 01700 Miribel France |
| (87) International Publication No | :WO 2012/146870 | (72)Name of Inventor : |
| (61) Patent of Addition to Application | :NA | 1)GRANDEMENGE Adrien |
| Number | :NA | 2)JACOMINO Jean Marie |
| Filing Date | .INA | 3)RADOIU Marilena |
| (62) Divisional to Application Number | :NA | 4)LATRASSE Louis |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : FACILITY FOR MICROWAVE TREATMENT OF A LOAD

(57) Abstract :

The invention relates to a facility (1) for microwave treatment of a load, including: at least one application device (30); at least one solid-state generator (4) in the field of microwaves, connected to at least one application device by a means for gui - ding (5) the electromagnetic wave; at least one frequency adjustment system (40) designed for adjusting the frequency of the wave produced by the corresponding generator (4); a measurement system (3 1) for the or each application device (30), designed for measuring the power reflected P by the application device (30); an automated control means (6) connected to each frequency adjust ment system (40) and to each measurement system (31) in order to control the adjustment of the frequency $\frac{3}{4}$ of the electromagnetic wave according to the reflected power, in order to adjust the reflected power R (i and/or to adjust the transmitted power P i .

No. of Pages : 53 No. of Claims : 24

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONTROL SYSTEM FOR WASTEWATER TREATMENT PLANTS WITH MEMBRANE BIOREACTORS

| (31) Priority Document No:61(32) Priority Date:13(33) Name of priority country:U(86) International Application No:PCFiling Date:12 | 1/496275 3/06/2011 J.S.A. CT/US2012/042047 2/06/2012 WO 2012/173988 JA JA | (71)Name of Applicant : 1)PRAXAIR TECHNOLOGY INC. Address of Applicant :39 Old Ridgebury Road Danbury CT 06810 U.S.A. (72)Name of Inventor : 1)NOVAK Richard A. 2)DE GRACIA Monica 3)URRUTICOECHEA Andoni 4)LARREA Asun 5)BILLINGHAM John F. |
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|--|--|--|

(57) Abstract :

An advanced control system for a membrane bioreactor based wastewater treatment plant is disclosed. The disclosed control system comprises a membrane bioreactor (MBR) system and a microprocessor based controller that receives signals corresponding to selected measured MBR parameters and calculates or estimates one or more MBR calculated parameters including Membrane Conductivity (Fxc); and/or Oxygen Uptake Rate (OUR). The microprocessor based controller compares one or more calculated or estimated MBR parameters to prescribed setpoints or desired ranges and governs one or more pumps and valves in the MBR system to adjust the cleaning cycle in the MBR system the MBR flows in the MBR system or the influent flow to the biological basin in response thereto.

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

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : BIPHENOL ETHER COMPOUNDS AS MARKERS FOR LIQUID HYDROCARBONS AND OTHER FUELS AND OILS

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | ¹ :PCT/US2012/044616 :28/06/2012 | (71)Name of Applicant : 1)ANGUS CHEMICAL COMPANY Address of Applicant :1500 East Lake Cook Road Buffalo Grove IL 60089 U.S.A. (72)Name of Inventor : 1)GREEN George D. 2)SWEDO Raymond |
|---|--|--|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/003573 :NA :NA :NA :NA | |

(57) Abstract :

A method for marking a petroleum hydrocarbon or a liquid biologically derived fuel by adding to the petroleum hydrocarbon or liquid biologically derived fuel at least one compound having formula (I) wherein R represents C C alkyl C C alkenyl or C C alkynyl.

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

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : BIPHENOL E | ETHER 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 | :C07C43/205 :61/502973 :30/06/2011 :U.S.A. :PCT/US2012/044551 :28/06/2012 :WO 2013/003538 :NA :NA | (71)Name of Applicant : 1)ANGUS CHEMICAL COMPANY Address of Applicant :1500 East Lake Cook Road Buffalo Grove IL 60089 U.S.A. (72)Name of Inventor : 1)GREEN George D. 2)SWEDO Raymond |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A compound having formula (I) wherein R represents C C alkyl C C cycloalkyl C C alkenyl or C C alkynyl; provided that when OR groups are in 2 2 positions on benzene rings in formula (I) R is not methyl ethyl hexyl octyl or allyl.

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

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR REDUCING IRON OXIDE TO METALLIC IRON USING COKE OVEN GAS AND OXYGEN STEELMAKING FURNACE 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 (62) Divisional to Application Number Filing Date | :C21B5/00 :13/107013 :13/05/2011 :U.S.A. :PCT/US2011/038040 :26/05/2011 :WO 2012/158178 :NA :NA :NA :NA | (71)Name of Applicant : MIDREX TECHNOLOGIES INC. Address of Applicant :2725 Water Ridge Parkway Suite 100 Charlotte NC 28217 U.S.A. (72)Name of Inventor : METIUS Gary E. McCLELLAND James M. Jr. MEISSNER David C. |
|---|---|--|
|---|---|--|

(57) Abstract :

A process for the direct reduction of iron ore when the external source of reductants is one or both of coke oven gas (COG) and basic oxygen furnace gas (BOFG). Carbon dioxide is removed from a mixture of shaft: furnace off gas obtained from a conventional direct reduction shaft: furnace and BOFG. This C02 lean gas is mixed with clean COG humidified and heated in an indirect heater. Oxygen is injected into the heated reducing gas. This hot reducing gas flows to the direct reduction shaft furnace for use. The spent hot reducing gas exits the direct reduction shaft furnace as shaft furnace off gas produces steam in a waste heat boiler cleaned in a cooler scrubber compressed and recycled to join fresh BOFG. A portion of the shaft furnace off gas is sent to the heater burners.

No. of Pages : 17 No. of Claims : 24

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : HIGH CORROSION RESISTANCE HOT DIP GALVANIZED STEEL PLATE HAVING HIGHLY UNIFORM APPEARANCE AND MANUFACTURING METHOD THEREFOR

| (31) Priority Document No (32) Priority Date (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 | :C23C2/02,C22C18/04,C23C2/06 :2011146572 :30/06/2011 :Japan :PCT/JP2012/066655 :29/06/2012 :WO 2013/002358 :NA :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor : 1)YASUI Takeshi 2)OOHASHI Tooru 3)KAWAZU Nayuta 4)TANAKA Satoru 5)SAITO Akio |
|---|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A high-corrosion-resistance hot-dip galvanized steel plate that has a highly uniform appearance. A plating laver con taining 4-22% aluminum, 1-6% magnesium, and 0.001-1% silicon by mass, with the remainder comprising zinc and unavoidable im purities, is formed on the surface of said steel plate. An Mg2Si phase and a calcium phase consisting primarily of calcium or a calci um compound exist at the interface between the aforementioned plating layer and the base steel plate. At least part of said Mg 2Si phase is precipitated on the calcium phase.

No. of Pages : 36 No. of Claims : 6

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : CATALYST FOR DECOMPOSITION OF SULFUR TRIOXIDE AND HYDROGEN PRODUCTION PROCESS

| (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/JP2012/063401 :18/05/2012 | (71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyotacho Toyota shi Aichi 4718571 Japan 2)NATIONAL UNIVERSITY CORPORATION KUMAMOTO UNIVERSITY (72)Name of Inventor : 1)TAKESHIMA Shinichi |
|--|-----------------------------------|--|
| No | :WO 2012/161290 | 2)MACHIDA Masato |
| (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 sulfur trioxide decomposition catalyst in particular a sulfur trioxide decomposition catalyst capable of lowering the temperature required when producing hydrogen by an S I cycle process. A sulfur trioxide decomposition catalyst comprising a composite oxide of tungsten vanadium and at least one metal selected from the group consisting of transition metal and rare earth elements is provided. Also a sulfur dioxide production process comprising decomposing sulfur trioxide into sulfur dioxide and oxygen by using the sulfur trioxide decomposition catalyst above is provided. Furthermore a hydrogen production process wherein the reaction of decomposing sulfur trioxide into sulfur dioxide and oxygen by an S I cycle process is performed by the above described sulfur dioxide production process is provided.

No. of Pages : 37 No. of Claims : 14

(21) Application No.10192/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :E04B1/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/486971 | 1)INTERNATIONAL SHELTER SOLUTIONS LLC |
| (32) Priority Date | :17/05/2011 | Address of Applicant :3884 South Turkeyfoot Road Akron OH |
| (33) Name of priority country | :U.S.A. | 44319 U.S.A. |
| (86) International Application No | :PCT/US2012/038352 | (72)Name of Inventor : |
| Filing Date | :17/05/2012 | 1)MILO Thomas Kevin |
| (87) International Publication No | :WO 2012/158918 | 2)MILO Angelina Lucia |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Ale stars at a | | l |

(54) Title of the invention : METHOD AND APPARATUS FOR BUILDING A STRUCTURE

(57) Abstract :

A shelter assembly has a frame having a plurality of tillable support members each having a hollow portion for receiving a filling material. The support members are configured to form a structure wherein the support members form walls of the structure. The shelter assembly has a plurality of columns which form corner posts of a structure and a plurality of walls which are removably attached to a pair of adjacent columns. The walls have support members to which at least one panel is attached. The support members are secured to a pair of adjacent columns via fasteners. An upper portion forms a roof of the structure wherein the columns are attached to coupling members of the upper portion.

No. of Pages : 53 No. of Claims : 44

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND APPARATUS FOR PRODUCING SYNTHESIS 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 | :C01B3/38,C01B13/02,B01J8/06 :13/179279 :08/07/2011 :U.S.A. :PCT/US2012/045515 :05/07/2012 | (71)Name of Applicant : 1)PRAXAIR TECHNOLOGY INC. Address of Applicant :39 Old Ridgebury Road Danbury CT 06810 U.S.A. (72)Name of Inventor : 1)KELLY Sean M. 2)KROMER Brian R. 3)LITWIN Michael M. |
|---|---|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 4)ROSEN Lee J. 5)CHRISTIE Gervase Maxwell 6)WILSON Jamie R. |
| (62) Divisional to Application Number Filing Date | :NA :NA | 7)KOSOWSKI Lawrence W. 8)ROBINSON Charles |

(57) Abstract :

A method and apparatus for producing a synthesis gas product having one or more oxygen transport membrane elements (2) thermally coupled to one or more catalytic reactors (3) such that heat generated from the oxygen transport membrane element supplies endothermic heating requirements for steam methane reforming reactions occurring within the catalytic reactor through radiation and convention heat transfer. A hydrogen containing stream (34) preferably containing no more than 20 percent methane is combusted within the oxygen transport membrane element to produce the heat and a heated combustion product stream (36). The heated combustion product stream (36) is combined with a reactant stream (38) to form a combined stream (40) that is subjected to the reforming within the catalytic reactor (3). The apparatus may include modules in which tubular membrane elements surround a central reactor tube.

No. of Pages : 44 No. of Claims : 15

| | | (21) Application No.10194/DELNP/2013 A | |
|---|--|---|--|
| (19) INDIA | | | |
| (22) Date of filing of Application :27/11/ | /2013 | (43) Publication Date : 30/01/2015 | |
| (54) Title of the invention : ROLLER | | | |
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B60B33/02,B60B33/00 :10 2011 051 068.0 :15/06/2011 :Germany :PCT/EP2012/060388 :01/06/2012 :WO 2012/171814 :NA :NA :NA | (71)Name of Applicant : 1)TENTE GMBH & CO. KG Address of Applicant :Herrlinghausen 75 42929 Wermelskirchen Germany (72)Name of Inventor : 1)HOFRICHTER G¹/₄nther 2)PLAUTZ Karl Heinz 3)HEIN Georg | |

(57) Abstract :

The invention relates to a roller (1) with preferably two wheels (2) and a locking device. An acting part (10) acts on the locking device for releasing or locking purposes and the acting part (10) can be moved by a drive. A transmission part (7) movement that is generated by the drive is transmitted onto the acting part via spring force in order to move the acting part (10) and a spring (8) is mounted on the transmission part. The aim of the invention is to provide a roller that allows a favorable structural design. This is achieved in that the transmission part (7) can pass through a support region that is formed on the acting part (10) for the spring (8) and/or the spring (9) and/or the pressure spring (44).

No. of Pages : 83 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : A WIND TUP | RBINE ROTOR | |
|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :F03D1/06 :1109412.5 :03/06/2011 :U.K. | (71)Name of Applicant : 1)BLADE DYNAMICS LIMITED Address of Applicant :Saunders Drive Cowes Isle Of Wight PO31 8HU U.K. (72)Name of Inventor : 1)HAYDEN Paul Trevor 2)WHILEY David Anthony |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A wind turbine rotor comprising a hub (1) from which a plurality of blades (2) project to a radius of at least 50 metres. Each blade comprising a hollow fairing supported by a central spar. Each blade has a thickness t at a radius r; characterised in that when r = 0.5R t > 0.3T where R is the radius of the blade and T is the thickness of the blade at the root end. By being thicker for a greater proportion of the blade the aerodynamic performance of this part of the blade is worse but this is more than compensated for as it allows better aerodynamic performance where it matters more namely at the outer part of the blade. It also allows larger blades to be provided.

No. of Pages : 21 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| :H01M8/10 | (71)Name of Applicant : |
|--------------------|--|
| :1109281.4 | 1)ITM POWER (RESEARCH) LIMITED |
| :02/06/2011 | Address of Applicant :22 Atlas Way Sheffield South |
| :U.K. | Yorkshire South Yorkshire S4 7QQ U.K. |
| :PCT/GB2012/051260 | (72)Name of Inventor : |
| :01/06/2012 | 1)MALCOLMSON Ryan |
| :WO 2012/164313 | 2)GREENHALGH Daniel |
| •NT A | |
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| .INA | |
| :NA | |
| :NA | |
| | :H01M8/10 :1109281.4 :02/06/2011 :U.K. :PCT/GB2012/051260 :01/06/2012 :WO 2012/164313 :NA :NA :NA |

(54) Title of the invention : HIGH WATER CONTENT MEMBRANES

(57) Abstract :

The present invention is a hydrophilic polymer which can be hydrated to form a hydrated hydrophilic polymer having a water content of at least 65% wherein water content is defined as [(mass of the hydrated hydrophilic polymer mass of the dry hydrophilic polymer] x 100. The hydrophilic polymer may be hydrated to form a hydrated hydrophilic polymer having a water content of at least 65%. The present invention also 10 provides MEAs and electrochemical cells and methods of forming same.

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

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(51) International classification :G06F3/041 (71)Name of Applicant : (31) Priority Document No 1) TENCENT TECHNOLOGY (SHENZHEN) COMPANY :201110300054.6 (32) Priority Date :28/09/2011 LIMITED (33) Name of priority country Address of Applicant :Room 403 East Block 2 SEG Park :China (86) International Application No :PCT/CN2012/081862 Zhenxing Road Futian District Shenzhen Guangdong 518044 Filing Date :24/09/2012 China (87) International Publication No :WO 2013/044776 (72)Name of Inventor : (61) Patent of Addition to Application 1)LI Lijuan :NA Number :NA Filing Date (62) Divisional to Application Number :NA

(54) Title of the invention : INTERACTION METHOD AND DEVICE IN TOUCH TERMINAL AND INTERACTION METHOD SERVER AND COMPUTER STORAGE MEDIUM IN NETWORK APPLICATION

(57) Abstract :

Filing Date

The invention relates to an interaction method and a device in a touch terminal and an interaction method a server and a computer storage medium in network application. The Interaction method in the touch terminal comprises steps of: acquiring touch event from a user; acquiring a slide track based on the continuous slide occurred by the touch event and obtaining a selected interaction object based on the slide track; triggering the selected interaction object to response the touch event based on the slide track. By means of obtaining selected interaction object and slide track based on touch event inputted by user and then realizing response of touch event by the slide track the interaction method and the device in the touch terminal and the interaction method the server and the storage medium can achieve interaction operations without operations like click selection twice confirmation etc. the complexity of operation is reduced effectively and the convenience of operation is improved.

:NA

No. of Pages : 27 No. of Claims : 25

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONTROLLED RELEASE SOLID DOSE FORMS

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | /519916 //06/2011 .S.A. CT/US2012/039152 5/05/2012 TO 2012/166474 A A A | (71)Name of Applicant : 1)FMC CORPORATION Address of Applicant :1735 Market Street Philadelphia PA 19103 U.S.A. (72)Name of Inventor : 1)SIEPMANN Juergen 2)CUPPOK Yvonne |
|--|---|---|
|--|---|---|

(57) Abstract :

The present invention is directed to a solid dose form comprising a film coating composition encapsulating a core, wherein: (i) the core comprises an active ingredient comprising at least one of a pharmaceutical, veterinary, or nutraceutical active ingredient; (ii) the film coating composition comprises ethylcellulose and guar gum, wherein the guar gum has an apparent viscosity $> 15 \, 1.0 \, \text{cps}$ at a shear rate of 50 s 1 in a 1% aqueous guar gum solution measured rotationally at 20°C after 1 minute equilibration us - ing a 6 cm acrylic cone (1°) on a cone -plate viscometer wherein the shear is ramped up linearly from 1 to 50 s 1 in 25 steps over 29 seconds; (iii) the dose form provides controlled release of the active ingredient; (iv) the guar gum is present in an amount greater than 5 wt% based on the weight of the guar gum and ethylcellulose; and (v) the dose form is ethanol resistant.

No. of Pages : 73 No. of Claims : 19

(21) Application No.1003/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SORBENT AND CHEMICAL REGENERATION OF DIALYSATE (51) International classification :A61M1/16,A61M1/28 (71)Name of Applicant : (31) Priority Document No 1)FRESENIUS MEDICAL CARE HOLDINGS INC. :61/524793 (32) Priority Date Address of Applicant :920 Winter Street Waltham MA 02451 :18/08/2011 (33) Name of priority country :U.S.A. 1457 U.S.A. (86) International Application No :PCT/US2012/051246 (72)Name of Inventor : 1)SANDFORD Harold F. Filing Date :17/08/2012 (87) International Publication No :WO 2013/025957 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention generally relates to systems and methods for the regeneration of spent dialysis solutions. The present invention further relates to systems and methods for continuously regenerating spent dialysis solution during dialysis. The present invention further relates to systems and methods for conducting dialysis that further include using chemical and physical separators in conjunction with ion exchange cartridges and/or adsorption cartridges.

No. of Pages : 29 No. of Claims : 20

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPRESSION BANDAGE FOR PLACING ON THE HUMAN OR ANIMAL BODY

| | 5 | (71)Name of Applicant : 1)KARL OTTO BRAUN GMBH & CO. KG Address of Applicant :Lauterstrae 50 67752 Wolfstein Germany (72)Name of Inventor : 1)JUNG Harald 2)KLOEPPELS Michael |
|---|-----------------|---|
| (87) International Publication No | :WO 2012/163616 | |
| (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 compression bandage for placing on the human or animal body comprising a planar sheet material (11) with a longitudinal direction (L) and a transverse direction (Q) and two transverse edges (11a 11b) lying opposite each other in the longitudinal direction (L) and two longitudinal edges lying opposite each other in the transverse direction (Q) wherein the sheet material (11) is made of a fabric with a warp (20) and a weft (30) system of threads wherein at least one of the thread systems (20 30) comprises elastic threads wherein the thread density in the warp and/or weft system of threads (20 30) is varied in the longitudinal direction (L) of the bandage (10) such that at least one portion (A B C) of the bandage (10) in the longitudinal direction (L) has a warp and/or weft thread density different than an adjacent portion.

No. of Pages : 18 No. of Claims : 10

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : LOCKABLE LOCKING DEVICE FOR A VEHICLE SEAT AND VEHICLE SEAT

| (51) International classification | :B60R25/00,B60N2/36 | (71)Name of Applicant : |
|--|---------------------|--|
| (31) Priority Document No | :10 2011 117 973.2 | 1)KEIPER GMBH & CO. KG |
| (32) Priority Date | :04/11/2011 | Address of Applicant :Hertelsbrunnenring 2 67657 |
| (33) Name of priority country | :Germany | Kaiserslautern Germany |
| (86) International Application No | :PCT/EP2012/004478 | (72)Name of Inventor : |
| Filing Date | :26/10/2012 | 1)MUELLER Peter |
| (87) International Publication No | :WO 2013/064227 | 2)HEIMANN Bernd |
| (61) Patent of Addition to Application | :NA | 3)YASAROGLU Kadir |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) A 1, stars at a | | • |

(57) Abstract :

The invention relates to a lockable locking device (1) for a vehicle seat (3), comprising an unlocking handle (42) for unlocking the locking device (1) and a locking cylinder (50) for locking the locking device (1), wherein the locking cylinder (50) is fastened to the unlocking handle (42). In this case, the unlocking handle (42) is substantially arranged within an unlocking housing (40) and is pivotable relative to the unlocking housing (40) about an unlocking axis (43), and the locking cylinder (50) is configured approximately in the shape of a cylinder, wherein the cylinder axis (54) thereof runs in a plane perpendicularly to the unlocking axis (43). The invention furthermore relates to a vehicle seat (3) with at least one locking device (1) according to the invention.

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

(19) INDIA

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

(54) Title of the invention · HEAT EXCHANGER

(43) Publication Date : 30/01/2015

| (34) The of the invention . TIEAT EXCI | in to En | |
|--|---------------------|---|
| | | |
| (51) International classification | :F28F9/02,F28D1/053 | (71)Name of Applicant : |
| (31) Priority Document No | :2011125391 | 1)SANDEN CORPORATION |
| (32) Priority Date | :03/06/2011 | Address of Applicant :20 Kotobuki cho Isesaki shi Gunma |
| (33) Name of priority country | :Japan | 3728502 Japan |
| (86) International Application No | :PCT/JP2012/063062 | (72)Name of Inventor : |
| Filing Date | :22/05/2012 | 1)TAKAHASHI Yuuki |
| (87) International Publication No | :WO 2012/165225 | 2)OHNO Takayuki |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A heat exchanger (1) is equipped with a heat exchange core part (8) formed by alternately arranging tubes (2) that form a refrigerant flow path and fins (4) that form a ventilation flow path and header tanks (10 12) to which each of the aforementioned tubes are connected at either end of the core part and which form spaces (14 16) that communicate with the refrigerant flow path. The header tanks have tank plates (18 20) which extend in the direction in which the tubes are arranged and which make contact with the upper inner surface and the lower inner surface of the header tanks partitioning the aforementioned spaces at prescribed partition locations (36) and reinforcing ribs (40 42) which expand toward the upper inner surface and the lower inner surface as the distance from the partition locations increases.

No. of Pages : 23 No. of Claims : 5

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SPHERICAL PARTICLES OF CLOPIDOGREL BISULFATE PHARMACEUTICAL COMPOSITION INCLUDING SAME 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 | :PCT/KR2011/008071 :27/10/2011 :WO 2013/008981 :NA :NA | (71)Name of Applicant : 1)SAMJIN PHARMACEUTICAL CO. LTD. Address of Applicant :338 8 Seogyo dong Mapo gu Seoul 121 836 Republic of Korea 2)ASTECH. CO. LTD. (72)Name of Inventor : 1)CHO Eui Hwan 2)SHIN Hee Jong 3)SONG Woo Heon 4)LEE Sun Hwan 5)YOON Jong Bae 6)PARK Jong Sung |
|---|--|---|
| (62) Divisional to Application Number Filing Date | ' :NA :NA | |

(57) Abstract :

The present invention relates to spherical particles of clopidogrel bisulfate and a pharmaceutical composition containing the same. The inventive spherical particles can be used for preparing a tablet having sufficient hardness through direct compression, by improving unformulable properties of clopidogrel bisulfate such as compressibility, flowability and strong surface electrostatic charges, reduce a problem in compressing tablets such as weight variation, sticking, etc., and the risk of form conversion, and improve physiochemical stability. Therefore, the spherical particles of the present invention may be used as therapeutics for arteriosclerosis, sttoke, myocardial infarction and atherosclerosis

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

| (12) PATENT APPLICATION PUBLICATION | |
|-------------------------------------|--|
| (19) INDIA | |

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : WINDBREAK 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 | :PCT/ES2011/000210 :24/06/2011 :WO 2012/175754 | (71)Name of Applicant : 1)ALLGLASS CONFORT SYSTEMS S.L. Address of Applicant :C/ Carril de Guetara 54 E 29004 Milaga Spain (72)Name of Inventor : 1)O'A GONZ LEZ Francisco 2)P‰REZ FALCN Jorge Luis |
|--|--|---|
| Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a windbreak system an addition to patent ES2010/000187 formed by: a set of independent panels that can be controlled individually by moving same longitudinally along an upper rail and a lower rail; and a folding door at one of the ends. Each panel and door comprise a rotation shaft and a folding shaft. The panels are moved manually without bearing on rollers and the entire weight of the panels rests on two strips of self lubricating polymer that are inserted into two slots in the lower rail. The upper and lower rails are identical and have a rectangular cross section and the panels are made from glass.

No. of Pages : 52 No. of Claims : 9

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL PROCESS FOR THE SYNTHESIS OF 7 CHLORO 4 (PIPERAZIN 1 YL) QUINOLINE

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C07D215/46 :11168792.7 :06/06/2011 :EPO :PCT/EP2012/060553 :05/06/2012 :WO 2012/168213 :NA :NA :NA :NA | (71)Name of Applicant : 1)SIGMA TAU INDUSTRIE FARMACEUTICHE RIUNITE S.P.A. Address of Applicant : Viale Shakespeare 47 I 00144 Rome Italy (72)Name of Inventor : 1)CABRI Walter 2)CASTAGNANI Roberto 3)ARMAROLI Silvia 4)QUATTROCIOCCHI Gianandrea 5)COLANGELI Vincenzo |
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(57) Abstract :

The present invention provides a new process of synthesis of a polymorph of 7 chloro 4 (piperazin 1 yl) quinoline of Formula I. Said quinoline compound is substantially pure of any impurities. The present invention further provides the use of the above mentioned polymorph of 7 chloro 4 (piperazin 1 yl) quinoline in the synthesis of piperaquine or one of its pharmaceutically acceptable salts.

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

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS FOR REPAIRING TISSUE DAMAGE USING PROTEASE RESISTANT MUTANTS OF STROMAL CELL DERIVED FACTOR 1

| (51) International classification | :A61K38/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/494079 | 1)PROVASCULON INC. |
| (32) Priority Date | :07/06/2011 | Address of Applicant :1 Broadway 14th Floor Cambridge MA |
| (33) Name of priority country | :U.S.A. | 02142 U.S.A. |
| (86) International Application No | :PCT/US2012/041054 | (72)Name of Inventor : |
| Filing Date | :06/06/2012 | 1)SANDRASAGRA Anthony |
| (87) International Publication No | :WO 2012/170495 | 2)WU Weitao |
| (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 features methods for treating or ameliorating tissue damage using intravenous administration of compositions that include stromal cell derived factor 1 (SDF 1) peptides or mutant SDF 1 peptides that have been mutated to make them resistant to protease digestion but which retain chemoattractant activity. Systemic delivery and specifically intravenous (IV) delivery of SDF 1 and protease resistant SDF 1 mutants is very effective for the treatment of tissue damage.

No. of Pages : 42 No. of Claims : 31

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONTROL DEVICE FOR INFORMATION PROCESSING DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application Na Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :21/06/2012 | (71)Name of Applicant : 1)NEC Infrontia Corporation Address of Applicant :2 6 1 Kitamikata Takatsu ku Kawasaki shi Kanagawa 2138511 Japan (72)Name of Inventor : 1)IWAMOTO Takahiro 2)HAGIWARA Natsuki |
|---|-------------|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

In control devices that are for information processing devices and that mount a power source and a motherboard as constituent elements in a chassis (casing frame) each constituent element has been connected by means of wiring and due to being affixed by screws attaching and removing has been laborious. The present invention obtains a control device that is for an information processing device and that is provided with a structure that of the constituent elements mounted in a chassis attaches at least the power source and the motherboard to the chassis without screws. The power source is provisionally affixed using a power source affixing support and tongue provided on a support plate and is affixed by a pressure plate after provisional affixing. On the other hand by being slid over the support plate the motherboard is connected to a connector attached to the chassis and affixed.

No. of Pages : 41 No. of Claims : 9

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE WITH CONTROLLER AND PUMP MODULES FOR PROVIDING NEGATIVE PRESSURE FOR WOUND THERAPY

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61M1/00 :61/489299 :24/05/2011 :U.S.A. :PCT/US2011/053707 :28/09/2011 :WO 2012/161723 :NA :NA :NA :NA | (71)Name of Applicant : 1)KALYPTO MEDICAL INC. Address of Applicant :1250 Northland Drive Mendota Heights MN 55120 U.S.A. (72)Name of Inventor : 1)BUAN John 2)CARLSON Alan 3)GELFMAN Daniel |
|---|---|---|
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(57) Abstract :

A device for use with a negative pressure bandage for supply negative pressure. The device includes a pump module and a controller module. The pump module contains a power source and a pump. The pump module is removably contained in the controller module. The pump module and controller module can be connected with a connector that provides both a physical and pneumatic connection. The controller module may include one of more visual indicators for allowing the status of the device to be observed at a distance.

No. of Pages : 18 No. of Claims : 19

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (54) Title of the invention : VERTEBRAL FIXATION 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 | | (71)Name of Applicant : I)IMPLANET SOCI‰T‰ ANONYME Address of Applicant :Alle F. Magendie Technopole Bordeaux Montesquieu F 33650 Martillac France (72)Name of Inventor : I)LE COU DIC Rgis BACCELLI Christian |

(57) Abstract :

The present invention relates to a vertebral fixation device (1) for holding a vertebra (V) on a rod (2) having a body (3) of U shaped or substantially U shaped cross section a flexible band (4 4) for connecting said vertebra to the fixation body which is provided with slits (17) for passage of the band and of means (M) for adjustably blocking the flexible band against the rod in the fixation body. The flexible band (4 4) comprises a loop (5 5) closed on itself and provided with a flexible lamella (6 6) which is able to form a guide for passage around the vertebra and into the fixation body.

No. of Pages : 21 No. of Claims : 12

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : FILMS AND MEMBRANES OF POLY(ARYL KETONES) AND METHODS OF CASTING THE SAME FROM SOLUTION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C08G65/48 :61/490844 :27/05/2011 :U.S.A. :PCT/US2012/037893 :15/05/2012 :WO 2012/166340 :NA :NA :NA :NA | (71)Name of Applicant : 1)ARKEMA INC. Address of Applicant :900 First Avenue King of Prussia Pennsylvania 19406 U.S.A. (72)Name of Inventor : 1)ROGER Christophe 2)GARCIA LEINER Manuel A. 3)LAFFITTE Jean Alex 4)BOYER Julie |
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(57) Abstract :

A method of manufacturing a film or membrane includes: (a) dissolving at least one polymer comprising a poly(aryl ketone) in at least one solvent to form a dope; (b) depositing the dope on a substrate to form a coated substrate at appropriate conditions; and (c) drying the coated substrate to form the film or membrane. The dope may also include additional polymers or fillers such as carbon nanotubes.

No. of Pages : 26 No. of Claims : 35

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SURGICAL | | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61B17/02,A61F2/46 :1115411.9 :07/09/2011 :U.K. | (71)Name of Applicant : 1)DEPUY (IRELAND) Address of Applicant :Loughbeg Ringaskiddy County Cork Ireland (72)Name of Inventor : 1)Rock Michael |

(57) Abstract :

An adjustable spacer instrument and method of use in a knee arthroplasty procedure are described. The instrument comprises a first member having a substantially planar upper surface and a second member having a substantially planar lower surface. An angular adjustment mechanism is interposed between the first and second members and is operable to adjust the degree of tilt between the upper surface and the lower surface and includes a releasable lock which can maintain the degree of tilt.

No. of Pages : 30 No. of Claims : 28

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS OF MODULATING MICRORNAS IN THE TREATMENT OF PULMONARY ARTERIAL HYPERTENSION

| (51) International classification (31) Priority 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 | :C12N15/113,A61K31/713,A61K31/712 :61/484091 :09/05/2011 :U.S.A. :PCT/GB2012/051018 :09/05/2012 :WO 2012/153135 to :NA :NA :NA :NA | (71)Name of Applicant : 1)THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW Address of Applicant :University Avenue Glasgow Scotland G12 8QQ U.K. 2)CAMBRIDGE ENTERPRISE LIMITED (72)Name of Inventor : 1)BAKER Andrew 2)MACLEAN Margaret 3)MORRELL Nicholas |
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(57) Abstract :

The present invention provides a method of treating or preventing pulmonary arterial hypertension in a subject in need thereof by administering to the subject an inhibitor of miR 145 expression or activity. Pharmaceutical compositions and kits comprising miR 145 inhibitors for treating pulmonary arterial hypertension are also disclosed.

No. of Pages : 79 No. of Claims : 43

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :G07F13/06,A47J31/52 :11167716.7 :26/05/2011 :EPO :PCT/EP2012/059816 :25/05/2012 :WO 2012/160190 :NA :NA :NA | (71)Name of Applicant : NESTEC S.A. Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor : VESTRELI Anders ODET Samuel TALON Christian PLEISCH HansPeter DENISART Jean Luc SEYDOUX Laurent |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | 6)SEYDOUX Laurent |
| | | |

(54) Title of the invention : A BEVERAGE PREPARATION SYSTEM

(57) Abstract :

The present invention concerns a beverage preparation machine (1) comprising : (i) a reservoir (2) for a fluid (ii) a brewing head (3) adapted for receiving at least one ingredient capsule (iii) a pump for pumping a predetermined volume of said fluid from said reservoir to said brewing head such that said fluid can be injected into said capsule to mix with said ingredient under pressure and produce a predetermined volume of beverage (iv) a heating element for optionally heating said fluid pumped from said reservoir before it enters the capsule (v) an electronic control board able to receive commands from a control panel (5) of the machine and actuate operation of the pump heating element control panel and/or brewing head characterized in that said control panel (5) comprises in combination: a rotating wheel (6) which is linked to the control board such that by rotating and/or pressing the wheel a beverage preparation parameter is set in said control board and illuminated means (7) at least a portion of which has the shape of a schematic cup (9) which is linked to said control board such that the state of said beverage preparation parameter within said control board is represented on said means (7).

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR MEASURING A QUANTITY OF A REDUCING AGENT PREFERABLY NH3 CONTAINED IN A 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 Filing Date (62) Divisional to Application | :11003978.1 :13/05/2011 :EPO :PCT/EP2012/058936 :14/05/2012 :WO 2012/156371 :NA :NA | (71)Name of Applicant : 1)AAQIUS & AAQIUS SA Address of Applicant :c/o Firel & Mandaco SA Rue du Nant 8 CH 1207 Gen⁻ve Switzerland (72)Name of Inventor : 1)AUDOUIN Arnaud |
|---|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a device for measuring a quantity of a reducing agent preferably NH3 contained in a vessel (10; 110; 210) containing a storage material (11; 111; 211) in which the reducing agent is stored the volume of the storage material (11; 111; 211) varying depending on the quantity of reducing agent that it contains. The measuring device comprises means (13 14 14; 113 114; 213 214) associated with the vessel (10; 110; 210) said means being suitable for measuring the quantity of the reducing agent stored in the storage material (11; 111; 211) depending on the volume of the latter.

No. of Pages : 18 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (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)ALCATEL LUCENT Address of Applicant :3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor : 1)TYTGAT Donny 2)SIX Erwin 3)LIEVENS Sammy 4)AERTS Maarten |
|---|--|---|
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(54) Title of the invention : METHOD AND ARRANGEMENT FOR IMAGE MODEL CONSTRUCTION

(57) Abstract :

A method for constructing an image model (M1; M) from at least one image data input (IV1; IV1 IVn) comprises the steps of in an iterative way determining at least one state (PS1; PS1 PSn) of said at least one image data input (IV1; IV1 IVn) and a state (PSMF) of an intermediate learning model (MF; MIF) determining a target state (TSP) from said at least one state (PS1; PS1 PSn) of said at least one image data input and from the state (PSMF) of said intermediate learning model (MF; MIF) performing at least one transformation in accordance with the determined target state (TSP) on said at least one image data input (IV1; IV1 IVn) threeby generating at least one transformed image (IV1T; IV1T IVnT) aggregating said at least one transformed image (IV1T; IV1T IVnT) aggregating said at least one transformed image (IV1T; IV1T IVnT) with intermediate learning model (MF; MIF; MIT; MFT) information thereby generating an updated estimate of said image model (M1; M) as said image model (M1; M) while also providing said updated estimate of said image model (M1; M) as model object learning module (500) for deriving an update of said intermediate learning model (MF MIF).

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

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MICELLE COATED CRYSTALLINE 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 No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :A01N25/26,A01N43/12,A01N43/90 :1111438.6 :04/07/2011 :U.K. :PCT/EP2012/062946 :03/07/2012 :WO 2013/004705 :NA :NA | (71)Name of Applicant : 1)SYNGENTA LIMITED Address of Applicant :European Regional Centre Priestley Road Surrey Research Park Guildford Surrey GU2 7YH U.K. (72)Name of Inventor : 1)MULQUEEN Patrick Joseph 2)THOMSON Niall Rae 3)BIGGS Simon Richard 4)CHAGNEUX Nelly 5)DUBOIS Mathieu Edmond Ren 6)SARKER Prodip 7)SCANLON Shane |
|--|--|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to crystalline particles [particularly organic particles or agrochemical particles] coated with micelles of copolymers to compositions comprising such particles to a process for preparing the coated particles and to uses of the particles and the compositions[for example to produce surface coatings with high loadings of copolymer and uses of products derived therefrom].

No. of Pages : 69 No. of Claims : 23

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SOLID FORMS AND SALTS OF TETRAHYDRO PYRIDO PYRIMIDINE DERIVATIVES

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International | :C07D471/04,A61K31/517,A61P29/00 :390040156 :27/06/2011 :Iran :PCT/IB2012/053209 :25/06/2012 :WO 2013/001445 | Address of Applicant :Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor : 1)FERNANDES GOMES DOS SANTOS Paulo Antonio 2)H–GENAUER Klemens 3)HOLLINGWORTH Gregory 4)SOLDERMANN Nicolas 5)STOWASSER Frank |
|--|--|--|
| Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/001445 :NA :NA :NA | 6)TUFILLI Nicola 7)ZECRI Frdric |

(57) Abstract :

The invention relates to crystalline anhydrous forms crystalline solvate forms and/or salt forms including crystalline salt forms of {(S) 3 [6 (6 methoxy 5 methyl pyridin 3 yl) 5 6 7 8 tetrahydro pyrido[4 3 d]pyrimidin 4 yloxy] pyrrolidin 1 yl} (tetrahydro pyran 4 yl) methanone or salt forms including crystalline salt forms of 1 {(S) 3 [6 (6 methoxy 5 trifluoromethyl pyridin 3 yl) 5 6 7 8 tetrahydro pyrido[4 3 d]pyrimidin 4 yloxy] pyrrolidin 3 yl) 5 6 7 8 tetrahydro pyrido[4 3 d]pyrimidin 4 yloxy 5 trifluoromethyl pyridin 3 yl) 5 6 7 8 tetrahydro pyrido[4 3 d]pyrimidin 4 ylamino] pyrrolidin 1 yl} propan 1 on; pharmaceutical compositions and combinations including these forms as well as to methods of using these forms including their pharmaceutical compositions and combinations for the treatment of diseases.

No. of Pages : 74 No. of Claims : 31

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTRONIC SYSTEM FOR QUICKLY AND SECURELY PROCESSING TRANSACTIONS USING MOBILE 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 | ¹ :PCT/EP2012/060293 :31/05/2012 :WO 2012/164036 :NA :NA | (71)Name of Applicant : 1)AVANCE PAY AG Address of Applicant :Belpbergstrae 15 CH 3123 Belp Switzerland (72)Name of Inventor : 1)BIRCHER NAGY Heinz 2)DANZ Peter 3)KRONEGGER Peter |
|---|---|---|
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(57) Abstract :

The invention relates to a secured element (3) for securely and quickly processing transactions said element being able to communicate with an external mobile device (1) and with an external billing center (6) such that transaction data (15) that is transmitted by the mobile device in order to authorize the transaction can be checked using authorization rules and parameters (8) of the billing center (6). According to the invention the secured element (3) has a local proxy module (7) that acts on behalf of the billing center (6) wherein the current authorization rules and parameters (8) of the billing center (6) can be stored in said proxy module when communicating with the billing center (6) so that the proxy module (7) can authorize the transaction using the mobile device (1) in an autonomous manner without a data connection to the billing center (6) and in a secured environment. The invention further relates to a method for securely and quickly processing a transaction between such a secured element a mobile device (1) and a billing center (6).

No. of Pages : 24 No. of Claims : 20

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING SOLID MATERIAL FROM SACCHARIDE SOLUTION AND SOLID MATERIAL

| (51) International classification | , | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :2011114934 | 1)Mitsui Sugar Co. Ltd. |
| (32) Priority Date | :23/05/2011 | Address of Applicant :8 2 Nihonbashi Honcho 2 chome Chuo |
| (33) Name of priority country | :Japan | ku Tokyo 1038423 Japan |
| (86) International Application No | :PCT/JP2012/062962 | 2)San ei Sucrochemical Co. Ltd. |
| Filing Date | :21/05/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/161165 | 1)SUGITANI Toshiaki |
| (61) Patent of Addition to Application | :NA | 2)MIYASAKA Kiyoaki |
| Number | | 3)HIRAOKA Takeshi |
| Filing Date | :NA | 4)NARITA Yasushi |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The purpose of the present invention is to provide: a method for producing a solid material from a saccharide solution; and a solid material produced from a saccharide solution. [Solution] The present invention provides a method for producing an isomaltulose containing solid material by allowing an enzyme capable of producing isomaltulose from sucrose to act on a sucrose solution to produce an isomaltulose containing saccharide solution and producing the isomaltulose containing solid material from the saccharide solution. The method involves crystallizing isomaltulose crystals having a median diameter of 5 60 μ m in the saccharide solution wherein the median diameter is measured by a laser diffraction particle size distribution measurement. The method also involves spray drying the saccharide solution containing the isomaltulose crystals at a hot air temperature of 50 95°C. The present invention also provides a solid material containing 70 90 mass% of isomaltulose and an amorphous saccharide solution. The solid material is characterized by having a spherical shape.

No. of Pages : 41 No. of Claims : 4

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : LIFT DOOR ANTI FALLING DEVICE AND LIFT DOOR WITH THE SAME

| classification1B00B13/00,B00B13/08,B00B13/301)FU(31) Priority Document No:NAAd(32) Priority Date:NA8588 J(33) Name of priority country :NA(72)Na(86) International Application Filing Date:PCT/CN2011/000999No:16/06/2011(87) International Publication No:WO 2012/171141(61) Patent of Addition to Filing Date:NA(62) Divisional to Application .NA | Name of Applicant : UJITEC CO. LTD ddress of Applicant :591 1 Miyata cho Hikone shi Shiga 522 Japan Name of Inventor : IAKAGAWA Junichi HOU Qiang |
|---|---|
| Application Number :NA | |

(57) Abstract :

A lift door anti falling device (6) and a lift door device (1) with the same are disclosed. The lift door device (1) includes a flat plate portion (31) set along the inner wall (X4) of a structure body (X) for a lift well guide rails (41) set on the inner surface of the flat plate portion (31) rollers (42) rolling along the rails (41) lift doors (2) opened and closed by connection with rollers (42) and the lift door anti falling device (6) for preventing the lift doors (2) from falling. The lift door anti falling device (6) has a side limiting portion (611) set between the rollers (42) and the flat plate portion (31) at least in closed state of the lift doors (2) thus avoiding the rollers (42) from shaking sidewards.

No. of Pages : 39 No. of Claims : 5

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR REDUCING IRON OXIDE TO METALLIC IRON USING COKE OVEN GAS AND OXYGEN STEELMAKING FURNACE 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 (62) Divisional to Application Number Filing Date | :C21B5/00 :13/107013 :13/05/2011 :U.S.A. :PCT/US2012/023585 :02/02/2012 :WO 2012/158221 :NA :NA :NA :NA | (71)Name of Applicant : 1)MIDREX TECHNOLOGIES INC. Address of Applicant :2725 Water Ridge Parkway Suite 100 Charlotte NC 28217 U.S.A. (72)Name of Inventor : 1)METIUS Gary E. 2)McCLELLAND James M. Jr. 3)MEISSNER David C. |
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(57) Abstract :

A process for reducing iron oxide to metallic iron using coke oven gas (COG) including: a direct reduction shaft furnace for providing off gas; a COG source for injecting COG into a reducing gas stream including at least a portion of the off gas; and the direct reduction shaft furnace reducing iron oxide to metallic iron using the reducing gas stream and injected COG. The COG has a temperature of about 1 200 degrees C or greater upon injection. The COG has a CH4 content of between about 2% and about 13%. Preferably the COG is reformed COG. Optionally the COG is fresh hot COG. The COG source includes a partial oxidation system. Optionally the COG source includes a hot oxygen burner.

No. of Pages : 18 No. of Claims : 23

(21) Application No.10224/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :H04W74/08 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :NA | 1)NOKIA SIEMENS NETWORKS OY |
| (32) Priority Date | :NA | Address of Applicant : Karaportti 3 FI 02610 Espoo Finland |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :PCT/EP2011/062235 | 1)WU Chunli |
| Filing Date | :18/07/2011 | 2)SEBIRE Benoist Pierre |
| (87) International Publication No | :WO 2013/010576 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1171 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : DETERMINATION OF THE TIMING ADVANCE GROUP

(57) Abstract :

A technique comprising: initiating an access procedure by making from a communication device an uplink transmission on one component carrier of a plurality of component carriers associated with an access node; thereafter receiving at said communication device group information specifying a group of said plurality of component carriers sharing uplink transmission timing information as a group to which said one component carrier belongs; and making from said communication device a further uplink transmission on said one component carrier using uplink transmission timing information for said group specified in said group information.

No. of Pages : 34 No. of Claims : 59

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR PREPARING 3 THIOSUBSTITUTED CEPHALOSPORINS EMPLOYING A PENICILLIN G ACYLASE

| (51) International classification | :C12P35/04 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :11171178.4 | 1)DSM SINOCHEM PHARMACEUTICALS |
| (32) Priority Date | :23/06/2011 | NETHERLANDS B.V. |
| (33) Name of priority country | :EPO | Address of Applicant : P.O. Box 245 Alexander Fleminglaan 1 |
| (86) International Application No | :PCT/EP2012/061910 | NL 2613 AX Delft Netherlands |
| Filing Date | :21/06/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2012/175585 | 1)MOODY Harold Monro |
| (61) Patent of Addition to Application | ·NT A | 2)CUSAN Claudia |
| Number | :NA | 3)IJPEIJ Edwin Gerard |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 | | • |

(57) Abstract :

The present invention relates to a process for the preparation of 3 thiosubstituted cephalosporins by enzymatic condensation of a nucleus with a phenylglycine derivative. Furthermore the present invention relates to a crystalline form of a compound of general formula (1) wherein R is OH and X is S and R is a radical of formula (2a) with R is CH.

No. of Pages : 27 No. of Claims : 12

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : IN FLIGHT ATTITUDE CONTROL AND DIRECT THRUST FLIGHT CONTROL SYSTEM OF A VEHICLE AND CRAFT COMPRISING SUCH A 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 | :1101524 :19/05/2011 :France :PCT/FR2012/051103 :16/05/2012 :WO 2012/156642 :NA :NA :NA | (71)Name of Applicant : HERAKLES Address of Applicant :rue de Touban Les Cinq Chemins F 33185 Le Haillan France (72)Name of Inventor : CAUBET Pascal FERRANT Aurore |
|---|---|---|
| Filing Date | :NA | |
| | | |

(57) Abstract :

The invention relates to an in flight attitude control and direct thrust flight control system which includes a propulsion body (20) and a plurality of valves capable of generating sidewise thrust when placed in communication with the propulsion body. The valves are distributed into two sets of valves (24 26) spaced apart from one another towards the front and towards the rear of the propulsion body in a substantially symmetrical manner relative to the centre of gravity of the vehicle located on a longitudinal axis (A) thereof. Each set includes a first pair of valves generating thrust in opposite directions along axes that are not aligned and are parallel to a first axis and a second pair of valves generating thrust in opposite directions along axes that are not aligned and are parallel to a second axis the first and second axes being separate and perpendicular to the longitudinal axis of the vehicle.

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

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SKIN ENGAGING MEMBER COMPRISING AN ANTI IRRITATION AGENT

| (51) International classification | :A61K8/02,A61K8/49,A61Q9/02 | (71)Name of Applicant : |
|-----------------------------------|-----------------------------|---|
| (31) Priority Document No | :61/524095 | 1)THE GILLETTE COMPANY |
| (32) Priority Date | :16/08/2011 | Address of Applicant :World Shaving Headquarters IP/Legal |
| (33) Name of priority country | :U.S.A. | Patent Department 3E One Gillette Park Boston Massachusetts |
| (86) International Application | :PCT/US2012/051046 | 02127 U.S.A. |
| No | :16/08/2012 | (72)Name of Inventor : |
| Filing Date | .10/08/2012 | 1)BRADFORD Valerie Jean |
| (87) International Publication N | o:WO 2013/025857 | 2)KWIECIEN Michael Joseph |
| (61) Patent of Addition to | :NA | 3)COFFINDAFFER Timothy Woodrow |
| Application Number | :NA | 4)LAMMERS Karen Marie |
| Filing Date | .NA | 5)SMITH Edward Dewey III |
| (62) Divisional to Application | :NA | 6)COOK Jason Edward |
| Number | :NA | 7)LIMBERG Brian Joseph |
| Filing Date | .11A | |

(57) Abstract :

A skin engaging member suitable for use in a hair removal device said skin engaging member comprising an anti irritation agent.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : VINYL CHLORIDE RESIN AGGREGATE PARTICLE METHOD FOR PRODUCING SAME AND GLOVES COMPRISING 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 | :PCT/JP2012/058381 :29/03/2012 :WO 2012/165021 :NA :NA | (71)Name of Applicant : 1)KANEKA CORPORATION Address of Applicant :3 18 Nakanoshima 2 chome Kita ku Osaka shi Osaka 5308288 Japan (72)Name of Inventor : 1)UEDA Takashi 2)MITAMURA Fumihiro 3)SAITO Hiroshi 4)ISHIHARA Morio |
|---|--|--|
| Filing Date | :NA | |

(57) Abstract :

The present invention provides: vinyl chloride resin aggregate particles which enable the production of a plastizol having excellent impermeability and good sagging properties; a method for producing the vinyl chloride resin aggregate particles; and gloves produced using the vinyl chloride resin aggregate particles. The vinyl chloride resin aggregate particles according to the present invention have a volume average particle diameter of 10 60 μ m wherein the content ratio of particles having particle diameters of 10 60 μ m is 50 vol% or more the moisture absorption rate is 1.5 wt% or less when being held under the conditions of a temperature of 30°C and a relative humidity of 97.0 ± 0.4% for 24 hours and a plastisol comprising 100 parts by weight of the vinyl chloride resin aggregate particles and 160 parts by weight of di 2 ethylhexyl phthalate fulfills the relationship represented by the formula 3 = 70/40 = 1000. In the vinyl chloride resin aggregate particles according to the present invention the number of voids each having a void size of 1.0 μ m or more is less than 5.0 per one aggregate particle and the content ratio of particles having particle diameters of 1.0 μ m or less after being subjected to an ultrasonic treatment is less than 3.0 vol%.

No. of Pages : 67 No. of Claims : 19

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification(31) Priority Document No | :H02M3/335 :P.395846 | (71)Name of Applicant : 1)AKADEMIA GORNICZO HUTNICZA IM. |
|---|-------------------------|---|
| (32) Priority Date | :02/08/2011 | STANISLAWA STASZICA W KRAKOWIE |
| (33) Name of priority country | :Poland | Address of Applicant : Al. Mickiewicza 30 PL 30 059 Krakow |
| (86) International Application No | :PCT/EP2012/064401 | Poland |
| Filing Date | :23/07/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/017456 | 1)WOREK Cezary |
| (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 : A RESONANT MODE POWER SUPPLY WITH A MULTI WINDING INDUCTOR

(57) Abstract :

A resonant-mode power supply, comprising an assembly of switches connected in a bridge or a halfbridge configuration, a series resonant circuit connected in the bridge or half bridge diagonal, a part of which is formed by a multi-winding inductor by means of which a load is connected, and a controller configured to stabilize output voltages or currents by controlling the switching frequency of the assembly of switches. The series resonant circuit com prises an energy recirculation circuit (ERC1) for limiting the resonant circuit quality factor, connected through the diode rectifier (DR2) to the supply voltage node and a current monitoring circuit (CMC) configured to monitor the recircu lation circuit current (Ilim) and, by means of the controller (C), to change the switching frequency of the assembly of switches (K1, K2, K3, K4) in order to reduce power sup plied to the resonant circuit upon exceeding the threshold value by the current (Ilim) in the energy recirculation circuit (ERC1).

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR ADJUSTING A SUPERSONIC AIR INLET

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F02C7/042,F02C7/057 :2011116972 :29/04/2011 :Russia :PCT/RU2012/000342 :28/04/2012 :WO 2012/148319 :NA :NA :NA :NA | (71)Name of Applicant : 1)OTKRYTOE AKCIONERNOE OBSCHESTVO «AVIACIONNAYA HOLDINGOVAYA KOMPANIYA «SUHOI» Address of Applicant :ul. Polikarpova 23B Moscow 125284 Russia (72)Name of Inventor : 1)DAVIDENKO Aleksandr Nikolaevich 2)STRELETS Mihail Yurievich 3)RUNISHEV Vladimir Aleksandrovich 4)BIBIKOV Sergey Yurievich 5)POLYAKOVA Natalya Borisovna 6)ANDREEV Roman Viktorovich 7)SMIRNOV Aleksandr Alekseevich 8)ASTASHKIN Aleksey Vladimirovich 9)SUTSKEVER Anatoly Isaakovich 10)KOSITSIN Aleksandr Anatolevich |
|---|---|---|
|---|---|---|

(57) Abstract :

The invention relates to aviation technology and more specifically to air inlets for supersonic aircraft propulsion systems. The preferred field of use of the invention is in turbojet aircraft with a maximum Mach number of 3. The invention is intended to achieve the technical result of making it possible to adjust the apex angle of the stages of one of the swept wedges and the minimum area of the flow passage of the air inlet (throat) without the formation of unwanted longitudinal grooves in the air inlet channel and the jamming of movable elements. The method for adjusting a supersonic air inlet consists in altering the area of the throat and positioning the shock waves. The area of the throat is altered and the shock waves are positioned by the simultaneous rotation of a front adjustable panel (11) the axis of rotation (9) of which coincides with the line of intersection of the first and second stages of one of the swept wedges (7 22) which is not perpendicular to the oncoming flow and a rear adjustable panel (12) the axis of rotation (10) of which is situated in the region of the trailing edge of the rear adjustable panel (12) and is oriented in order to intersect the axis of rotation of the front adjustable panel wherein as the front and rear adjustable panels rotate the lateral edges thereof are displaced relative to the profiled lateral surfaces of the channel without the formation of grooves therebetween.

No. of Pages : 22 No. of Claims : 4

(21) Application No.10235/DELNP/2013 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF CHLORINATED AND/OR FLUORINATED PROPENES

| (31) Priority Document No:61/494(32) Priority Date:08/06/2(33) Name of priority country:U.S.A.(86) International Application No:PCT/UFiling Date:30/05/2 | /2011Address of Applicant :9330 Zionsville Road IndianapolisA.Indiana 46268 U.S.A.US2012/039906(72)Name of Inventor : |
|--|---|
|--|---|

(57) Abstract :

Processes for the production of chlorinated and/or fluonnated propenes provide good product yield with advantageous impurity profiles in the crude product. Advantageously the processes may be conducted at lower temperatures than 600°C or less than 500°C so that energy savings are provided and/or at higher pressures so that high throughputs may also be realized. The use of catalysts or initiators may provide additional enhancements to conversion rates and selectivity as may adjustments to the molar ratio of the reactants.

No. of Pages : 25 No. of Claims : 22

(21) Application No.10236/DELNP/2013 A

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

(43) Publication Date : 30/01/2015

| (51) International classification | :H01M4/96 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/192968 | 1)ARKEMA INC. |
| (32) Priority Date | :28/07/2011 | Address of Applicant :900 First Avenue King of Prussia |
| (33) Name of priority country | :U.S.A. | Pennsylvania 19406 U.S.A. |
| (86) International Application No | :PCT/US2012/047298 | (72)Name of Inventor : |
| Filing Date | :19/07/2012 | 1)AMIN SANAYEI Ramin |
| (87) International Publication No | :WO 2013/016110 | 2)GABOURY Scott |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1174 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alestreet | | l |

(54) Title of the invention : WATERBORNE FLUOROPOLYMER COMPOSITION

(57) Abstract :

This invention relates to a waterborne fluoropolymer composition useful for the fabrication of Li Ion Battery (LIB) electrodes. The fluoropolymer composition contains an organic carbonate compound which is more environmentally friendly than other fugitive adhesion promoters currently used in waterborne fluoropolymer binders. An especially useful organic carbonate compound is ethylene carbonate (EC) and vinylene carbonate (VC) which are solids at room temperature and other carbonates which are liquid at room temperature such as propylene carbonate methyl carbonate and ethyl carbonate. The composition of the invention is low cost environmentally friendly safer and has enhanced performance compared to current compositions.

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

| (12) PATENT APPLICATION PUBLICATION | |
|-------------------------------------|--|
| | |

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (54) Title of the invention : TENSIONER | | |
|---|--------------------|---|
| | | |
| (51) International classification | :F16H7/12 | (71)Name of Applicant : |
| (31) Priority Document No | :13/155538 | 1)THE GATES CORPORATION |
| (32) Priority Date | :08/06/2011 | Address of Applicant :(a Delaware Corporation) 1551 |
| (33) Name of priority country | :U.S.A. | Wewatta Street Denver CO 80202 U.S.A. |
| (86) International Application No | :PCT/US2012/040073 | (72)Name of Inventor : |
| Filing Date | :31/05/2012 | 1)WARD Peter |
| (87) International Publication No | :WO 2012/170261 | 2)HALLEN Juergen |
| (61) Patent of Addition to Application | :NA | |
| Number Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A tensioner comprising a pulley a base having a sleeve an arm pivotally engaged with the base the pulley journalled to the arm a torsion spring connected between the arm and the base an adjuster member rotatably engaged within a sleeve hole a damping member fixedly connected to the arm the damping member compressed between the arm and the base in an axial direction the damping member having \cdot a frictional engagement with the base to damp an arm oscillation and a retainer having an expandable member connectable to the adjuster the expandable member engaged with a sleeve groove.

No. of Pages : 15 No. of Claims : 6

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (54) Title of the invention : TENSIONER | | |
|---|-------------------------|--|
| (51) International classification(31) Priority Document No | :F16H7/12 :13/155557 | (71)Name of Applicant : 1)THE GATES CORPORATION |
| (32) Priority Date | :08/06/2011 :U.S.A. | Address of Applicant :(a Delaware Corporation) 1551 Wewatta Street Denver CO 80202 U.S.A. |
| (33) Name of priority country(86) International Application No | | (72)Name of Inventor : |
| Filing Date | :31/05/2012 | 1)WARD Peter |
| (87) International Publication No(61) Patent of Addition to ApplicationNumber | :WO 2012/170262 :NA | 2)HALLEN Juergen 3)SCHEVER Holger |
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : TENSIONER

(57) Abstract :

A tensioner comprising a sleeve an adjuster cooperatively engaged with an inner surface of the sleeve a pivot arm pivotally engaged with the sleeve a pulley journalled to the pivot arm a torsion spring engaged with the sleeve for urging the pivot arm an elastomeric damping ring connected to the arm and in compressive frictional contact between the sleeve and the arm whereby a tangential friction force damps a pivot arm movement the elastomeric damping ring exerting a radial force on the sleeve and a retaining member connected to the adjuster and cooperatively engaged with the sleeve whereby the adjuster and sleeve are kept in a predetermined relation.

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

(21) Application No.1024/DELNP/2014 A

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : HYDROGEN GENERATOR WITH IMPROVED FLUID DISTRIBUTION

(57) Abstract :

The invention is a hydrogen generator including a housing a reaction area a fluid reservoir a pellet comprising a first reactant within the reaction area a fluid comprising a second reactant within the fluid reservoir a fluid flow path between the fluid reservoir and the reaction area and a hydrogen outlet. The fluid flow path comprises a follower assembly biased toward the pellet the follower assembly includes an articulated joint and a follower and the second reactant can react with the first reactant in the reaction area to produce hydrogen gas and byproducts.

No. of Pages : 23 No. of Claims : 29

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SUBSTRATE FOR POWER MODULE SUBSTRATE FOR POWER MODULE WITH HEAT SINK POWER MODULE AND METHOD FOR MANUFACTURING SUBSTRATE FOR POWER MODULE

| Initial 25/15/101122/05/101122/050/105/K1/021)MITSUBISHI MATERIALS CORPORATIONAddress of Applicant :3 2 Otemachi 1 chome Chiyoda ku12/08/2011/ country:Japan:PCT/JP2012/070484:10/08/2012blication:WO 2013/024813on to:NAoplication:NA |
|---|
| :12/08/2011Tokyo 1008117 Japany country:Japan(72)Name of Inventor ::PCT/JP2012/070484:10/08/20121)KUROMITSU Yoshirou:10/08/2012:NAGATOMO Yoshiyuki3)TERASAKI Nobuyukiblication:WO 2013/0248135)MAKI Kazunarion to:NA:NA6)MORI Hiroyuki:NA:NA7)ARAI Isao |

(57) Abstract :

This substrate (10) for a power module is provided with an insulating substrate (11) and a circuit layer (12) formed on one surface of the insulating substrate (11). The circuit layer (12) is configured by bonding a first copper plate (22) onto one surface of the insulating substrate (11). Before being bonded the first copper plate (22) has a composition containing at least: a total of 1 molppm to 100 molppm of one or more of an alkali earth metal a transition metal element and a rare earth element; or 100 molppm to 1000 molppm of boron; with the remainder being copper and unavoidable impurities.

No. of Pages : 88 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : HUMANISED ANTI C | D52 ANTIBODIES |
|--|--|
| (51) International classification:C07K1(31) Priority Document No:11092(32) Priority Date:01/06/(33) Name of priority country:U.K.(86) International Application No:PCT/EFiling Date:01/06/ | 16/28(71)Name of Applicant :38.41)ANTITOPE LTD2011Address of Applicant :Babraham Institute BabrahamCambridgeshire CB2 4AT U.K.P2012/060345(72)Name of Inventor : |

(57) Abstract :

The present invention relates to novel humanised antibodies against human CD52 and their use in methods of treating or preventing human diseases.

No. of Pages : 61 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(51) International classification :B01D53/34 (71)Name of Applicant : (31) Priority Document No 1)POSCO :1020110140222 (32) Priority Date :22/12/2011 Address of Applicant :1 Goedong dong Nam gu Pohang si (33) Name of priority country Gyeongsangbuk do 790 300 Republic of Korea :Republic of Korea (86) International Application No (72)Name of Inventor : :PCT/KR2012/008241 1)KIM Hvun Soo Filing Date :11/10/2012 (87) International Publication No :WO 2013/094861 2)CHO Minyoung (61) Patent of Addition to Application 3)YOON Shikyung :NA Number 4)LEE Dal Hoi :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : APPARATUS FOR REDUCING CARBON DIOXIDE BY USING MOLTEN SLAG

(57) Abstract :

Provided is an apparatus for reducing carbon dioxide by using hot molten slag and a flue gas containing carbon dioxide. The apparatus includes a slag atomizer spraying the molten slag to form slag powder a carbonization reactor for a carbonization reaction between the slag powder and the carbon dioxide and a flue gas supplying device for supplying the flue gas containing the carbon dioxide to the carbonization reactor. According to the present embodiment hot molten slag which is a by product generated while manufacturing ingot iron and a flue gas containing a high concentration of carbon dioxide are reacted with each other to precipitate carbonate thereby reducing the generation of carbon dioxide from the flue gas generated while manufacturing the ingot iron. Also heat generated during the carbonization reaction between the slag and the flue gas is collected to be used thereby increasing the energy efficiency of the ingot iron manufacturing process.

No. of Pages : 21 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :1020110051408 :30/05/2011 :Republic of Korea | (71)Name of Applicant : 1)OVERTECH CO.LTD Address of Applicant :Yucheon Factopia 1cheong 145 #196 Anyang dong Manan gu Anyang si Gyeonggi do 430 727 Republic of Korea (72)Name of Inventor : 1)OH Seung 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 : TOTAL BODY EXERCISER

(57) Abstract :

The present invention relates to a total body exerciser and more particularly to a total body exerciser capable of rotating and vertically moving each part of the body in order to exercise the waist back abdomen and knee joints. The total body exerciser according to the present invention comprises: an upper body exercising unit; a buttocks exercising unit; and an ankle exercising unit. The upper body exercising unit comprises: an upper body support for supporting the upper body; an upper body supporting guide rail formed on the bottom surface of the upper body support and enabling the upper body support to move horizontally; and a rotating bracket mounted on a lower surface of the upper body supporting guide rail so as to enable the upper body support to rotate about a base frame contacting the ground. The buttocks exercising unit comprises: a buttocks support for supporting the buttocks; and a buttocks support for the buttocks support. The ankle exercising unit comprises: an ankle support for supporting an ankle; an ankle supporting guide rail formed on a bottom surface of the ankle support and enabling horizontal movement of the ankle support; and a rotating bracket mounted on a lower surface of the ankle support and enabling horizontal movement of the ankle support; and a rotating bracket mounted on a lower surface of the ankle support and enabling horizontal movement of the ankle support; and a rotating bracket mounted on a lower surface of the ankle support guide rail to enable the ankle support to rotate about a base frame contacting the ground.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : EMBRYO QUALITY ASSESSMENT BASED ON BLASTOMERE CLEAVAGE AND MORPHOLOGY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application | | (71)Name of Applicant : 1)UNISENSE FERTILITECH A/S Address of Applicant :Tueager 1 DK 8200 Aarhus N Denmark (72)Name of Inventor : 1)RAMSING Niels B |
|---|--|---|
| No Filing Date (87) International Publication No | :PCT/DK2012/050188 :31/05/2012 :WO 2012/163363 | 2)HILLIGS E Karen Marie 3)ESCRIV Marcos Meseguer |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a method and to a system for selecting embryos for in vitro fertilization based on the timing and duration of observed cell cleavages and associated cell morphology. One embodiment of the invention relates to a method for determining embryo quality comprising monitoring the embryo for a time period and determining one or more quality criteria for said embryo wherein said one or more quality criteria is based on the extent of irregularity of the timing of cell divisions when the embryo develops from four to eight blastomeres and/or wherein said one or more quality criteria is based on determining the time of cleavage to a five blastomere embryo (t5) and wherein t5 is between 48.7 hours and 55.6 hours and/or wherein said one or more quality criteria is based on the ratio of two time intervals each of said two time intervals determined as the duration of a time period between two morphological events in the embryo development from fertilization to eight blastomeres and based on said one or more quality criteria determining the embryo quality.

No. of Pages : 77 No. of Claims : 27

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :2011180501 :22/08/2011 :Japan | (71)Name of Applicant : 1)SANDEN CORPORATION Address of Applicant :20 Kotobuki cho Isesaki shi Gunma 3728502 Japan (72)Name of Inventor : 1)NAKAMURA Yuichiro |
|---|--------------------------------------|--|
|---|--------------------------------------|--|

(54) Title of the invention : HEAT EXCHANGER AND METHOD FOR MANUFACTURING SAME

(57) Abstract :

In a heat exchanger in which a support frame member for reinforcement is arranged on a peripheral edge 5 of a core portion, a support frame member (10) includes a tongue-shaped flat plate end portion (11) provided for a predetermined length (Lt) from an end edge in a longitudinal direction (LD) and inserted into a receiving hole provided in a tank arranged in the vicinity of a side 10 portion of the core portion; a side wall installation portion (13) having left and right side walls (14a, 14b) formed by bending and raising left and right expanded width portions which are expanded in width from positions of left and right ends of the flat plate end portion by the same 15 width (Wt) in a width direction (WD) perpendicular to a center axis (CL), respectively, and which are extended along the center axis (CL); and an intermediate portion (12) located between the flat plate end portion (11) and - the side wall installation portion (13) and having a shape 20 of an isosceles trapezoid whose width is gradually changed on the basis of a width difference between the flat plate end portion and the side wall installation portion on a plan view before the left and right expanded width portions are subjected to bending and forming a structure in which, 25- if a part thereof is deformed, bent and raised after the bending, a triangular side wall (15) continuing to the left and right side walls from the flat plate end portion is formed, and the flat plate end portion (11), the side wall installation portion (13), and the intermediate portion 30 (12) are formed so that an outer shape width is constant.

No. of Pages : 28 No. of Claims : 3

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : INTERFACE BETWEEN WEB APPLICATIONS FOR TEXT MESSAGING AND PACKET SWITCHED 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 | :PCT/US2012/039096 :23/05/2012 | (71)Name of Applicant : 1)ALCATEL LUCENT Address of Applicant :3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor : 1)CAI Yigang 2)SHANKER Gyan 3)NAYAK Kris |
|---|-----------------------------------|--|
| (62) Divisional to Application Number Filing Date | ':NA :NA | |

(57) Abstract :

Systems and methods are disclosed for interfacing SMS/MMS web applications with packet switched networks. One embodiment comprises a system that handles a Mobile Terminated (MT) text message from a web application to a packet switched network. The system receives a send command for the MT text message from the web application. The send command is based on a standard used by the web application such as Parlay X. The system converts the send command for the MT text message to a SIP send request and transmits the SIP send request for the MT text message to a packet switched network for delivery to a recipient.

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

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : NEW COMPOSITION FOR PRODUCING CAST POLYAMIDES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :11168080.7 :30/05/2011 :EPO :PCT/EP2012/059619 :23/05/2012 :WO 2012/163764 :NA :NA | (71)Name of Applicant : 1)RHEIN CHEMIE RHEINAU GMBH Address of Applicant :D¹/₄sseldorfer Strasse 23 27 68219 Mannheim Germany (72)Name of Inventor : 1)LAUFER Wilhelm 2)BECHEM Benjamin 3)PALZER Andr |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

(19) INDIA

The present invention relates to new compositions for producing cast polyamides.

No. of Pages : 11 No. of Claims : 7

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : HYBRID WORK MACHINE AND HYBRID WORK MACHINE CONTROL METHOD

| (51) Internationalclassification(31) Priority Document No(32) Priority Date | :B60W10/26,B60K6/485,B60L3/00 :2012117848 :23/05/2012 | Address of Applicant :2 3 6 Akasaka Minato ku Tokyo 1078414 Japan |
|--|---|--|
| (33) Name of priority country | 1 | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/JP2012/080060 :20/11/2012 | 1)KAWAGUCHI Tadashi |
| (87) International Publication No | :WO 2013/175658 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This hybrid hydraulic shovel (1) is provided with an engine (17) a generator motor (19) a capacitor (25) a swing motor (23) a transformer (26) a transformer temperature sensor (50) a capacitor temperature sensor (51) and a hybrid controller (C2). On the basis of the temperature of the transformer (26) detected by the transformer temperature sensor (50) and the temperature of the capacitor (25) detected by the capacitor temperature sensor (51) and overheating suppression control unit (C21) of the hybrid controller (C2) changes the amount of the power generated by regeneration by the swing motor (23) to be supplied to the capacitor (25) and the amount thereof to be supplied to the generator motor (19).

No. of Pages : 64 No. of Claims : 17

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification | :F16L33/035 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :NA | 1)HANS OETIKER AG MASCHINEN UND |
| (32) Priority Date | :NA | APPARATEFABRIK |
| (33) Name of priority country | :NA | Address of Applicant :Oberdorfstrasse 21 CH 8812 Horgen |
| (86) International Application No | :PCT/EP2011/004482 | Switzerland |
| Filing Date | :06/09/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/034162 | 1)MIESSMER Stefan |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
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(54) Title of the invention : HOSE CLAMP

(57) Abstract :

In order to close and tension a hose clamp, the two end portions (11, 13) of a clamping band (10), which overlap one another, are provided on surfaces that face one another and have toothed areas (20, 22), which are held in reciprocal engagement by a holding device. The toothed area (20) of one end portion (11) is formed on the outer face of a tongue (12), the width of said tongue being less than the f/4ll width of the band. The holding device has a raised area (15) that is formed in the other end portion (13) and bears the other toothed area (22) on the inner face thereof. The raised area (15) begins spaced from the free end of the other end portion (13) with an outwardly projecting step (16) that has an /o opening (18) for the tongue (12) to pass through.

No. of Pages : 12 No. of Claims : 15

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : POLYNUCLEATED MEGAKARYOCYTIC CELL AND METHOD FOR MANUFACTURING PLATELETS

(57) Abstract :

An object of the present invention is to provide a method of promoting polynucleation of megakaryocytic cells to form polynucleated megakaryocytic cells with higher polynucleation and to provide a method for efficiently producing platelets from polynucleated megakaryocytic cells. The present invention is a method for producing polynucleated megakaryocytic cells wherein the method includes a step for inducing forced expression of an apoptosis suppressor gene in megakaryocytic cells prior to polynucleation and culturing of these cells.

No. of Pages : 98 No. of Claims : 19

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS FOR PRODUCING A COMPOSITE GAS INCLUDING CARBON MONOXIDE AND HYDROGEN AND METHOD 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 | :1020110090306 :06/09/2011 :Republic of Korea :PCT/KR2012/006807 :27/08/2012 | (71)Name of Applicant : 1)POSCO Address of Applicant :1 Goedong dong Nam gu Pohang si Gyeongsangbuk do 790 300 Republic of Korea (72)Name of Inventor : 1)KIM Ki Hyun 2)JUNG Jonghwun 3)LEE Seungmoon 4)KIM Sung Man |
|--|--|--|
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(57) Abstract :

Disclosed is an apparatus for producing a composite gas including carbon monoxide and hydrogen. The apparatus for producing the composite gas including carbon monoxide and hydrogen according to the present invention comprises: a first preprocessing device for an ironworks byproduct gas containing methane; a second preprocessing device for an ironworks byproduct gas containing carbon dioxide which is arranged to be spaced apart from the first preprocessing device; a steam generating device for mixing the ironworks byproduct gas containing methane processed by the first preprocessing device and the ironworks byproduct gas containing carbon dioxide processed by the second preprocessing device and supplying steam to the mixed gas; and a reforming reaction device receiving and reforming the mixed gas to which steam is supplied and converting same into a reduced gas including carbon monoxide.

No. of Pages : 33 No. of Claims : 35

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :A61L24/08 :A 1026/2011 :13/07/2011 :Austria :PCT/AT2012/050102 :12/07/2012 :WO 2013/006886 | (71)Name of Applicant : 1)BISCHOF Georg Address of Applicant :Wilbrandtgasse 39/1 A 1180 Wien Austria (72)Name of Inventor : 1)BISCHOF Georg |
|---|---|---|
| 1 5 5 | | |
| 11 | | |
| | :WO 2013/006886 | |
| (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 : COMPOSITION FOR PRODUCING A TEMPORARY INTESTINAL OBSTRUCTION

(57) Abstract :

The invention relates to a composition for producing a temporary obstruction of the intestine of a mammal wherein the composition is flowable and can be solidified at a desired location in the intestine to form a solid plug the structure of which can be modified for the subsequent at least partial removal of the obstruction wherein the composition is or comprises a flowable solution suspension or dispersion in a solvent or solvent mixture characterised in that the composition comprises the following: a) a suspension of a solid in water or in an aqueous solvent mixture having a content of water that is an amount X above the liquid limit of the suspension; b) a dehydrating agent in an amount sufficient to bind the amount X of water such that the liquid limit of the suspension is exceeded as a result of the dehydration; and c) an agent for passivating the dehydrating agent.

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

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : HEAT EXCHANGER ESPECIALLY FOR A MOTOR VEHICLE AND CORRESPONDING AIR INTAKE DEVICE

| | | (71)Name of Applicant : 1)VALEO SYSTEMES THERMIQUES Address of Applicant :8 rue Louis Lormand BP517 La Verri[¬]re F 78320 Le Mesnil Saint Denis Cedex France (72)Name of Inventor : 1)ODILLARD Laurent 2)DEVEDEUX Sbastien |
|---|-----------------|--|
| (87) International Publication No | :WO 2012/159730 | |
| (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 heat exchanger between at least two fluids, notably for 5 a motor vehicle, comprising a heat exchange bundle (7) between said fluids, and a housing (9) receiving said bundle (7). Said housing (9) has at least one raised edge (11), and said exchanger also comprises a seal (15) made of rigid plastic material jacketing said at least one raised edge (11) and configured to ensure the seal-tightness between said exchanger and a 10 container of said exchanger. The invention also relates to an air intake device comprising such a heat exchanger and an air intake manifold.

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

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : OVERRUN A | AIR RECIRCULATION V | /ALVE |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F16K7/12,F16K7/17 :10 2011 103 607.9 :08/06/2011 :Germany :PCT/US2012/039288 :24/05/2012 :WO 2012/170211 :NA :NA :NA :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)CHRISTMANN Ralf |

(57) Abstract :

The present invention relates to an overrun air recirculation valve (1) having a housing (2) which delimits a housing interior (3); having a diaphragm (4) which has a diaphragm area (AO) and which divides the housing interior (3) into a first chamber (5) and a second chamber (6); and having a valve plunger (7) which has a plunger area (AU) which is connected to the diaphragm (4) via a valve rod (8) and which is preloaded into a closed position by means of a spring (9) wherein the diaphragm area (AO) is greater than the plunger area (AU).

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

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DOUBLE FLOW TURBINE HOUSING TURBOCHARGER

| classification :F02B39/00,F01D25/24,F02B37/22 1) (31) Priority Document No :61/495447 1) (32) Priority Date :10/06/2011 Aut (33) Name of priority country :U.S.A. (72) (86) International Application :PCT/US2012/041445 1) No :08/06/2012 2) | Y1)Name of Applicant : 1)BORGWARNER INC. Address of Applicant :Patent Department 3850 Hamlin Road uburn Hills Michigan 48326 U.S.A. Y2)Name of Inventor : 1)NAREHOOD Abraham C. 2)ALAJBEGOVIC Vahidin 3)WATSON John P. |
|---|---|
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(57) Abstract :

Implementations of the present disclosure are directed to turbine assemblies for turbocharger systems. In some

implementations turbine housings include a body that defines an inlet for fluid communication with a fluid source and a wall the wall dividing the inlet into an inner inlet and an outer inlet and a fluid guide assembly disposed within the housing the fluid guide assembly including a plurality of vanes that demarcate an inner volute and an outer volute within the housing the inner volute being in fluid communication with the inner inlet and the outer volute being in fluid communication with the outer inlet each vane of the plurality of vanes being fixed at a respective angle relative to a radial direction the plurality of vanes guiding fluid flow from the outer volute to the inner volute.

No. of Pages : 35 No. of Claims : 20

(21) Application No.10303/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : INJECTION DEVICE WITH PLURAL DOSAGE SETTING WINDOWS

| (51) International classification | :A61M5/315 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :NA | 1)BECTON DICKINSON AND COMPANY |
| (32) Priority Date | :NA | Address of Applicant : David M. Fortunato Mc110 1 Becton |
| (33) Name of priority country | :NA | Drive Franklin Lake NJ 07417 U.S.A. |
| (86) International Application No | :PCT/US2011/000898 | (72)Name of Inventor : |
| Filing Date | :19/05/2011 | 1)PALA Trivikrama |
| (87) International Publication No | :WO 2012/158138 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
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(57) Abstract :

An injection device (100) including a body (108 332) for containing and dispensing a medicament the body (108 332) having a plurality of dosage indicator windows (120 124; 336 340 344) for indicating a desired dosage of medicament and a dose set sleeve (192 326 352) rotatably connected with the body (108 332) for setting the desired dosage the dose set sleeve (192 326 352) having a plurality of dosage numbers (196 348) disposed thereon. Upon rotating the dose set sleeve (192 326 352) to set the desired dosage the dosage numbers (196 348) are consecutively visible through alternating ones of the plurality of dosage indicator windows (120 124; 336 340 344).

No. of Pages : 35 No. of Claims : 19

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : LUBRICATING COMPOSITION WITH IMPROVED TBN RETENTION

| (51) International classification (31) Priority Document No (32) Priority Date (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) Application Number Filing Date | :61/491369 :31/05/2011 :U.S.A. :PCT/US2012/039965 :30/05/2012 :WO 2012/166781 | (71)Name of Applicant : 1)THE LUBRIZOL CORPORATION Address of Applicant :29400 Lakeland Blvd. Wickliffe Ohio 44092 2298 U.S.A. (72)Name of Inventor : 1)GALIC RAGUZ Mary 2)CARRICK Virginia A. |
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(57) Abstract :

The invention provides a lubricating composition containing a diarylamine an aminobenzene and an oil of lubricating viscosity. The invention further relates to the use of the lubricating composition in an internal combustion engine. The invention further relates to the use of the lubricating composition to improve TBN retention.

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

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : THE USE OF SECNIDAZOLE IN TREATING DENTAL INFECTIONS

| (51) International classification (31) Priority Document No (32) Priority Date (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 i | :A61K31/4164,A61K31/7052,A61K9/00 :11 01478 :16/05/2011 :France :PCT/FR2012/000192 :14/05/2012 :WO 2012/156599 :NA :NA :NA | (71)Name of Applicant : 1)MADECA Address of Applicant :745 chemin de la Tour du Pey Blanc F 13090 Aix en Provence France (72)Name of Inventor : 1)DEFRANCE Pierre Marie |
|--|---|--|
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(57) Abstract :

The invention relates to the combination of secnidazole with an antibiotic of the macrolide family, preferably azithromycin 11, for oral treatment of dental infections, which enables a considerable reduction in the length of treatment and the doses administered in comparison with the conventional treatment.

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

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : COLOR STABILIZED BIODEGRADABLE ALIPHATIC AROMATIC COPOLYESTERS METHODS OF MANUFACTURE AND ARTICLES THEREOF

| (51) International classification (31) Priority Document N (32) Priority Date (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 i | :15/07/2011 :U.S.A. :PCT/US2012/046629 :13/07/2012 :WO 2013/012707 | (71)Name of Applicant : 1)SAUDI BASIC INDUSTRIES CORPORATION Address of Applicant :P.O. Box 5101 11422 Riyadh Saudi Arabia (72)Name of Inventor : 1)ALIDEDEOGLU Husnu Alp 2)KANNAN Ganesh |
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(57) Abstract :

Biodegradable compositions containing an aliphatic aromatic copolyester derived from aromatic polyesters. Methods of making the compositions and articles made from the compositions.

No. of Pages : 24 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : APPARATU | S FOR PURIFYING WA | TER IN AN AQUARIUM |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C02F1/46,C02F1/52 :2011038205 :26/05/2011 :Singapore | (71)Name of Applicant : 1)QIAN HU CORPORATION LIMITED Address of Applicant :71 Jalan Lekar Singapore 698950 Singapore (72)Name of Inventor : 1)CHANG Kuok Weai Alex 2)YAP Ah Seng Alvin |

(57) Abstract :

An apparatus of purifying waste water in an aquarium comprising an electrochemical flocculation reactor; the electrochemical flocculation reactor comprising titanium based electrodes operable to convert ammonium ammonia nitrite and/or nitrate into nitrogen gas in the aquarium and a carbon based catalyst suitable for generating hydroxyl radical.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : POWER GENERATION SYSTEM AND METHOD FOR OPERATING A POWER GENERATION SYSTEM

| (51) International classification | :H02M | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :PA 2011 70383 | 1)VESTAS WIND SYSTEMS A/S |
| (32) Priority Date | :14/07/2011 | Address of Applicant :Hedeager 44 DK 8200 rhus N |
| (33) Name of priority country | :Denmark | Denmark |
| (86) International Application No | :PCT/DK2012/050266 | (72)Name of Inventor : |
| Filing Date | :11/07/2012 | 1)NIELSEN John Godsk |
| (87) International Publication No | :WO 2013/007268 | 2)STYHM Ove |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

According to an embodiment a power generation system is provided comprising a power generator; a plurality of converter modules each converter module having a DC link wherein the DC link of each converter module is connected to the DC links of the other converter modules of the plurality of converter modules via a fuse associated with the converter module; and a controller configured to if it is detected that there is a fault in one of the converter module disconnect the converter module in which there is a fault from the power generator and connect two or more other converters module of the plurality of converter modules to the power generator and to control the power generation system to supply power to the DC links of the two or more other converter modules such that power is supplied to the converter module in which there is a fault via the fuse associated with the converter module such that the fuse associated with the converter module melts.

No. of Pages : 25 No. of Claims : 13

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : FLEXIBLE PRINTED CABLE AND INFORMATION PROCESSING DEVICE

(57) Abstract :

The present invention addresses the problem of providing an FPC with which it is possible to improve tamper resistance. This FPC (1) comprises: a signal line pattern (2) wherein a communication signal is inputted; and signal protection line patterns (3 4) which are disposed above and below the signal line pattern and have the same width as or a greater width than the signal line pattern (2). The signal protection line patterns are disposed along the signal line pattern within a region in which tamper resistance is required.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(71)Name of Applicant : (51) International classification :H02K9/19 1)HITACHI CONSTRUCTION MACHINERY CO. LTD. (31) Priority Document No :2011204848 Address of Applicant :5 1 Koraku 2 chome Bunkyo ku Tokyo (32) Priority Date :20/09/2011 1128563 Japan (33) Name of priority country :Japan 2)HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO. (86) International Application No :PCT/JP2012/070636 LTD. Filing Date :13/08/2012 (72)Name of Inventor: :WO 2013/042490 (87) International Publication No 1)KIKUCHI Satoshi (61) Patent of Addition to Application :NA 2)ISHIDA Seiii Number :NA 3)MIYOSHI Tsutomu Filing Date 4)SAWADA Itsuro (62) Divisional to Application Number :NA 5)ISHIJIMA Makoto Filing Date :NA 6)AOKI Shigenori

(54) Title of the invention : GENERATOR MOTOR AND ELECTRIC VEHICLE USING SAME

(57) Abstract :

To evenly cool down an armature winding along the circumferential direction of a stator in a generator motor. [Solution] A generator motor includes a stator (1) fixed to the inner diameter side of a housing (18) a rotor (130) rotatably supported by a bearing (5) and an armature winding wound around the teeth of a stator core (110). A bracket (200) provided via the bearing (5) has a passage (201 202) through which cooling oil flows and an injection hole (204) which communicates with the passage and injects cooling oil at a position opposite the winding end of the armature winding. Cooling oil is injected toward the winding end of the armature winding from the injection hole (204) of the bracket (200) arranged on both sides of a shaft (6) in the axial direction. In the flow distribution of oil from a plurality of the injection holes (204) oil flow is set to be greater the higher the position of the injection hole is above the level of the shaft (6). The placement pitch of the injection holes (204) on the bracket (200) is narrower at the upper positions in the vertical direction of the bracket (200) and gradually becomes wider closer to the level of shaft (6).

No. of Pages : 51 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :A01H5/10 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/102591 | 1)TAYLOR George Robert |
| (32) Priority Date | :06/05/2011 | Address of Applicant :162 Crimson Court West Lafayette |
| (33) Name of priority country | :U.S.A. | Indiana 47906 U.S.A. |
| (86) International Application No | :PCT/US2012/036325 | (72)Name of Inventor : |
| Filing Date | :03/05/2012 | 1)TAYLOR George Robert |
| (87) International Publication No | :WO 2012/154497 | |
| (61) Patent of Addition to Application | •NT A | |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : APOMICTIC SOYBEAN PLANTS AND METHODS FOR PRODUCING

(57) Abstract :

The present invention provides apomictic soybean varieties and methods of making the same. The present invention relates to apomictic soybean plants having a mutant allele designated AP1 which confers apomixis. The invention relates to crossing soybean plants containing the AP1 allele to produce novel types and varieties of apomictic soybean plants.

No. of Pages : 50 No. of Claims : 49

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (-) | | - |
|--|--------------------|---|
| | | |
| (51) International classification | :F27B9/24,C21D1/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2012140299 | 1)CHUGAI RO CO. LTD. |
| (32) Priority Date | :22/06/2012 | Address of Applicant :3 6 1 Hiranomachi Chuo ku Osaka shi |
| (33) Name of priority country | :Japan | Osaka 5410046 Japan |
| (86) International Application No | :PCT/JP2013/050357 | (72)Name of Inventor : |
| Filing Date | :11/01/2013 | 1)NAKANO Masaaki |
| (87) International Publication No | :WO 2013/190856 | 2)SAWADA Hideyuki |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : WALKING BEAM HEATING FURNACE

(57) Abstract :

Despite curving of an elongate workpiece being heat treated as transferred by walking beams in a direction 5 crossing a longitudinal direction of the workpiece, an object is to ensure that the curved workpiece is properly transferred and adequately corrected for the curving. In a heating furnace 10 where elongate workpieces W fed into the heating furnace are sequentially 10 transferred on fixed beams 20 by walking beams 30 from an inlet area to an outlet area, concaves 32 to retain the workpieces are formed at least on the walking beams. A concave 32a in the inlet area for heating the workpieces is increased in width in a transfer direction, while a 15 concave 32b in the outlet area where the heated workpieces are wholly heated to a uniform temperature and retained in position is formed in a corrugated configuration.

No. of Pages : 35 No. of Claims : 6

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING A PRINTING PLATE FOR WATERLESS OFFSET PRINTING

| (51) International classification (31) Priority Document No (32) Priority Date (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 2011 052 991.8 :25/08/2011 :Germany | (71)Name of Applicant : SIEGER Gert Address of Applicant :Mendelssohnstrae 53 70619 Stuttgart (72)Name of Inventor : SIEGER Gert |
|---|---|--|
|---|---|--|

(57) Abstract :

The invention relates to a method for producing a printing plate for waterless offset printing. A method for producing a printing plate for waterless offset printing is proposed, having the following method steps: - providing a substrate; - applying an ink onto the substrate using an Inkjet printing technique; and - fixing the applied ink on the substrate. The method is characterized in that the substrate has a surface tension of > 35 mN/m, preferably > 38 mN/m, and the ink has a surface tension of < 30 mN/m, preferably < 25 mN/m, when fixed on the substrate. The ink is applied into substrate regions which should not have printing ink during the offset printing process.

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

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING CURRENT VEHICLE SPECIFIC ORIENTATION DATA FOR A VEHICLE

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | 1:G01C21/26,B60T7/12,F16H61/20 :10 2011 079 886.2 :27/07/2011 :Germany | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany |
|--|---|--|
| (86) International Application No Filing Date (87) International Publication | :PCT/EP2012/063567 :11/07/2012 :WO 2013/013978 | (72)Name of Inventor : 1)BREUING Holger |
| No (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method and an apparatus for determining current orientation data for a vehicle (3) relative to a world coordinate system are described. These first of all involve a reference object (21, 25, 29), which typically has a prescribed orientation (23, 27, 31) relative to the world coordinate system, being recognized by means of an object recognition system that is fitted in the vehicle (3), for example with a video sensor system (5, 7, 9). Next, the orientation 10 (23, 27, 31) of the reference object (21, 25, 29) relative to a current orientation of the object recognition system (2) and hence relative to a current orientation (19) of the vehicle is determined. Finally, current vehicle-specific orientation data relative to the ascertained orientation (23, 27, 31) of the reference object (21, 25, 29) and hence relative to a world coordinate system can be ascertained therefrom. These orientation data can be used by vehicle 15 functions, such as a braking assistant or the controller of an active chassis, to customize modes of action on the basis of an absolute orientation (19) of the vehicle (3) or a relative orientation of the vehicle (3) to an orientation (17) of the carriageway.

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

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :H02J3/38,H02M3/158 :20 2011 102 068.5 :07/06/2011 :Germany :PCT/EP2012/060768 :06/06/2012 :WO 2012/168338 :NA :NA | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart (72)Name of Inventor : 1)HEIMFARTH Stefan 2)KNAUP Peter 3)LENZ Thomas |
|---|--|---|
| Number Filing Date | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : STEP UP CONVERTER

(57) Abstract :

The invention relates to a step-up converter (4) for stepping up an electrical input DC voltage (USG) to an electrical output DC voltage (UDC) comprising a voltage input having a positive 5 and a negative input node (12, 16) for applying the input DC voltage (USG), a voltage output having a positive and a negative output node (22, 26) for providing the output DC voltage, a first and a second output capacitor means (27, 29) which are connected in series at the voltage output between the positive and negative output nodes (22, 26) and are connected to one another via a centre output node (24), and a first inductor (LP) connected between the positive 10 input node (12) and the positive output node (22), a first switching means (SP), connected between the first inductor (LP) and the centre output node (24), prepared for the clocked switching for stepping up the input voltage (USG) in conjunction with the first inductor (LP), a second inductor (LN) connected between the negative output node (26) and the negative input node (16), a second switching means (SN), connected between the centre output node 15 (24) and the second inductor (LN), for the clocked switching for stepping up the input voltage input voltage (USG) in conjunction with the second inductor (LN), and a total input capacitor means (18), connected at the voltage input between the positive and negative input voltage nodes (12, 16), for picking up and smoothing the input voltage (USG), wherein the first and second inductors (LP, LN) are inductively coupled to one another.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTROCHROMIC NICKEL OXIDE SIMULTANEOUSLY DOPED WITH LITHIUM AND A METAL DOPANT

| (31) Priority Document No:61/5103(32) Priority Date:21/07/2(33) Name of priority country:U.S.A.(86) International Application No:PCT/USFiling Date:20/07/2 | 2011Address of Applicant :One Sage Way Faribault MN 55021U.S.A.S2012/0475692)ALLIANCE FOR SUSTAINABLE ENERGY LLC |
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|--|--|

(57) Abstract :

An electrochromic device (20) comprising a counter electrode layer (28) comprised of lithium metal oxide which provides a high transmission in the fully intercalated state and which is capable of long term stability is disclosed. Methods of making an electrochromic device (20) comprising such a counter electrode (28) are also disclosed.

No. of Pages : 60 No. of Claims : 34

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMBINATION OF PANOBINOSTAT AND RUXOLITINIB IN THE TREATMENT OF CANCER SUCH AS A MYELOPROLIFERATIVE NEOPLASM

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K31/4045,A61K31/519 :61/496750 :14/06/2011 :U.S.A. :PCT/US2012/042174 :13/06/2012 :WO 2012/174061 :NA :NA | (71)Name of Applicant : 1)NOVARTIS AG Address of Applicant :Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor : 1)BAFFERT Fabienne 2)RADIMERSKI Thomas 3)GADBAW Brian |
|---|---|---|
| (62) Divisional to Application | :NA :NA | |

(57) Abstract :

The invention relates to a combination which comprises: (a) Compound A ((R) 3 (4 (7H pyrrolo[2 3 d]pyrimidin 4 yl) 1H pyrazol 1 yl) 3 cyclopentylpropanenitrile) of Formula (A): [Chemical formula should be inserted here as it appears in Abstract in paper form] or a pharmaceutically acceptable salt thereof; and (b) Compound B (N hydroxy 3 [4 [[[2 (2 methyl 1H indol 3 yl) ethyl] amino]methyl]phenyl] 2E 2 propenamide) of Formula (B): [Chemical formula should be inserted here as it appears in Abstract in paper form] or a pharmaceutically acceptable salt thereof; for simultaneous concurrent separate or sequential use especially for use in the treatment of proliferative diseases. The invention also relates to pharmaceutical compositions comprising such a combination and to a method of treating proliferative diseases in a mammal particularly a human with such a combination. The present invention further also relates to a commercial package or product comprising such a combination.

No. of Pages : 80 No. of Claims : 21

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (31) Priority Document No:2(32) Priority Date:2(33) Name of priority country:R(86) International Application No:PFiling Date:2(87) International Publication No:W(61) Patent of Addition to Application:NNumber:NFiling Date:N(62) Divisional to Application Number:N | F02C7/042,B64D33/02 2011116974 29/04/2011 Russia PCT/RU2012/000341 28/04/2012 WO 2012/148318 NA NA NA | (71)Name of Applicant : 1)OTKRYTOE AKCIONERNOE OBSCHESTVO «AVIACIONNAYA HOLDINGOVAYA KOMPANIYA «SUHOI» Address of Applicant :ul. Polikarpova 23B Moscow 125284 Russia (72)Name of Inventor : 1)DAVIDENKO Aleksandr Nikolaevich 2)STRELETS Mihail Yurievich 3)RUNISHEV Vladimir Aleksandrovich 4)BIBIKOV Sergey Yurievich 5)POLYAKOVA Natalya Borisovna 6)SUTSKEVER Anatoly Isaakovich 7)KOSITSIN Aleksandr Anatolevich 8)GAVRIKOV Andrey Yurievich 9)STEPANOV Vladimir Alekseevich |
|---|--|---|
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(54) Title of the invention : ADJUSTABLE SUPERSONIC AIR INLET

(57) Abstract :

The invention relates to aviation technology and more specifically to air inlets for supersonic aircraft propulsion systems. The invention is intended to achieve the technical result of ensuring the stable operation of the engine in all flight regimes up to a Mach number of M=3.0 by adjusting the apex angle of the stages of one of the swept wedges and the minimum area of the flow passage of the air inlet. The adjustable supersonic air inlet comprises an entrance in the form of a flow deceleration system namely a supersonic diffuser (22) consisting of two multi stage swept decelerating wedges (7 20) which form a dihedral angle and a cowl which also forms a dihedral angle all of the edges of the entrance lying in the same plane an air inlet throat situated downstream of the deceleration system and a subsonic diffuser (23) downstream thereof. Seen from the front the entrance of the air inlet is shaped like a rectangle or a parallelogram. The number of stages on the swept wedges (7 20) may be different; likewise the sweep of the wedges may be different from one another and from the corresponding edges of the entrance. With the exception of the first stage all of the stages of one of the two multi stage swept wedges (7 20) are rotatable about an axis situated at the intersection of the first and second stages of the wedge in question forming a movable front panel (11). A movable rear panel (12) is situated in the subsonic diffuser.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : SUPPORT APPARATUS FOR DISPLAY DEVICES AND OTHER OBJECTS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F16M11/08,F16M11/24,F16M13/02 :61/494074 :07/06/2011 :U.S.A. :PCT/US2012/039934 :30/05/2012 :WO 2012/170244 :NA :NA | (71)Name of Applicant : 1)KNOLL INC. Address of Applicant :1235 Water Street East Greenville Pennsylvania 18041 U.S.A. (72)Name of Inventor : 1)SAPPER Richard 2)SNYDER Ronald |
|--|--|--|
| Filing Date | :NA | |

(57) Abstract :

A support apparatus (1) includes an arm assembly (3) attached to a support assembly such that the arm assembly is positionable adjacent to an article of furniture such as a desk or work surface. A mounting device (11) is attached to the arm assembly that is sized and configured to retain a display device. A vertically adjustable attachment mechanism (40) attaches a first end of the counterbalance mechanism to the arm assembly or support assembly. The vertically adjustable attachment mechanism is sized and configured such that a vertical position of the first end of the counterbalance mechanism is adjustable via movement of at least one component of the vertically adjustable attachment mechanism.

No. of Pages : 30 No. of Claims : 20

(19) INDIA

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

(43) Publication Date : 30/01/2015

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| (51) International classification | :H05H1/34 | (71)Name of Applicant : |
| (31) Priority Document No | :13/213980 | 1)ILLINOIS TOOL WORKS INC. |
| (32) Priority Date | :19/08/2011 | Address of Applicant :155 Harlem Avenue Glenview Illinois |
| (33) Name of priority country | :U.S.A. | 60025 U.S.A. |
| (86) International Application No | :PCT/US2012/051269 | (72)Name of Inventor : |
| Filing Date | :17/08/2012 | 1)LEITERITZ Nathan Gerald |
| (87) International Publication No | :WO 2013/028484 | 2)CROWE George Arthur |
| (61) Patent of Addition to Application | .NI 4 | 3)KUSAK Tomas |
| Number | :NA | 4)LAPCIK Zdenek |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 4 | | 1 |

(54) Title of the invention : PLASMA TORCH AND COMPONENTS

(57) Abstract :

A plasma torch is provided having an electrode with a frustoconical end portion. The electrode is received by a plunger during a contact start sequence of the plasma torch and is self releasing from the torch. The electrode may include a shoulder portion that provides concentric alignment and centering of the electrode with respect to the central longitudinal axis of the components. Other components of the torch include a nozzle a swirl ring and retaining cup such that the consumables of the torch may be toollessly removed and installed.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : A BREATHABLE PRODUCT FOR PROTECTIVE MASS TRANSPORTATION AND COLD CHAIN APPLICATIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :61/523502 :15/08/2011 :U.S.A. :PCT/US2012/050984 :15/08/2012 :WO 2013/025827 | (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)REBOUILLAT Serge 2)ZENITI Malik 3)HOPP Guy |
|---|--|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 3)HOPP Guy 4)WALLERICH Sylvain 5)BRABBS Noel Stephen 6)GABRIEL Sabine 7)BLETSOS Ioannis V. |

(57) Abstract :

The present invention concerns a breathable product for protective mass transportation and cold chain applications in particular a reflective sheet for covering temperature sensitive products the reflective sheet having at least a first layer made of a highly reflective moisture vapor permeable substrate having an outer side and an inner side wherein said inner side comprises in addition at least a metal layer deposited by a PVD process to provide a thermal insulation through high reflection low convection while providing controlled moisture vapor permeability.

No. of Pages : 46 No. of Claims : 29

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : CHANNEL ESTIMATION FOR AVERY LARGE SCALE MIMO SYSTEM USING PILOT REFERENCE SIGNALS TRANSMITTED ON SELECTED SETS OF TRANSMIT ANTENNAS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :H04L25/02,H04B7/06,H04B7/04 :61/484047 :09/05/2011 :U.S.A. | (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :16483 Stockholm Sweden (72)Name of Inventor : |
|--|--|---|
| (86) International Application No Filing Date (87) International Publication | :PCT/IB2012/051385 :22/03/2012 :WO 2012/153204 | 1)GUEY Jiann Ching 2)BALACHANDRAN Kumar 3)HUI Dennis |
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

A transmitter receiver and method for channel estimation for a Multiple Input Multiple Output M1M0 communication system in which the transmitter includes a multiplicity of transmit antennas spaced such that spacing between adjacent antennas provides a spatial correlation coefficient greater than a threshold level The transmitter selects a subset of the multiplicity of transmit antennas for transmitting pilot reference signals. The pilot reference signals are transmitted only from the selected subset of transmit antennas to the receiver. The receiver includes a channel estimator configured to derive a channel estimation for all of the multiplicity of transmit antennas using the received pilot reference signals and knows or estimated spatial correlation among the multiplicity of transmit antennas.

No. of Pages : 26 No. of Claims : 22

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND BASE STATION FOR HANDOVER CONTROL IN A HETEROGENOUS NETWORK HAVING CELL LAYERS WITH DIFFERENT I.E. SYMMETRIC AND ASYMMETRIC UPLINK (UL) AND DOWNLINK (DL) RESOURCE ALLOCATIONS

| (51) International classification (31) Priority Document No (32) 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 :PCT/SE2011/050688 :01/06/2011 :WO 2012/166029 :NA | (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden (72)Name of Inventor : 1)RUNE Johan 2)LANDSTR-M Sara 3)SIMONSSON Arne |
|--|---|--|
| Application Number Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a base station (BS) and to a method for controlling handover in a wireless communication system. The BS is serving a first cell in a first cell layer overlapping with a second cell layer wherein the first cell has a different distribution of configured amounts of uplink and downlink resources than a second cell in the second cell layer. The method comprises monitoring (410) amounts of uplink and downlink resources used by a first user equipment in the first cell. It also comprises adjusting (420) at least one parameter controlling a handover of the first user equipment to a second cell in the second cell layer based on the monitored amounts of uplink and downlink resources used by the first user equipment and on information regarding configured amounts of uplink and downlink resources used by the second cell respectively. This is done such that it is more likely that the first user equipment will be served by one of the first and second cells with a good match to a distribution of the monitored amounts of uplink and downlink resources to a distribution of the configured amounts of uplink and downlink resources.

No. of Pages : 36 No. of Claims : 28

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : PLASMA TORCH AND RETAINING CAP WITH FAST SECURING THREADS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application | :13/213941 :19/08/2011 :U.S.A. | Address of Applicant :155 Harlem Avenue Glenview Illinois 60025 U.S.A. (72)Name of Inventor : 1)LEITERITZ Nathan Gerald |
|---|--------------------------------------|--|
| No Filing Date | :17/08/2012 | 2)CROWE George Arthur |
| (87) International Publication No | :WO 2013/028487 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A retaining cap (56) for a plasma torch is provided that includes fast securing threads (85 87). The retaining cap includes internal threads (85) that couple to external threads (87) of a torch body (58) of the plasma torch. The internal and external threads may be multiple start threads having a thread angle greater than 60° . Plasma torches and plasma cutting systems are also provided.

No. of Pages : 29 No. of Claims : 20

(19) INDIA

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

(43) Publication Date : 30/01/2015

(51) International classification :A61Q5/06 (71)Name of Applicant : (31) Priority Document No :61/492844 **1)THE PROCTER & GAMBLE COMPANY** (32) Priority Date Address of Applicant : One Procter & Gamble Plaza Cincinnati :03/06/2011 (33) Name of priority country Ohio 45202 U.S.A. :U.S.A. (86) International Application No :PCT/US2012/039357 (72)Name of Inventor : 1)OKU Taisuke Filing Date :24/05/2012 (87) International Publication No :WO 2012/166519 2)UEHARA Nobuaki (61) Patent of Addition to Application 3)HASEGAWA Jun :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : CLEAR HAIR CARE COMPOSITION COMPRISING BASE OIL AND SILICONE

(57) Abstract :

Disclosed is a non aqueous hair care composition comprising by weight: (a) from about 65% to about 99.9% of a base oil consisting of: an volatile isoparaffin; a first non volatile mineral oil having a lower viscosity and density; and a second non volatile mineral oil having a higher viscosity and density; and (b) from about 0.1% to about 15% of a non volatile silicone conditioning agent.

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

(21) Application No.1083/DELNP/2014 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

(51) International classification :H04L (71)Name of Applicant : (31) Priority Document No 1)InterDigital Technology Corporation :60/676,345 (32) Priority Date Address of Applicant :3411 Silverside Road, Concord Plaza, :29/04/2005 (33) Name of priority country Suite 105, Hagley Building, Wilmington, Delaware 19810, USA :U.S.A. (86) International Application No :PCT/US2006/015275 U.S.A. Filing Date :24/04/2006 (72)Name of Inventor : (87) International Publication No : NA 1)TERRY, Stephen, E. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :8446/DELNP/2007 Filed on :01/11/2007

(54) Title of the invention : MAC MULTIPLEXING AND TFC SELECTION PROCEDURE FOR ENHANCED UPLINK

(57) Abstract :

A method implemented in a wireless communication system including a wireless transmit/receive unit (WTRU), a Node-B and a radio network controller (RNC) for quantizing multiplexed data allowed by grants to closely match a selected enhanced uplink transport format combination (E-TFC) transport block size is disclosed. The amount of scheduled and non-scheduled data allowed to be transmitted is quantized so that the amount of data multiplexed into an enhanced uplink (EU) medium access control (MAC-e) protocol data unit (PDU) more closely matches the selected E-TFC transport block size. In an embodiment, the amount of buffered data allowed to be multiplexed by at least one grant, (a serving grant and/or a non-serving grant), is quantized so that the sum of scheduled and non-scheduled data including MAC header and control information multiplexed into a MAC-e PDU more closely matches the selected E-TFC transport block size.

No. of Pages : 45 No. of Claims : 24

(21) Application No.1010/DELNP/2014 A

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITION DISPENSING DEVICE COMPRISING A MOISTURIZING 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 N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :PCT/US2012/050886 :15/08/2012 o:WO 2013/025772 :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 Massachusetts 02127 U.S.A. (72)Name of Inventor : 1)JONES Neil John 2)STEPHENS Alison Fiona 3)SCHWARTZ James Robert |
|---|--|---|
| | :NA :NA | |

(57) Abstract :

A composition dispensing device containing a moisturizing personal care composition suitable for use on wet skin.

No. of Pages : 38 No. of Claims : 15

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : ISOLATION AND PROTECTION CIRCUIT FOR A RECEIVER IN A WIRELESS COMMUNICATION 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 | :61/485458 :12/05/2011 :U.S.A. :PCT/EP2012/058718 :11/05/2012 :WO 2012/152902 :NA :NA :NA | (71)Name of Applicant : 1)ST Ericsson SA Address of Applicant :Chemin du Champ des Filles 39 CH 1228 Plan les ouates Switzerland (72)Name of Inventor : 1)GANTI Ramikshore 2)RANGANATHAN Sanjeev 3)SRIDHARAN Srinath |
|---|---|--|
| Filing Date | :NA | |

(57) Abstract :

A protection circuit protects a receiver from high energy signals. In one exemplary embodiment the protection circuit comprises a snapback transistor and a controller. The snapback transistor comprises a gate a drain connected to an input of the receiver and a source connected to ground. The controller configured to connect the gate to a bias voltage to close the gate in a transmit mode and to disconnect the gate from the bias voltage to open the gate in a receive mode. The snapback transistor is configured to enter into snapback responsive to a high energy signal at the drain to provide a current path from the drain to the source even when the gate is open and thus protect the receiver.

No. of Pages : 15 No. of Claims : 12

(21) Application No.1027/DELNP/2014 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : AMIDO FLUOROPHOSPHITE COMPOUNDS AND CATALYSTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :13/210986 :16/08/2011 :U.S.A. | (71)Name of Applicant : 1)EASTMAN CHEMICAL COMPANY Address of Applicant :200 South Wilcox Drive Kingsport TN 37660 U.S.A. (72)Name of Inventor : |
|--|--------------------------------------|--|
| Filing Date | :03/08/2012 | 1)PUCKETTE Thomas Allen |
| (87) International Publication No | :WO 2013/025363 | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

Amido fluorophosphite compounds and catalyst systems comprising at least one amido fluorophosphite ligand compound in combination with a transition metal are described. Moreover the use of amido fluorophosphite containing catalysts for transition metal catalyzed processes especially to the hydroformylation of various olefins to produce aldehydes are also described.

No. of Pages : 36 No. of Claims : 20

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : PNEUMATIC TIRE

| (51) International | :B60C11/11,B60C11/04,B60C11/13 | (71)Name of Applicant : |
|---|--------------------------------|--|
| classification (31) Priority Document No | :2011161237 | 1)BRIDGESTONE CORPORATION Address of Applicant :10 1 Kyobashi 1 chome Chuo ku Tokyo |
| | :22/07/2011 | 1048340 Japan |
| (33) Name of priority country | Japan | (72)Name of Inventor : |
| (86) International Application No Filing Date | :20/07/2012 | 1)TSUCHIYA Tatsuo |
| (87) International Publication No | :WO 2013/014897 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | ^h :NA :NA | |

(57) Abstract :

Provided is a pneumatic tire which is configured so that the pneumatic tire has increased resistance to external damage to minimize the occurrence of damage to the tire and so that the tire has satisfactory noise performance. A pneumatic tire has disposed on the tread thereof at least three land rows (8 9L 9R 10L 10R) defined and formed by two or more circumferential main grooves (6L 6R 7L 7R) and the tread ends (TE). The at least three land rows include a center land row (8) located on the equator (C) of the tire. The center land row (8) comprises blocks divided by lateral grooves (11) connecting the two circumferential main grooves (6L 6R) which are adjacent to each other. Each of the lateral grooves (11) comprises: a pair of lateral groove bodies (11a 11b) the first lateral groove body (11a) extending from one end of the center land row (8) toward the equator of the tire and terminating in land the second lateral groove body (11b) extending from the other end of the center land row (8) toward the equator of the tire and terminating in the land the terminating end of the first lateral groove body (11a) and the terminating end of the second lateral groove body being separated from each other in the circumferential direction of the tire; and a communication section (17) for connecting in the circumferential direction of the tire the terminating end of the second lateral groove body (11b). The dimension of the center land row (8) in the width direction of the tire is greater than the dimension of any one of the remaining land rows (9L 9R 10L 10R) of the at least three land rows.

No. of Pages : 28 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SEPARATIC | N PROCESS | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12P7/56,C12P41/00 :1112297.5 :15/07/2011 :U.K. :PCT/GB2012/051695 :16/07/2012 :WO 2013/011295 :NA :NA :NA :NA | (71)Name of Applicant : 1)PLAXICA LIMITED Address of Applicant :Imperial College Incubator Level 1 Bessemer Building Imperial College London Greater London SW7 2AZ U.K. (72)Name of Inventor : 1)MARSHALL Edward Leslie 2)OSEI TUTU Jade Jocelyn Afriye 3)SMITH Stephen Alexander Calder |

(57) Abstract :

A process for treating a mixture of R,R- and S,S- lactide is provided. The process involves contacting the mixture with an aliphatic alcohol and an enzyme in the presence of a ketone solvent to produce a mixture comprising aliphatic ester of lactic acid corresponding to one lactide enantiomer, and the aliphatic ester of lactyllactic acid corresponding to the other lactide enan - tiomer. Also provided are processes for the production of S-lactic acid, S,S-lactide, poly-S-lactic acid, R-lactic acid, poly-R-lactic acid and stereocomplex polylactic acid.

No. of Pages : 22 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SEPARATIC | N PROCESS | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12P7/56,C12P41/00 :1112297.5 :15/07/2011 :U.K. :PCT/GB2012/051698 :16/07/2012 :WO 2013/011298 :NA :NA :NA :NA | (71)Name of Applicant : 1)PLAXICA LIMITED Address of Applicant :Imperial College Incubator Level 1 Bessemer Building Imperial College London Greater London SW7 2AZ U.K. (72)Name of Inventor : 1)MARSHALL Edward Leslie 2)OSEI TUTU Jade Jocelyn Afriye 3)SMITH Stephen Alexander Calder |

(57) Abstract :

A process for treating a mixture of R,R- and S,S- lactide is provided. The process involves contacting the mixture o with an aliphatic alcohol and an enzyme to produce a mixture comprising aliphatic ester of lactic acid corresponding to one lactide enantiomer and the aliphatic ester of lactyUactic acid corresponding to the other lactide enantiomer; separating the mixture from the enzyme, and recycling the enzyme to the process; and separating the aliphatic ester of lactic acid from the aliphatic ester of lactyllactic acid by fractional distillation. Also provided are processes for the production of S-lactic acid, S,S- lactide, poly-S-lactic acid, R-lactic acid, R,R-lactice, poly-R-lactic acid and stereocomplex polylactic acid.

No. of Pages : 28 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

DETERMINATION DEVICE AND RECORDING MEDIUM (51) International classification :C23C2/28,C23C2/06 (71)Name of Applicant : (31) Priority Document No **1)NIPPON STEEL & SUMITOMO METAL** :NA (32) Priority Date :NA CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku (33) Name of priority country :NA (86) International Application No :PCT/JP2011/069323 Tokvo 1008071 Japan (72)Name of Inventor : Filing Date :26/08/2011 (87) International Publication No :WO 2013/030904 1)YAMADA Hirohisa (61) Patent of Addition to Application 2)SUGIURA Masato :NA Number **3)SUZUKI Satoshi** :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : ALLOYING LOCATION DETERMINATION METHOD ALLOYING LOCATION

(57) Abstract :

[Problem] To more precisely determine an alloying location even for a process which is increasingly being used in recent years whereby inductive heating is used in a stage prior to alloying and a steel plate is alloyed while being slow cooled in a heat retention zone. [Solution] This alloying location determination method includes: a step wherein information related to radiance measurement results is obtained from each of multiple radiation thermometers which are arranged near a heat retention zone of a hot dip galvanizing line in the transport direction of a steel plate in the heat retention zone and which measure the radiance of the steel plate being transported; a step wherein information related to the temperature decrease pattern of the steel plate in conjunction with changes in the transport direction location within the heat retention zone and information related to the installation locations of the radiation thermometers are used to estimate the steel plate temperature at the locations where the radiation thermometers are installed; a step wherein the estimated steel plate temperature at the locations where the radiation thermometers are installed; and a step wherein the alloying location is determined on the basis of the calculated emissivity.

No. of Pages : 64 No. of Claims : 9

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR PREPARING ACYLGLYCINATES AND COMPOSITIONS COMPRISING SUCH COMPOUNDS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International (37) International Publication No (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (57) Abstract i | (71)Name of Applicant : 1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O. Box 662 Road Town Tortola VIRGIN ISLANDS (72)Name of Inventor : 1)KLUG Peter 2)SCHERL Franz Xaver |
|--|---|
|--|---|

(57) Abstract :

A process is described for preparing acylglycinates of the formula (I) wherein R is a linear or branched saturated alkanoyl group having 6 to 30 carbon atoms or is a linear or branched singly or multiply unsaturated alkenoyl group having 6 to 30 carbon atoms and Q is a cation selected from the alkali metals Na and K the process being characterized in that glycine is reacted with fatty acid chloride RCl wherein R possesses the definition stated in formula (I) in water and in the presence of a basic alkali metal compound which yields cations Q selected from Na and K but in the absence of organic solvents at 25 50°C and the fraction of fatty acid chloride RCl containing unsaturated acyl groups R having 18 carbon atoms based on the total amount of fatty acid chloride used is greater than or equal to 2.0% by weight and at the same time the fraction of fatty acid chloride containing saturated acyl groups having 8 and 10 carbon atoms based on the total amount of fatty acid chloride used is greater than or equal to in each case 3.0% by weight. Also described are compositions comprising acylglycinates of the formula (I).

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITIONS AND METHODS FOR INDUCING APOPTOSIS

| (32) Priority Date:12/08/2011A(33) Name of priority country:U.S.A.Gaith(86) International Application:PCT/US2012/050249(72)N | I)VIRXSYS CORPORATION Address of Applicant :200 Perry Parkway Suite 1A aithersburg Maryland 20877 U.S.A. 2)Name of Inventor : I)MCGARRITY Gerard John |
|--|---|
|--|---|

(57) Abstract :

Methods and compositions are provided for generating novel nucleic acid molecules through targeted spliceosome mediated RNA splicing (SMaRT) that result in expression of a splicing isoform or variant thereof. The methods and compositions are based upon pre trans splicing molecules (PTMs) designed to interact with a target pre mRNA molecule and mediate a t splicing reaction generating a novel chimeric RNA molecule encoding a splicing isoform for the treatment of a variety of gene isoform induced diseases such as cancer.

No. of Pages : 51 No. of Claims : 22

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM FOR SUPERVISING ACCESS TO RESTRICTED AREA AND METHOD FOR CONTROLLING SUCH A SYSTEM

| (31) Priority Document No(32) Priority Date(33) Name of priority country | :E05F15/00,E05F15/20,G07C9/00 :11 01768 :09/06/2011 :France | (71)Name of Applicant : 1)THALES Address of Applicant :45 rue de Villiers F 92200 Neuilly Sur Seine France |
|--|--|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/060574 :05/06/2012 :WO 2012/168223 | (72)Name of Inventor : 1)RAYNAL Christophe |
| (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 a system (10) for supervising access to a restricted area including at least one obstacle (16) that is mobile between a deployed configuration in which said obstacle extends across a passageway (14) for the entry and/or exit to/from said restricted area and a stowed configuration in which said obstacle is removed from said passageway (14). The system (10) also includes a means (18) for driving the obstacle (16) between the deployed configuration and the stowed configuration a device for measuring the position of the obstacle (16) and a module for controlling the drive means (18). The control module is suitable for comparing the measured position (P) of the obstacle (16) at at least one moment in time with a theoretical position of the obstacle (16) at said moment in time and to derive a rule for controlling the drive means (18).

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

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : FLEXIBLE PLASTIC HOSE AND METHOD FOR ITS 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 (62) Divisional to | :B29C53/78,B29L23/18,F16L11/127 :2011/0314 :23/05/2011 :Belgium :PCT/IB2012/052586 :23/05/2012 n :WO 2012/160524 :NA :NA | (71)Name of Applicant : PLASTIFLEX GROUP Address of Applicant :Beverlosesteenweg 99 B 3583 Paal Beringen Belgium (72)Name of Inventor : DIELS Domin KERKHOFS Marnix |
|--|---|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

Flexible plastic hose comprising a flexible wall made out of a plurality of laterally connected windings of a helically wound profile wherein the windings of the profile are attached to each other by means of a weld wherein the profile comprises a web part (7) with predetermined properties for providing flexibility to the hose and wherein the profile ends on both sides in an upright part (61 81). The weld is located between the upright part (61 81) of the adjacent windings and together with these upright parts forms a helical reinforcement rib on the flexible wall of the hose with predetermined properties for providing hub strength to the hose.

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

(19) INDIA

(22) Date of filing of Application :26/12/2013

(54) Title of the invention : POWER SUPPLY SYSTEM

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :2011144212 :29/06/2011 :Japan :PCT/JP2012/064432 :05/06/2012 :WO 2013/001989 :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)ISHIGAKI Masanori 2)TOMURA Shuji 3)YANAGIZAWA Naoki 4)UMENO Takaji 5)OKAMURA Masaki 6)NOBE Dajgo |
|---|--|---|
| (62) Divisional to Application NumberFiling Date | :NA :NA | 6)NOBE Daigo |

(57) Abstract :

A power source system (5) includes a direct current power source (10), a direct current power source (20), and a power converter (50) having a plurality of switching 5 elements (S1-S4) and reactors (LI, L2). The power converter (50) performs a direct current voltage conversion between the direct current power sources (10, 20) and a power source line (PL) in parallel by controlling the switching elements (S1-S4). Each of the switching elements (S1-S4) is disposed to be included in both a power conversion path formed between the direct current power source line (PL), and 10 a power conversion path formed between the direct current power source line (PL). A phase difference $\{<\}$ between a carrier signal used for a pulse width modulation control to perform the direct current voltage conversion for the direct current power source (20) 15 is controlled according to the operation condition of the power converter (50).

No. of Pages : 89 No. of Claims : 18

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MAGNETIC COMPOSITE PARTICLES FOR DECONTAMINATION AND METHOD FOR PRODUCING SAME AND SYSTEM FOR DECONTAMINATING RADIOACTIVE MATERIALS AND METHOD FOR DECONTAMINATING RADIOACTIVE MATERIALS

(57) Abstract :

Provided is a radioactive material recovery system and a radioactive material recovery method capable of recovering radioactive material with high efficiency. The radioactive material recovery system according to the present invention removes radioactive material (radioactive cesium (21)) from a liquid (radiation tainted water (20)). The radioactive material recovery system is provided with: a radioactive material trapping complex (1) serving as a means for removing radioactive material from the liquid and containing at least magnetic particles (10) and a radioactive material trapping compound (11) that traps radioactive material; and a magnetic accumulating means (30) for accumulating the radioactive material trapping complex (1).

No. of Pages : 128 No. of Claims : 25

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No:B66B1/32,B66B1/46 :NA(71)Name of Applicant : 1)OTIS ELEVATOR COMPANY Address of Applicant :10 Farm Springs Farmington | (54) Title of the invention : ELEVATOR | BRAKE CONTROL | |
|---|---|---|---|
| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (90) 2013/052051 (1) ROGERS Kyle W. | (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :B66B1/32,B66B1/46 :NA :NA :NA :PCT/US2011/055042 :06/10/2011 :WO 2013/052051 :NA :NA | 1)OTIS ELEVATOR COMPANY Address of Applicant :10 Farm Springs Farmington Connecticut 06032 U.S.A. (72)Name of Inventor : |

(57) Abstract :

An exemplary elevator brake control device includes a relay switch that is associated with a safety chain configured to monitor at least one condition of a selected elevator system component. The relay switch is selectively closed to allow power supply to an electrically activated elevator brake component responsive to the monitored condition having a first status. The relay switch is selectively opened to prevent power supply to the brake component responsive to the monitored condition having a second different status. A solid state switch is in series with the relay switch between the relay switch and the brake component. A driver selectively controls the solid state switch to selectively allow power to be supplied to the brake component only if the relay switch is closed and the monitored condition has the first status.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPLEXES OF HERBICIDAL CARBOXYLIC ACIDS AND AMINE CONTAINING POLYMERS OR 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 | :15/08/2012 :WO 2013/025758 :NA | (71)Name of Applicant : 1)DOW AGROSCIENCES LLC Address of Applicant :9330 Zionsville Road Indianapolis IN 46268 U.S.A. (72)Name of Inventor : 1)LIU Lei 2)ZHANG Hong 3)KENNEDY Alex 4)TANK Holger |
|---|---------------------------------------|---|
| | :NA :NA :NA :NA | |

(57) Abstract :

Complexes of herbicidal carboxylic acids and amine containing polymers or oligomers are provided. These herbicidal complexes are useful for controlling unwanted plant growth. The herbicidal complexes have low solubility in water low volatility relative to commercial compositions of the corresponding herbicidal carboxylic acids and offer similar or improved herbicidal performance when compared to existing salts of the herbicidal carboxylic acids.

No. of Pages : 44 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MICROBIOCIDAL HETEROCYCLES

| (51) International classification :C07D401/06,C07D401/12,C07D401/14 (31) Priority Document No :61/503257 (32) Priority Date :30/06/2011 (33) Name of priority country :U.S.A. (86) International :PCT/EP2012/062428 :27/06/2012 *WO 2013/000943 (61) Patent of Addition to Application No :NA :Filing Date :NA :Piling Date :NA :Piling Date :NA :Piling Date :NA :Piling Date :NA :NA :Piling Date :NA | (71)Name of Applicant : SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel Switzerland (72)Name of Inventor : SULZER MOSSE Sarah LAMBERTH Clemens CEDERBAUM Fredrik Emil Malcolm |
|---|---|
|---|---|

(57) Abstract :

The present invention relates to het erocyclic compounds of formula I which have microbiocidal activity, in particular fungicidal activity as well as methods of using the compounds of for mula (I) to control microbes: wherein A is x- C(R 1 R)-C(=O)-, x-C(R 1 R 1)-C(=S)-, x-O-C(=O)-, (I) x-O-C(=S)-, x-N(R 1)-C(=O)-, x-N(R 15)-C(=S)-, x- C(R 1 R 17)-S0 2- or x-N=C(R)-ž in each case x in dicates the bond that is connected to R 1; T is CR 18 or N; Y1, Y2, Y3, and Y4 are independently CR 19 or N; Q is O or S; n is 1 or 2; p is 1 or 2, providing that when n is 2, p is 1. R 1 is (formula A) R2, R3, R4, R5, R6, R7, R 10, R 11, R 12, R 13, R 16, R 17, R 1 , R 19 and R30 each independently are hydrogen, halogen, cyano, Ci-C alkyl, or -C haloalkyl; R8, R 14 and R 15 each F independently are hydrogen or Ci-C 4alkyl; and R9 is phenyl, benzyl or group (a), wherein the phenyl, benzyl and group (a) are each optionally substituted with 1 to 3 substituents independently selected from (A) C 1 alkyl, C 1 haloalkyi, halogen, cyano, hy droxy and amino; or a salt or a N-oxide thereof.

No. of Pages : 53 No. of Claims : 15

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TOROIDAL VARIABLE SPEED TRACTION DRIVE

| (51) International classification (31) Priority Document 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/AU2012/000476 :04/05/2012 :WO 2012/151615 | (71)Name of Applicant : 1)ULTIMATE TRANSMISSIONS PTY LTD Address of Applicant :31 Phillip Street Strathfield NSW 2135 Australia (72)Name of Inventor : 1)DURACK Michael |
|--|--|--|
| Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A toroidal variable speed traction drive is provided. The drive comprises a driving disc (11) and a driven disc (10). The discs (10 11) have a common axis of rotation. The inner face of each disc (10 11) is formed with a negative shape of a toroid. The drive further comprises a plurality of roller assemblies interposed between the discs (10 11) each roller assembly comprising a roller (1). The discs (10 11) are urged together against the interposed roller assemblies by a clamping force. Each roller (1) of each roller assembly contacts each disc (10 11) at contact points (38 39); each roller assembly being connected to a corresponding rotatable trunnion (28); each trunnion (28) having a rotational axis which passes through a toroidal cavity formed by the opposing shaped inner faces of the discs (10 11); wherein by rotating a trunnion (28) about the trunnion rotational axis the trunnion (28) applies a steering force to the corresponding roller assembly at a point relative to the corresponding roller assembly; the applied steering force causing the roller (1) of the corresponding roller assembly to steer and adopt different contact points (38 39); wherein the point at which the steering force is applied is located offset from the trunnion rotational axis at a fixed distance and also located offset a line which intersects the contact points (38 39).

No. of Pages : 27 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : NASAL FILT | TER 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 | :A61M15/08 :61/482275 :04/05/2011 :U.S.A. :PCT/US2012/035048 :25/04/2012 :WO 2012/151095 :NA :NA :NA :NA | (71)Name of Applicant : FIRST DEFENSE HOLDINGS LLC Address of Applicant :7143 State Road 54 Suite 117 New Port Richey FL 34653 U.S.A. (72)Name of Inventor : MOORE Joseph K. |

(57) Abstract :

A nasal filter structure includes an artificial filter that inconspicuously covers the nasal passage with a screened nasal dilator. The structure includes a nasal dilation strip preferably positioned to affect the area of nasal flex points to aid in dilating a nasal passage in an area near a nasal flex point.

No. of Pages : 21 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :B08B3/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10 2011 083 081.2 | 1)DRR ECOCLEAN GMBH |
| (32) Priority Date | :20/09/2011 | Address of Applicant :M ¹ / ₄ hlenstrasse 12 70794 Filderstadt |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/068510 | (72)Name of Inventor : |
| Filing Date | :20/09/2012 | 1)KREIS Thomas |
| (87) International Publication No | :WO 2013/041608 | 2)DAVID Hermann Josef |
| (61) Patent of Addition to Application | :NA | 3)K,,SKE Egon |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alexandria | | |

(54) Title of the invention : CLEANING SYSTEM

(57) Abstract :

The invention relates to a system (200) for cleaning workpieces (202 204 206) comprising a cleaning device in particular a cleaning device (218 240) for applying a cleaning fluid to a workpiece (204). In the system a device (254) for detecting a (first) soiling state (S) for example in the form of an initial soiling of a workpiece (204) before cleaning in the system and/or a device (254) for detecting a (second) soiling state (S) for example in the form of a residual soiling (S) of a workpiece (208) cleaned in the system are/is provided. The system (200) contains an assembly (130 266) that determines a system operating state (A B C) and/or sets at least one process parameter (P) of a cleaning process in the system according to a first and/or second soiling state (S S) detected for workpieces (108 208).

No. of Pages : 42 No. of Claims : 21

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS BY MEANS OF WHICH PHARMACEUTICAL PRODUCTS IN THE FORM OF TABLETS HARD GELATIN CAPSULES OR THE LIKE ARE RETAINED AND POSITIONED IN A PACKAGING INSTALLATION

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | n:B65B23/00,B65B5/10,B65B59/00 :10 2011 080 746.2 :10/08/2011 :Germany | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany |
|--|---|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/063324 :06/07/2012 :WO 2013/020763 | (72)Name of Inventor :1)FRANCK Thomas2)MIHALEK Thomas |
| (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 apparatus (10) by means of which pharmaceutical products (1) in the form of tablets hard gelatin capsules or the like are retained and positioned in a packaging installation (100) having a carrier element (11) which has a multiplicity of format dependent holders (27) for the products (1) wherein the carrier element (11) can be fastened preferably in an interchangeable manner on a conveying apparatus (12) of the packaging installation (100). According to the invention it is provided that there is a retaining element (30) in operative connection with the carrier element (11) the retaining element having for each product (1) a respective clamping element (32) in alignment with the respective holder (27) and that the retaining element (30) is arranged for movement between two positions in relation to the carrier element (11) such that in a first position in order for the products (1) to be introduced into the holders (27) and/or discharged therefrom the clamping elements (32) are not in contact with the products (1) and that in a second position the clamping elements (32) fix the products (1) in the holders (27).

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

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD FOR CONTROLLING TRANSACTION EXCHANGES BETWEEN TWO INTEGRATED CIRCUITS

| (51) International classification | :G06F1/32 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :11290315.8 | 1)ERICSSON MODEMS SA |
| (32) Priority Date | :06/07/2011 | Address of Applicant : Chemin du Champ des Filles 39 CH |
| (33) Name of priority country | :EPO | 1228 Plan les Ouates Switzerland |
| (86) International Application No | :PCT/EP2012/063295 | (72)Name of Inventor : |
| Filing Date | :06/07/2012 | 1)BALAKRISHNAN Bipin |
| (87) International Publication No | :WO 2013/004825 | 2)GOULAHSEN Abdelaziz |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A method for controlling transaction exchanges between two integrated circuits (12, 14) in a system (10) comprising: - the two integrated circuits (12, 14), - a power supply for powering a link between the two integrated circuits, thereby enabling o transaction exchanges between both integrated circuits (12, 14), - a controller (40) controlling the integrated circuits (12, 14) and the power supply, the method comprising the steps of: a) receiving an order at the controller (40) to lower an amount of power supplied o by the power supply to the link, b) sending an instruction from the controller (40) to both integrated circuits (12, 14) to prevent the integrated circuits (21, 14) from initiating new transactions, c) lowering the power supplied to the link once any pending transactions have been executed. The method enables to reliably close the link.

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

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : PALM OLEIN | 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 | :A23D9/013 :1112729.7 :25/07/2011 :U.K. :PCT/IB2012/053787 :25/07/2012 :WO 2013/014622 :NA :NA | (71)Name of Applicant : 1)DUPONT NUTRITION BIOSCIENCES APS Address of Applicant :Langebrogade 1 P.O. Box 17 1001 Copenhagen K Denmark (72)Name of Inventor : 1)FORREST Brad Alexander 2)BECH Allan Torben 3)NIELSEN Jens Mogens |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

There is provided a palm olein composition comprising: (a) palm olein oil (b) (i) a lactic acid ester selected from an ester of lactic acid and a C12 to C22 fatty acid, salts thereof and mixtures thereof; or (ii) a fumaric acid ester selected from an ester of fumaric acid and a C12 to C22 fatty alcohol, salts thereof and mixtures thereof.

No. of Pages : 57 No. of Claims : 45

(21) Application No.11136/DELNP/2013 A

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MULTI MODE PROCESSING OF TEXTURE BLOCKS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :G06T9/00,G06T15/04,H04N7/26 :NA :NA :NA :PCT/SE2011/050935 :08/07/2011 :WO 2013/009224 :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)STR-M Jacob |
|---|---|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

Multi-mode decoding and encoding of tex ture blocks (1) are disclosed wherein in a default decoding and encoding mode all bits of a codeword sequence are available as payload bits for representing texel values of the texels (2) in the texture block (1). In an auxiliary encoding and decoding mode one less bit of the codeword sequence is READ CODEWORD PORTION available as payload bits. The auxiliary mode is employed as a complement to the default mode and will be used to pro cess those texture blocks (1), which the default mode SELECT handles poorly.

No. of Pages : 50 No. of Claims : 14

(21) Application No.11137/DELNP/2013 A

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :H04L12/26 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :NA | 1)TELEFONAKTIEBOLAGET LM 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/SE2011/050952 | 1)VALL LLOSERA Gemma |
| Filing Date | :18/07/2011 | 2)URBAN Patryk |
| (87) International Publication No | :WO 2013/012361 | 3)GIORGI Luca |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1171 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : OTM FUNCTIONALITY IN SOA BASED TRANSCEIVERS

(57) Abstract :

A method and arrangement in an Optical Network Terminal, ONT for monitoring the state of an Optical Distribution Network, ODN, in a Passive Optical Network, PON, is provided. The ONT receives an optical signal, from an Optical Line Termin o al, OLT, having optical power, P o causing a Semiconductor Optical Amplifier, SOA, comprised in the ONU, to reach a saturated state. One or more parameters are measured. The parameters relates to the power provided from a power source to the SOA during a predefined time period, where the SOA is in a saturated state during the predefined time period. Information relating to the measured parameters are provided to the OLT and thereby enabling the OLT to compare the current state of the ODN to a previously measured reference state of the ODN.

No. of Pages : 28 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :14/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :H04M (71)Name of Applicant : (31) Priority Document No **1)QUALCOMM Incorporated** :11/141,807 (32) Priority Date Address of Applicant :ATTN: International IP Administration. :31/05/2005 (33) Name of priority country 5775 Morehouse Drive, San Diego, California 92121-1714, USA :U.S.A. (86) International Application No :PCT/US2006/020705 U.S.A. Filing Date :31/05/2006 (72)Name of Inventor : (87) International Publication No : NA 1)YU Julie (61) Patent of Addition to Application 2)OLIVER Mitchell B. :NA Number **3)HOREL Gerald Charles** :NA Filing Date **4)NGUYEN Phil Tien** (62) Divisional to Application Number :9086/DELNP/2007 5)PRAST Sandra L. Filed on :31/05/2006 **6)PATWARI Jaiteerth**

(54) Title of the invention : WIRELESS SUBSCRIBER BILLING AND DISTRIBUTION

(57) Abstract :

Systems and methods for generating and responding to billigr equests in a wireless subscriber billing system are disclosed. A billing request can be generated at a trusted service. The billing request including billing information is communicated to a wireless subscriber billing system. A validation response to the billing request is generated in the wireless subscriber billing system and the validation response is communicated to the trusted service.

No. of Pages : 53 No. of Claims : 8

(21) Application No.10181/DELNP/2013 A

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AUTOMATIC ASEPTIC SAMPLING VALVE FOR SAMPLING FROM ENCLOSED CONTAINERS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :C12M3/00,C12M1/00,G01N1/20 :61/483559 :06/05/2011 :U.S.A. | (71)Name of Applicant : 1)BEND RESEARCH INC. Address of Applicant :64550 Research Road Bend OR 97701 U.S.A. |
|--|---|--|
| (86) International Application No Filing Date | :PCT/US2012/036652 :04/05/2012 | (72)Name of Inventor :1)NEWBOLD David D.2)MILLARD Douglas L. |
| (87) International PublicationNo(61) Patent of Addition toApplication Number | :WO 2012/154603 :NA | 3)YU Erwin Y. 4)JEFFERS Paul T. 5)WEBER Jeffrey W. |
| Application Number Filing Date (62) Divisional to Application | :NA :NA | |
| Number Filing Date | :NA :NA | |

(57) Abstract :

A sample can be collected from an enclosed container by opening a sample collection valve and drawing the sample from the enclosed container. After delivery of the sample out of a fluid flow path a sanitizing fluid can be directed along the fluid flow path to sanitize the fluid flow path.

No. of Pages : 63 No. of Claims : 53

(21) Application No.10183/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :C09D5/16 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :11170712.1 | 1)AKZO NOBEL COATINGS INTERNATIONAL B.V. |
| (32) Priority Date | :21/06/2011 | Address of Applicant : Velperweg 76 NL 6824 BM Arnhem |
| (33) Name of priority country | :EPO | Netherlands |
| (86) International Application No | :PCT/EP2012/061625 | (72)Name of Inventor : |
| Filing Date | :19/06/2012 | 1)JONES Phillip Keith |
| (87) International Publication No | :WO 2012/175459 | 2)HAWKINS Ian Michael |
| (61) Patent of Addition to Application | :NA | 3)CURRY Andrew |
| Number | :NA | 4)LI Zhiyi |
| Filing Date | .INA | 5)FINNIE Alistair Andrew |
| (62) Divisional to Application Number | :NA | 6)SINCLAIR DAY John David |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : BIOCIDAL FOUL RELEASE COATING SYSTEMS

(57) Abstract :

Structure coated with a biocidal foul release coating system the structure being obtained by a. providing a substrate b. coating the substrate with a first coating layer c. applying at least one subsequent coating layer on top of the first coating layer the first coating layer containing a biocide the subsequent coating layer(s) containing less biocide than the first coating layer and which is(are)free or substantially free of biocide and wherein the first and the subsequent coating layer(s) form a biocidal foul release coating system showing a controlled leaching of the biocide.

No. of Pages : 39 No. of Claims : 11

(21) Application No.1035/DELNP/2014 A

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONTAINERS WITH SEVERABLE CLOSURES

| (51) International classification (31) Priority Document No (32) Priority Date (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/US2011/051036 :09/09/2011 :WO 2013/036242 :NA :NA | (71)Name of Applicant : 1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor : 1)WANG Jun 2)LIU Cathy |
|--|--|---|
| Filing Date | :NA | |

(57) Abstract :

A container (10) comprising a body (18) having a cavity (41) for containing a product a nozzle (16) and a closure (14). The container is opened at the dispensing orifice (43) of the nozzle by severing the closure from the nozzle via manual force from the user. The closure is formed of a mixture comprising high density polyethylene and an inorganic additive that lowers the impact strength and toughness of the high density polyethylene while increasing flexural modulus and hardness. The closure may be unitarily formed with the nozzle as a single piece.

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

(22) Date of filing of Application :14/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : C-ARM DEVICE WITH ADJUSTABLE DETECTOR OFFSET FOR CONE BEAM IMAGING INVOLVING PARTIAL CIRCLE SCAN TRAJECTORIES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :28/05/2005 : NA :NA :NA :7160/DELNP/2006 | (71)Name of Applicant : 1)SIEMENS MEDICAL SOLUTIONS USA, INC. Address of Applicant :51, Valley Stream Parkway, Malvern, PA 19355, United States of America (72)Name of Inventor : 1)STROBEL, NORBERT KARL |
|---|---|--|
| (62) Divisional to Application Number Filed on | :7160/DELNP/2006 :28/11/2006 | |

(57) Abstract :

Method and system of generating a three dimensional reconstruction of a volume of a patient with an C-arm X-ray imaging system. More particularly, the method and system taught corrects for truncation projection errors by creating an effective detector of greater width.

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

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A COMPOSITION COMPRISING AT LEAST ONE ALGINATE FOR USE IN TREATMENT AND/OR PREVENTION OF OVERWEIGHT

(57) Abstract :

The present invention relates to a composition in the form of a powder or a viscous paste, said composition com prises at least one low viscosity alginate having a viscosity of less than about 100 mPaS in a 1 wt% aqueous solution, and at least one high viscosity alginate having a viscosity of more than about 100 mPaS in a 1 wt% aqueous solution, and wherein the composition further comprises at least one suspending agent, and thereby providing a composition, which is readily soluble in water such that an aqueous preparation can be prepared without substantive mixing. Said aqueous preparation is suitable for use in the treatment and/or prevention of overweight for both therapeutic and non-therapeutic purposes.

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

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : CERIA ZIRCONIA ALUMINA COMPOSITION WITH ENHANCED THERMAL STABILITY

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :B01J23/10,B01J37/00,B01J37/03 :11005382.4 :01/07/2011 :EPO :PCT/EP2012/061110 :12/06/2012 :WO 2013/004456 :NA :NA | (71)Name of Applicant : 1)TREIBACHER INDUSTRIE AG Address of Applicant :Auer von Welsbach Strae 1 A 9330 Treibach Althofen Austria (72)Name of Inventor : 1)SCHERMANZ Karl 2)SAGAR Amod |
|--|--|---|
| | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A process for the preparation of a composition comprising A1-, Ce- and Zr-oxides, which process comprises the j steps of (a) preparing an aqueous solution of a mixture of metal salts of cerium, zirconium and aluminium, wich aqueous solution optionally comprises one or more salts of the Rare Earth Metals other than cerium, (b) adding to the solution obtained a baseat tem - oj peratures from 0°C to 95°C and precipitating the mixed metal salts in the form of hydroxides or oxy-hydroxides, (d) treating the aqueous suspension obtained in step (b) with a surfactant, and (e) isolating the precipitate obtained in step (d) and treating said pre - cipitate at a temperature from 450°C to 1200°C, which process is characterized in that the alumina content is in the range from 35 to 80% by weight, and the surface area (BET) of the composition obtained, measured according to DIN (Deutsche Industrie Norm) 6613 1 after calcining for 2 hours at 1100°C is from 55 to 80 m2 /g; or is at least 35 m2 /g after calcining for 20 hours at 1100°C; and a composition comprising A1-, Ce- and Zr-oxides, characterized in that the aluminium content, calculated as aluminium oxide is in the range from 35 to 80% by weight, and the surface area (BET) of the composition measured according to DIN (Deutsche Industrie Norm) 6613 1 for 2 hours at 1100°C is from 55 to 80 m /g, and/or is at least 35 m2 /g after calcining for 20 hours at 1100°C obtainable or obtained according such process.

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

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : STARTING SUPPORT HAVING CLUTCH BITE POINT ADAPTION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :102011080937.6 :15/08/2011 :Germany :PCT/EP2012/064144 :19/07/2012 :WO 2013/023868 :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)PFEFFER Florian 2)BAUER Wolf 3)PAULI Michael |
|---|--|--|
|---|--|--|

(57) Abstract :

The invention relates to a method for start up support in a motor vehicle having a drive motor comprising: detecting (S1) a possible start up process; detecting (S2) a value (rCIth) for the clutch position; comparing (S3) the detected value (rCIth) to a predetermined first value range for the clutch position; and carrying out (S5) a start up support if the detected value (rCIth) lies within the first value range.

No. of Pages : 15 No. of Claims : 10

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SORTING AND INSPECTION APPARATUS AND METHOD WITH DETERMINATION OF PRODUCT VELOCITY

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :28/06/2012 :WO 2013/001303 :NA :NA :NA | (71)Name of Applicant : 1)BUHLER SORTEX LTD. Address of Applicant :20 Atlantis Avenue London E16 2BF U.K. (72)Name of Inventor : 1)HUG Anthony |
|---|---|---|
| Filing Date | :NA | |

(57) Abstract :

A sorting and inspection apparatus comprising a feed system for delivering a product stream sequentially through an imaging zone and a sorting zone, at least one tight source for illuminating a product at the ima ging zone, at least one optical sensor and detector circuit for viewing at least a portion of the illuminated product at the imaging zone, for collecting viewed data, for determining a condition of that at least portion of the illu minated product from the viewed data and then for outputting a signal de pendent upon the determined condition of that at least portion of the illumin ated product, and at least one ejector for ejecting product at the sorting zone dependent upon the output signal. The imaging zone comprises at least two sensor zones, sequentially arranged one after another in a direction of the product stream. The data collected from the at least two sensor zones is tem porally delayed between an earlier one of the sensor zones and a subsequent sensor zone, with the temporal delay being set at a time that would match a sensor output for the said earlier one of the sensor zones with a sensor output for the said subsequent sensor zone for a hypothetical product travelling through the viewing zone at a fixed, predetermined velocity. The apparatus additionally determines the velocity of each product that passes through the sensor zones. The determined velocity, or its difference from the predeter mined velocity, used in a determination of a shortened but non-clipped sector of each sensor zone from which to use collected data for basing its defect de termination.

No. of Pages : 34 No. of Claims : 28

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR PRODUCTION OF RESERVOIR FLUIDS

| (51) International classification (31) Priority Document No (32) Priority Date (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 by Hyperbare | :13/190078 | (71)Name of Applicant : 1)EVOLUTION PETROLEUM CORPORATION Address of Applicant :2500 Citywest Blvd. Suite 1300 Houston TX 77042 U.S.A. (72)Name of Inventor : 1)MAZZANTI Daryl V. |
|--|------------|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

An artificial lift system removes reservoir fluids from a wellbore. A gas lift system is disposed in a first tubing string anchored by a packer and a downhole pump or alternative plunger lift may be positioned with a second tubing string. A dual string anchor may be disposed with the first tubing string to limit the movement of the second tubing string. The second tubing string may be removably attached with the dual string anchor with an on off tool without disturbing the first tubing string. A one way valve may also be used to allow reservoir fluids to flow into the first tubing string in one direction only. The second tubing string may be positioned within the first tubing string and the injected gas may travel down the annulus between the first and second tubing strings. A bi flow connector may anchor the second string to the first string and allow reservoir liquids in the casing tubing annulus to pass through the connector to the downhole pump. Injected gas may be allowed to pass vertically through the bi flow connector to lift liquids from below the downhole pump to above the downhole pump. The bi flow connector, In another embodiment gas from the reservoir liquids from below the downhole pump to above the downhole pump. A first tubing string may contain a downhole pumping system or alternative plunger lift above a packer assembly. A concentric tubing system below the packer may lift liquids using the gas from the reservoir.

No. of Pages : 55 No. of Claims : 29

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : ENDLESS FABRIC BELT (51) International classification :D21F1/00,B31F5/00,D03D13/00 (71)Name of Applicant : :10 2011 110 019.2 1)MHLEN SOHN GMBH & CO. KG (31) Priority Document No (32) Priority Date :11/08/2011 Address of Applicant :Lindenstrasse 16/1 89134 Blaustein (33) Name of priority country :Germany Germany (86) International Application (72)Name of Inventor : :PCT/EP2012/003270 No **1)MHLEN Petra** :01/08/2012 Filing Date (87) International Publication :WO 2013/020667 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 a fabric belt for producing a corrugated cardboard web in a corrugated cardboard machine. The belt (1) is joined together at the two ends (2,3) thereof to produce an endless belt wherein an outer paper side (4) which faces the corrugated cardboard web and an inner load side (5) which is assigned to the drive are formed. In order to connect the belt ends (2,3) connecting pieces (6,7) are provided which in each case at one end (2,3) transversely with respect to the belt (1) have a multiplicity of clips (9,9) which lie next to one another at a spacing (a) and are fixed at an opposite end with a connection section (14) at the associated belt end (2,3). In the longitudinal direction (8) of the belt (1) the clips of one connecting piece (6) interact in a force transmitting manner with the clips of the other connecting piece (7). In order to join the belt ends together in a simple way to produce a highly loadable connection which is simple to open it is provided that the connection section (14) of a connecting piece (6,7) is held in a receiving gap (15) of the belt (1) and starting from the belt end (2,3) the receiving gap (15) extends between the paper side (4) and the load side (5).

No. of Pages : 16 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :C07K14/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/490990 | 1)THE UNIVERSITY OF AKRON |
| (32) Priority Date | :27/05/2011 | Address of Applicant :302 E. Buchtel Common Akron Ohio |
| (33) Name of priority country | :U.S.A. | 44325 U.S.A. |
| (86) International Application No | :PCT/US2012/039578 | (72)Name of Inventor : |
| Filing Date | :25/05/2012 | 1)BECKER Matthew |
| (87) International Publication No | :WO 2012/166594 | 2)GRAHAM Matthew |
| (61) Patent of Addition to Application | :NA | 3)HARRIS Frank |
| Number | :NA | 4)LIN Fei |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | l de la constante de la consta |

(54) Title of the invention : PEPTIDE CROSSLINKED BIOACTIVE POLYMERIC MATERIALS

(57) Abstract :

A method for creating a peptide crosslinked bioactive polymeric material includes reacting a hydroxy functionalized small molecule with a amino acid to form an amino acid functionalized monomer reacting the amino acid functionalized monomer with a urea bond former to form a amino acid based poly(ester urea) and reacting the amino acid based poly(ester urea) with a peptide based crosslinker to form the peptide crosslinked bioactive polymeric material.

No. of Pages : 30 No. of Claims : 11

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : HIGH STRENGTH COLD ROLLED STEEL SHEET WITH EXCELLENT STRETCH FLANGEABILITY AND PRECISION PUNCHABILITY AND PROCESS 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 | :C22C38/00,B21B1/26,B21B3/00 :2011164383 :27/07/2011 :Japan :PCT/JP2012/069259 :27/07/2012 :WO 2013/015428 :NA :NA :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor : 1)SHUTO Hiroshi 2)FUJITA Nobuhiro 3)YOKOI Tatsuo 4)OKAMOTO Riki 5)NAKANO Kazuaki 6)WATANABE Shinichiro |
|--|---|--|
|--|---|--|

(57) Abstract :

A high-strength cold-rolled steel sheet having excellent stretch flangeability and precision punchability containing predetermined components and a balance being composed of iron and inevitable impurities, 5 in which in a range of 5/8 to 3/8 in sheet thickness from the surface of the steel sheet, an average value of pole densities of the $\{100\}<011>$ to $\{223\}<110>$ orientation group represented by respective crystal orientations of $\{100\}<011>$, $\{116\}<110>$, $\{114\}<110>$, $\{113\}<110>$, $\{112\}<110>$, $\{335\}<110>$, and $\{223\}<110>$ is 6.5 or less, and a pole density of the 10 $\{332\}<113>$ crystal orientation is 5.0 or less, and a metal structure contains, in terms of an area ratio, greater than 5% of pearl ite, the sum of bainite and martensite limited to less than 5%, and a balance composed of ferrite.

No. of Pages : 68 No. of Claims : 15

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING 4-BROMO-N-(IMIDAZOLIDIN-2-YLIDENE)-1H-BENZIMIDAZOL-5-AMINE FOR TREATING SKIN DISEASES

| (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 | :A61K31/4184,A61P17/00,A61P17/02 :61/510708 :22/07/2011 :U.S.A. :PCT/US2012/047114 :18/07/2012 :WO 2013/016086 :NA :NA | (71)Name of Applicant : 1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California 92612 U.S.A. (72)Name of Inventor : 1)DIBAS Mohammed I. 2)DONELLO John E. 3)GIL Daniel W. |
|---|--|---|
| 11 | | |

(57) Abstract :

The present invention relates to a method for treating skin diseases in a patient in need thereof which comprises of administering a pharmaceutical composition comprising a therapeutically effective amount of 4-bromo-N -(imidazolidin-2-ylidene) 1H-benzimidazol-5-amine or a pharmaceutically acceptable salt thereof and one or more pharmaceutically acceptable excipients.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : OPTICAL PROBE

(57) Abstract :

Provided is an optical probe capable of precise OCT measurement with low noise even when a highly dispersive subject is measured. An optical probe (20) is provided with an optical fiber (21) for transmitting light between a proximal end (21a) and a distal end (21b) an optical connector (22) connected to the optical fiber (21) at the proximal end (21a) a collective optical system (23) and deflecting optical system (24) connected to the optical fiber (21) at the distal end (11b) and a support tube (25) and jacket tube (26) surrounding the optical fiber (21) and extending along the optical fiber (21). The optical fiber (21) includes a core region (41) having a refractive index n a first cladding region (42) surrounding the core region and having a refractive index n a trench region (43) surrounding the first cladding region and having a refractive index n and a second cladding region (44) surrounding the trench region and having a refractive index n. The relationship of the refractive index is n > n > n < n.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROTECTIVE WOUND DRESSING DEVICE FOR ORAL AND PHARYNGEAL SPACE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application | :13/217852 :25/08/2011 :U.S.A. | (71)Name of Applicant : 1)ETHICON INC. Address of Applicant :U.S. Route 22 Somerville NJ 08876 U.S.A. (72)Name of Inventor : 1)KEPLINGER Scott Alan |
|---|--------------------------------------|--|
| Filing Date | :21/08/2012 | |
| (87) International Publication No | :WO 2013/028672 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | ⁿ :NA :NA | |

(57) Abstract :

The present invention provides a wound dressing comprising a tessellated water soluble molding matrix comprised of a polymer selected from the group consisting of polyvinyl alcohol gelatin and mixtures thereof and a 1,1 disubstituted ethylene monomer. The present invention further provides methods of using the wound dressing and kits containing the wound dressing.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEGREASING COMPOSITIONS DERIVED FROM LEVULINIC ACID (A COMPOUND OBTAINABLE FROM BIOMASS) AND PROCESS FOR DEGREASING METAL SURFACES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C23G3/032,C11D11/00,C11D7/26 :11382221.7 :29/06/2011 :EPO :PCT/EP2012/062557 :28/06/2012 :WO 2013/000998 :NA :NA | (71)Name of Applicant : I)INSTITUT UNIV. DE CI'NCIA I TECNOLOGIA S.A. Address of Applicant :C. lvarez de Castro 63 E 08100 Mollet del Valles Spain (72)Name of Inventor : BAYARRI FERRER Natividad GALI PRATS Lidia EST‰VEZ COMPANY Carles CASTELLS BOLIART Josep |
|---|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

THE PRESENT INVENTION RELATES TO A NEW DEGREASING COMPOSITION COMPRISING AT LEAST ONE LEVULINIC ACID ESTER ACCORDING TO GENERAL FORMULA (I) CHCO(CH)COOR (I) IN WHICH R IS A LINEAR OR BRANCHED SATURATED OR UNSATURATED ALIPHATIC OR AROMATIC HYDROCARBON RADICAL HAVING 2 TO 56 CARBON ATOMS WHEREIN SAID HYDROCARBON RADICAL IS OPTIONALLY HYDROXYSUBSTITUTED. THE PRESENT INVENTION ALSO RELATES TO A PROCESS FOR DEGREASING A METAL SURFACE COMPRISING THE STEP OF CONTACTING SAID METAL SURFACE WITH THE COMPOSITION OF THE PRESENT INVENTION.

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

(21) Application No.1325/DELNP/2014 A

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD AND SYSTEM FOR ACCESSING PLACES

| (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/EP2012/067312 :05/09/2012 | (71)Name of Applicant : 1)AMADEUS Address of Applicant :485 Route du Pin Montard Sophia Antipolis F 06410 Biot France (72)Name of Inventor : 1)GUENEC Mathieu 2)HARREN Mikael |
|--|-----------------------------------|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method to allow automatic access by a user to a pre reserved place such as a hotel room the method operating on a system such as a hotel reservation system which can communicate with a user smart phone application the method comprising: receiving at the system a request from the user smart phone application to effect entry into the pre reserved place wherein the request includes user data relating to the user and location data relating to the place which location data relating to the place is obtainable by the user using the smart phone to scan a code on or in the vicinity of the place and decode the code to identify the location data relating to the place; comparing in the system the user data and the location data with a list of pre reserved places to identify a matching pre reserved place; and if a matching pre reserved place is identified automatically sending a signal to cause the pre reserved place to be opened to allow access by the user.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITE MATERIAL 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 | :B32B3/02,B32B7/02,B32B27/40 :10 2011 082 076.0 :02/09/2011 :Germany :PCT/EP2012/066601 :27/08/2012 :WO 2013/030151 :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)EHBING Hubert 2)ALBERS Reinhard 3)ROTHE Bernd 4)WIRTZ Hans Guido |
|---|---|---|
| Application Number | | |

(57) Abstract :

The invention relates to a composite material made of a layer of inorganic non metal material and a sandwich element and to a method for producing said composite material.

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

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AIR HARDENABLE SHOCK RESISTANT STEEL ALLOYS METHODS OF MAKING THE ALLOYS AND ARTICLES INCLUDING THE ALLOYS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :C22C38/02,C22C38/04,C22C38/08 :13/161146 :15/06/2011 :U.S.A. :PCT/US2012/039917 | (71)Name of Applicant : 1)ATI PROPERTIES INC. Address of Applicant :1600 N.E. Old Salem Road Albany Oregon 97321 U.S.A. (72)Name of Inventor : 1)STEFANSSON Njall 2)HASEK Bradley |
|--|--|---|
| Filing Date | :30/05/2012 | 3)BAILEY Ronald E. |
| (87) International Publication No | :WO 2013/048587 | 4)PARAYIL Thomas 5)NICHOLS Andrew |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | ¹ :NA :NA | |

(57) Abstract :

An air hardenable steel alloy is disclosed comprising, in percent by weight: 0.18 to 0.26 carbon; 3.50 to 4.00 nickel; 1.60 to 2.00 chromium; 0 to 0.50 molybdenum; 0.80 to 1.20 manganese; 0.25 to 0.45 silicon; 0 to less than 0.005 titanium; 0 to less than 0.020 phosphorus; 0 up to 0.005 boron; 0 up to 0.003 sulfur; iron; and impurities. The air hardenable steel alloy has a Brinell hardness in a range of 352 HBW to 460 HBW. The air hardenable steel alloy combines high strength, medium hardness and tough - ness, as compared with certain know air hardenable steel alloys, and finds application in, for example, any of a steel armor, a blastprotective hull, a blast-protective vehicle underbelly, and a blast-protective enclosure.

No. of Pages : 35 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PATELLA CLAMP AND DRILL GUIDE SURGICAL INSTRUMENT

| (51) International classification | :A61B17/58 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/503419 | 1)DEPUY PRODUCTS INC. |
| (32) Priority Date | :30/06/2011 | Address of Applicant :700 Orthopaedic Drive Warsaw Indiana |
| (33) Name of priority country | :U.S.A. | 46581 U.S.A. |
| (86) International Application No | :PCT/US2012/044947 | (72)Name of Inventor : |
| Filing Date | :29/06/2012 | 1)KECMAN Maja |
| (87) International Publication No | :WO 2013/003730 | 2)HARTSHORN Richard A. |
| (61) Patent of Addition to Application | :NA | 3)GOODWIN Edward H. |
| Number | | 4)WRIGHT Abraham P. |
| Filing Date | :NA | 5)THOMAS Kyle B. |
| (62) Divisional to Application Number | :NA | 6)YOUNG Duncan G. |
| Filing Date | :NA | 7)STROUX Lisa M. |

(57) Abstract :

An orthopaedic surgical instrument includes a pa tella drill guide having a first bracket, a second bracket coupled to the first bracket and moveable relative to the first bracket. The second bracket includes a drill plate having a plurality of guide holes defined therein.

No. of Pages : 35 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : COVERING MATERIAL | | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :E04B1/94 :2011153669 :12/07/2011 :Japan :PCT/JP2012/067602 :10/07/2012 :WO 2013/008819 :NA :NA :NA :NA | (71)Name of Applicant : 1)F CONSULTANT CO. LTD. Address of Applicant :5 31 Nakahozumi 3 chome Ibaraki shi Osaka 5670034 Japan (72)Name of Inventor : 1)TANAKA Yasunori |

(57) Abstract :

The present invention provides a covering material which exhibits excellent flexibility during application and which when exposed to high temperature such as fire can form a carbonized heat insulating layer that exhibits satisfactory foam properties and sufficient strength. Specifically the present invention provides a covering material which comprises a binder a flame retardant a foaming agent a carbonizing agent and a filler and which is characterized by containing as the binder a vinyl acetate ethylene copolymer resin that exhibits a melt mass flow rate of 0.1 to 300g/10min at 190°C and that has a vinyl acetate content of 15 to 50 mass%.

No. of Pages : 28 No. of Claims : 2

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING TETRAZOLE SUBSTITUTED ANTHRANILIC ACID DIAMIDE DERIVATIVES BY REACTING PYRAZOLIC ACIDS WITH ANTHRANILIC ACID ESTERS

| (51) International classification | :C07D401/14,A01N43/713 | (71)Name of Applicant : |
|--|------------------------|---|
| (31) Priority Document No | :11173325.9 | 1)BAYER INTELLECTUAL PROPERTY GMBH |
| (32) Priority Date | :08/07/2011 | Address of Applicant : Alfred Nobel Str. 10 40789 Monheim |
| (33) Name of priority country | :EPO | Germany |
| (86) International Application No | :PCT/EP2012/063169 | (72)Name of Inventor : |
| Filing Date | :05/07/2012 | 1)PAZENOK Sergii |
| (87) International Publication No | :WO 2013/007604 | 2)VOLZ Frank |
| (61) Patent of Addition to Application | :NA | 3)LUI Norbert |
| Number | | 4)NEEFF Arnd |
| Filing Date | :NA | 5)SZYWALSKI Sylvia |
| (62) Divisional to Application Number | ::NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention relates to a method for producing tetrazole-substituted anthranilic acid diamide derivatives of formula (I) wherein R1, R2, R3, R4, Q and Z have the designations provided in the description, by reacting pyrazolic o acids with anthranilic acid esters.

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

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN EXIT ASSEMBLY HAVING A FLUID DIVERTER THAT DISPLACES THE PATHWAY OF A FLUID INTO TWO OR MORE 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 | :NA :NA :NA | (71)Name of Applicant : 1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant :10200 Bellaire Boulevard Houston TX 77072 U.S.A. (72)Name of Inventor : 1)DYKSTRA Jason D. |
|---|-------------------|--|
|---|-------------------|--|

(57) Abstract :

According to an embodiment an exit assembly comprises: a fluid inlet; an exit chamber; a fluid outlet wherein the fluid outlet is located within the exit chamber; and a fluid diverter wherein the fluid diverter is connected to the fluid inlet and the exit chamber and wherein the fluid inlet through the fluid diverter and into the exit chamber and wherein the shape of the fluid diverter is selected such that the fluid diverter is capable of displacing the pathway of the fluid from the fluid inlet into a first fluid pathway a second fluid pathway or combinations thereof wherein the first fluid pathway and the second fluid pathway are located within the exit chamber. According to another embodiment the fluid diverter increasingly displaces the pathway of the fluid from the fluid inlet into the first fluid pathway as the viscosity or density of the fluid diverter increasingly displaces the pathway as the viscosity or density of the fluid inlet into the second fluid pathway as the viscosity or density of the fluid inlet into the fluid increases or as the flow rate of the fluid decreases.

No. of Pages : 27 No. of Claims : 20

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR EXTRACTING ELEMENTS FROM CAVITIES WHICH USES A BAG FOR EXTRACTION AND AN APPLICATOR

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61B17/44,A61B17/42 :AR20110101902 :02/06/2011 :Argentina :PCT/ES2012/070409 :31/05/2012 :WO 2012/164139 :NA :NA :NA :NA | (71)Name of Applicant : 1)VEIGA Julio Csar Address of Applicant :Iparraguirre 14 1° E 48300 Guernika Spain 2)AIR BAG ONE SARL (72)Name of Inventor : 1)ODON Jorge Ernesto |
|---|---|---|
|---|---|---|

(57) Abstract :

The invention relates to a device for extracting elements from cavities, which uses: a bag for extraction, which folds in on itself; and an apphcator provided with an air chamber. According to the invention, the bag includes pockets, hito which the tentacles of the apphcator are inserted, and pul means. The apphcator is formed by a first piece, known as the outer tube, which is a hollow tube of rigid material, having a distal end forming at least two tentacles that provide radial flexibility and a proximal end provided with means for attaching the second piece, known as the inner tube, which is an open-ended hollow tube that slides inside the body of the outer tube and has a funnel on the distal end thereof. The device may also include graduated scales on the tentacles, the inner tube and the bag. In addition, the bag has two reference rings on each one of the folds thereof.

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

(21) Application No.11234/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 30/01/2015

(51) International classification :B62J1/02 (71)Name of Applicant : (31) Priority Document No 1)FUSELAGE DESIGN PTY LTD :2011902104 (32) Priority Date Address of Applicant :8 Nelson Street South Fremantle WA :30/05/2011 (33) Name of priority country :Australia 6162 Australia (86) International Application No :PCT/AU2012/000601 (72)Name of Inventor : Filing Date :30/05/2012 **1)ATTEY Graeme Scott** (87) International Publication No :WO 2012/162735 (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 : IMPROVEMENTS TO BICYCLE OR RIDE ON VEHICLE SEATS AND SADDLES

(57) Abstract :

A seat (10, 20, 30, 70, 80, 90, 110) of a manual or powered ride on vehicle, the seat including at least one resilient elastomeric web seat portion (4, 24, 34, 78, 94, 114) suspended in tension between first (5, 25, 79a, 119) and second (6, 26, 78, 79b, 87, 118) supports, the suspended web(s) supporting a rider when sat on by the rider with the elastomeric web(s) resiliently stretching with increasing reactive tension under rider weight to react rider weight and give elastomeric tension seat support to the rider.

No. of Pages : 20 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :C07K1/36 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :11170239.5 | 1)DSM IP ASSETS B.V. |
| (32) Priority Date | :16/06/2011 | Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen |
| (33) Name of priority country | :EPO | Netherlands |
| (86) International Application No | :PCT/EP2012/060885 | (72)Name of Inventor : |
| Filing Date | :08/06/2012 | 1)VEENSTRA Henderik E. |
| (87) International Publication No | :WO 2012/171853 | 2)KREMER Diderik R. |
| (61) Patent of Addition to Application | :NA | 3)PERLASCA ISLAS Maria |
| Number | | 4)DOEVEN Mark K. |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION

(57) Abstract :

The present invention relates to a method for the purification of antibodies from a protein mixture produced in a bioreactor, at least comprising the steps of intermediate purification and polishing, wherein the intermediate and polishing step com - prises in-line anion exchange chromatography (AEX) treatment and mixed mode chromatography (MiMo) treatment in flow through mode. The present invention further relates to a single operational unit comprising both an anion exchange chromatography part and a mixed mode chromatography part, which are serially connected, wherein the unit comprises an inlet at the upstream end of the anion exchange chromatography part and an outlet at the downstream end of the mixed mode chromatography part and wherein the S unit also comprises an inlet between the anion exchange chromatography part and the mixed mode chromatography part.

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

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CHIMERIC MOLECULE USEFUL IN IMMUNOTHERAPY FOR LEISHMANIASIS WHICH INCLUDES A FRAGMENT OF THE PFR1 PROTEIN OF LEISHMANIA INFANTUM WITH SPECIFIC IMMUNODOMINANT EPITOPES

| (32) Priority Date:21/07/2011Addre(33) Name of priority country:Spain(72)Name 1)THON(86) International:PCT/ES2012/0705412)LPEZ | SEJO SUPERIOR DE INVESTIGACIONES FICAS (CSIC) ress of Applicant :Serrano 117 E 28006 Madrid Spain ne of Inventor : DMAS CARAZO Maria del Carmen Z LPEZ Manuel Carlos DESMA ARROYO Darin |
|--|---|
|--|---|

(57) Abstract :

The invention relates to an isolated nucleotide sequence characterized in that it codes for the PFR1 protein of Leishmania infantum or a fragment of same said PFR1 protein or a fragment of same includes at least one immunodominant epitope selected from the following group: SEQ ID No: 1 SEQ ID No: 2 SEQ ID No: 3 SEQ ID No: 4 SEQ ID No: 5 SEQ ID No: 6 SEQ ID No: 7 and SEQ ID No: 8 wherein said immunodominant epitope is able to induce a T cytotoxic immune response specific to the antigen of an animal with respect to the kinetoplastids that cause leishmaniasis. Said immunodominant epitopes activate T cytotoxic lymphocytes and show high bonding affinity for the class I type A2 MHC molecule.

No. of Pages : 58 No. of Claims : 20

(21) Application No.10214/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ABSORBENT ARTICLE WITH WAISTBAND HAVING CONSOLIDATION (51) International classification :A61F13/15,A61F13/49 (71)Name of Applicant : (31) Priority Document No :61/499294 **1)THE PROCTER & GAMBLE COMPANY** (32) Priority Date Address of Applicant : One Procter & Gamble Plaza Cincinnati :21/06/2011 (33) Name of priority country :U.S.A. Ohio 45202 U.S.A. (86) International Application No :PCT/US2012/041217 (72)Name of Inventor : Filing Date :07/06/2012 1)LAWSON Kathleen Marie (87) International Publication No :WO 2012/177401 2)RAYCHECK Jeromy Thomas (61) Patent of Addition to Application 3)KIGER Christopher Erin :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A disposable absorbent article comprising a first waist region a second waist region a crotch region disposed between the first waist region and second waist region; a first waist edge and a second waist edge; the disposable absorbent article comprising at least one waistband wherein the waistband is comprised of a laminate comprising a nonwoven material and at least one elastic strand wherein the nonwoven material and the least one elastic strand are combined under a first strain and the waistband is attached to the disposable absorbent article under an applied waistband strain wherein the difference between the first strain and the applied waistband strain results in a waistband having a Full Waistband Consolidation of greater than about 95%.

No. of Pages : 43 No. of Claims : 15

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : MEASUREMENT AND REPORTING CONFIGURATION IN RADIO COMMUNICATION NETWORKS

| (51) International classification | :H04W72/12 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/526145 | 1)TELEFONAKTIEBOLAGET L M ERICSSON (publ) |
| (32) Priority Date | :22/08/2011 | Address of Applicant :S 164 83 Stockholm Sweden |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No | :PCT/SE2012/050798 | 1)SIOMINA Iana |
| Filing Date | :06/07/2012 | 2)KAZMI Muhammad |
| (87) International Publication No | :WO 2013/028119 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A wireless device a network apparatus a test equipment and a method in a heterogeneous radio communication system configured to perform and report measurements in view of patterns including at least two types of subframes are provided. The wireless device has a transceiver and a processing unit. The transceiver is configured to send and to receive signals from more than one cell and to receive information defining a first pattern related to first cells. The processing unit is configured to determine a second pattern related to second cells based on the first pattern and at least one of an indication or predefined rule relating the first pattern and the second pattern to perform measurements related to the signals and to report to a network node measurement results based on the measurement results being related to signals received from a number of one or more cells.

No. of Pages : 69 No. of Claims : 34

(21) Application No.1331/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :H04W36/00 (71)Name of Applicant : (31) Priority Document No 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) :61/526848 (32) Priority Date Address of Applicant :SE 164 83 Stockholm Sweden :24/08/2011 (33) Name of priority country (72)Name of Inventor : :U.S.A. (86) International Application No 1)CENTONZA Angelo :PCT/SE2011/051403 Filing Date :22/11/2011 (87) International Publication No :WO 2013/028114 (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 : A GATEWAY DEVICE FOR HANDLING UE CONTEXT AND A METHOD THEREOF

(57) Abstract :

The technology described herein relates to a method in a gateway device (601) and a gateway device (601) for handling a context of a UE moving from a source HeNB (220) to a target HeNB 230). According to embodiments the gateway device (601) is configured to receive a path switch request message from the source HeNB including a firs pair of IDs and the gateway device is configured to transmit a second path switch request message to an MME including a second pair of IDs associated to the first pair of IDs. When the gateway device receives a UE context release request message from the source HeNB it determines whether IDs in this message are associated to the same second pair of IDs. If this is the case the gateway device (601) maintains the UE context otherwise it releases or de allocates the UE context.

No. of Pages : 28 No. of Claims : 8

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : A LIVE VIRUS VACCINE | | |
|--|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 39/245 :60/583,399 :29/06/2004 :U.S.A. :PCT/US05/021788 :22/06/2005 :WO 2006/012092 :NA :NA :NA :7861/DELNP/2006 :26/12/2006 | HEALTH, OFFICE OF TECHNOLOGY OF TRANSFER, 6011 EXECUTIVE BOULEVARD SUITE 325, ROCKVILLE, MD 20852-3804, USA U.S.A. (72)Name of Inventor : 1)JEFFREY I. COHEN |

(57) Abstract :

A live virus vaccine, the vaccine having impaired ability to establish latency, comprising: a recCTnbinant vims that has at least one intact ORF62 gene of varicella-zoster virus (VZV) bii that lacks a nucleic acid sequence that is complementary to a nucleic acid that hybridizes with the ORF62 gene of varicella-zoster virus, wherein the recombinant virus further lacks a gene or portion thereof selected from the group consisting of the ORF63 gene of varicella-zoster virus, the ORF 70 gene of varicellazoster virus, the ICP22 gene of the herpes simplex virus, the US 1 gene of the Mareks disease virus, and the ICP22-like gene of Ihe pseudorabies virus.

No. of Pages : 35 No. of Claims : 8

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TRIAGE TAG MANAGEMENT SYSTEM AND SMARTPHONE FOR SAME AND TRIAGE TAG MANAGEMENT METHOD

| (51) International classification | . , . | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :2011189327 | 1)TOKYO ELECTRONIC SYSTEMS CORPORATION |
| (32) Priority Date | :31/08/2011 | Address of Applicant :1 Komukaitoshiba cho Saiwai ku |
| (33) Name of priority country | :Japan | Kawasaki shi Kanagawa 2120001 Japan |
| (86) International Application No | :PCT/JP2012/003741 | (72)Name of Inventor : |
| Filing Date | :07/06/2012 | 1)NAKAMORI Yasushi |
| (87) International Publication No | :WO 2013/031067 | 2)TANAKA Hideshige |
| (61) Patent of Addition to Application | :NA | 3)ITO Akira |
| Number | | 4)NAKAMARU Tomoko |
| Filing Date | :NA | 5)KACHI Kyosuke |
| (62) Divisional to Application Number | :NA | 6)HOMMA Yoshio |
| Filing Date | :NA | |

(57) Abstract :

An embodiment triage tag management system is provided with: triage tags to be attached to patients; a smartphone that receives input of the patients medical condition data, evaluates the patients medical condition levels, then sends data indicating said medical condition levels to the triage tags; and a patient information database that receives the patients medical condition level data from the smartphone over a network, and stores said data for each patient having one of the aforementioned triage tags attached. The smartphone is provided with a temporary storage unit that temporarily stores the patients medical condition level data when the smartphone is unable to send said medical condition level data to the patient information database.

No. of Pages : 51 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MOBILE TERMINAL CHARGING SYSTEM AND MOBILE TERMINAL CHARGING METHOD (51) International classification :H02J7/02,B60R25/00 (71)Name of Applicant : (31) Priority Document No 1)TOYOTA JIDOSHA KABUSHIKI KAISHA :2011185971 (32) Priority Date :29/08/2011 Address of Applicant :1 Toyota cho Toyota shi Aichi ken 471 (33) Name of priority country :Japan 8571 Japan (86) International Application No :PCT/IB2012/001646 (72)Name of Inventor : 1)OKADA Hiroki Filing Date :28/08/2012 (87) International Publication No :WO 2013/030648 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A mobile terminal charging system includes: a wireless power supply device that is provided inside a vehicle cabin and that is configured to perform a charging operation for charging a mobile terminal; and a control device that controls the wireless power supply device wherein when wireless communication is carried out between an in vehicle communication device and an electronic key inside the vehicle cabin in a situation that the charging operation is being performed by the wireless power supply device the control device temporarily suppresses the charging operation performed by the wireless power supply device.

No. of Pages : 37 No. of Claims : 8

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ARRANGEMENT FOR INTRODUCING A LIQUID MEDIUM INTO EXHAUST GASES FROM A 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 (62) Divisional to Application Number Filing Date | :12/09/2012 | (71)Name of Applicant : 1)SCANIA CV AB Address of Applicant :S 151 87 Sdertlje Sweden (72)Name of Inventor : 1)NORLING Daniel 2)RYRFELDT Daniel 3)MUSTONEN Markus 4)BIRGERSSON Henrik 5)LAGERKVIST Emelie 6)EL ITABI Fatima 7)BIRKESTAD Per 8)WAHLBERG Magnus |
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(57) Abstract :

Arrangement for introducing a liquid mediu m into exhaust gases from a combustion engine comprising a mixing chamber (3) which is intended to have exhaust gases flow through it and which has at its downstream end (5) an endwall (7) of thermally conductive material which serves as an end su rface of the mixing chamber (3) an injection means (1 2) for injecting the liquid medium in spray form into the mixing chamber (3) or into exhaust gases which are led i nto the mixing chamber (3) an exhaust passage (13) which is adjacent to the mixing chamber (3) is intended to have exhaust gases flow th rough it and is delineated from the mixing chamber (3) by said endwall (7) and heat flanges (1 4) of thermally conductive material situated on at least part of the side of said endwall (7) which faces towards said exhaust passage (13) extend into the exhaust passage (13) and are adapted to absorbing heat from exhaust gases which flow th rough the exhaust passage and to giving off this heat to the endwall.

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

(21) Application No.1365/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :14/09/2012 :WO 2013/039449 :NA :NA :NA | 1)GE HEALTHCARE BIO SCIENCES AB Address of Applicant :Patent Department Bjrkgatan 30 S 751 84 Uppsala Sweden (72)Name of Inventor : VAN ALSTINE James BERG Mikael KJ-RNING Johanna SHANAGAR Jamil |
|--|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : PLASMA PROTEIN FRACTIONATION BY SEQUENTIAL POLYACID PRECIPITATION

(57) Abstract :

There is a recognized need for novel more simplified approaches to isolation of plasma from whole blood as well as a need to isolate cell free plasma fractions containing different plasma proteins. Methods are divulged for use of aqueous phase systems formed in blood or blood containing solutions via addition of a single polymer at relatively low concentration to effect isolation (clarification) of plasma proteins from blood cells. Methods are also divulged to replace widely used Cohn type plasma protein fractionation which is based on sequential addition of up to 40% (v/v) ethanol and other precipitants with simple sequential addition of a polyacid. The latter results in isolation of plasma protein fractions (i.e. fibrinogen immunoglobulin albumin) in sequence similar to that obtained with Cohn Fractionation processes. It may also support use of polymeric film based containers in novel solvent free plasma fractionation processes. The methods disclosed may also be suitable for use in smaller scale plasma protein isolation in research and diagnostic applications. The general methodologies are robust and can function over a broad range of process variables such as temperature and pH.

No. of Pages : 65 No. of Claims : 34

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : USE OF SIGMA LIGANDS IN DIABETES TYPE 2 ASSOCIATED PAIN

| :A61K31/4523,A61K31/4725,A61K31/5377 :11382157.3 :19/05/2011 :EPO :PCT/EP2012/059232 :18/05/2012 :WO 2012/156497 :NA :NA | (71)Name of Applicant : 1)LABORATORIOS DEL DR. ESTEVE S.A. Address of Applicant :Avda. Mare de Du de Montserrat 221 E 08041 Barcelona Spain (72)Name of Inventor : 1)VELA HERN NDEZ Jos Miguel 2)MARTIN FONTELLES Maria Isabel |
|--|---|
| :NA :NA | |
| | :11382157.3 :19/05/2011 :EPO :PCT/EP2012/059232 :18/05/2012 :WO 2012/156497 :NA :NA |

(57) Abstract :

The invention refers to the use of a sigma ligand particularly a sigma ligand of formula (I) to prevent and/or treat type 2 diabetes associated pain and related symptoms.

No. of Pages : 45 No. of Claims : 14

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR PREPARING HIGHLY ACTIVE DOUBLE METAL CYANIDE CATALYSTS AND THEIR USE IN THE SYNTHESIS OF POLYETHER POLYOLS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :B01J31/02,B01J31/22,B01J27/26 :11382156.5 :17/05/2011 :EPO | (71)Name of Applicant : 1)REPSOL S.A. Address of Applicant :C/Mndez Spain | lvaro 44 E 28045 Madrid |
|--|--|---|-------------------------|
| (86) International Application No Filing Date (87) International Publication | :PCT/EP2012/059081 :16/05/2012 | (72)Name of Inventor : 1)BLANCO GONZ LEZ Mara 2 2)PRIETO NOGUERA Fernande | |
| No (61) Patent of Addition to Application Number Filing Date | :WO 2012/156431 :NA :NA | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | | |

(57) Abstract :

The present invention relates to a process of preparing a double metal cyanide (DMC) complex catalyst with an improved catalytic activity useful for epoxide polymerization. It also relates to the DMC catalyst obtainable by said process as well as to polyether polyols prepared by a polymerization reaction using said DMC catalyst.

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

(19) INDIA

(22) Date of filing of Application :21/02/2014

(54) Title of the invention : SOLAR TRACKER

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | :F24J2/54,F24J2/36,F24J2/40 :P201100916 :11/08/2011 :Spain :PCT/ES2012/000122 :04/05/2012 :WO 2013/021078 :NA | (71)Name of Applicant : 1)SOLTEC ENERGIAS RENOVABLES SL Address of Applicant :C/ Gabrel Campillo Pol. Industrial La Sarreta 30500 Molina de Segura Spain (72)Name of Inventor : 1)GRANT Thomas |
|---|--|---|
| Filing Date | :04/05/2012 | |
| (87) International Publication No | :WO 2013/021078 | 1)GKANT Thomas |
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The solar tracker comprises a base (1) and a solar panel (2) having first and second 5 opposite ends (2a, 2b). The first end (2a) can be connected to the base (1) by a first shaft (El) and the second end (2b) can be connected to the base (1) by a second shaft (E2), such that said solar panel (2) can pivot with respect to the base (1) alternately around the first shaft (El) and around the second shaft (E2) under the drive of a lifting mechanism. An automatic connection/disconnection device connects the second end (2b) of the solar panel (2) to the base (1) while at the same fime disconnecting the first end (2a) of the solar panel (2) from the base (1), and vice versa, every time the solar panel (2) reaches a position parallel to the base (1) for inverting the inclination of the solar panel (2) with respect to the base (1).

No. of Pages : 44 No. of Claims : 24

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| (5.4) 551.1 | 0.1 | | COL (DOCITION |
|-------------|--------|-----------|---------------|
| (54) Title | of the | invention | : 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 N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :1117037.0 :04/10/2011 :U.K. :PCT/IB2012/055300 :03/10/2012 | (71)Name of Applicant : 1)DUPONT NUTRITION BIOSCIENCES APS Address of Applicant :Langebrogade 1 P.O. Box 17 DK 1001 Copenhagen K Denmark (72)Name of Inventor : 1)BECH Allan Torben 2)FARMER Mark 3)FORREST Brad Alexander 4)WASSELL Paul 5)YOUNG Niall W.G. |
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(57) Abstract :

The present invention provides a composition comprising monoglycendes and diglycerides wherein the monoglycendes and diglycerides have an iodine value of at least 30; and wherein the fatty acids of the monoglycendes and diglycerides contain C22 fatty acids in an amount of at least 4.5wt% based on the total amount of fatty acids of the monoglycendes and diglycerides.

No. of Pages : 99 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR MANAGING INCOMING MESSAGES IN A VEHICLE

| (51) International classification | :B60R16/02 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :NA | 1)QOROS AUTOMOTIVE CO. LTD. |
| (32) Priority Date | :NA | Address of Applicant :Room 501 Binjiang International |
| (33) Name of priority country | :NA | Building Tonggang Road Changshu City Economic Development |
| (86) International Application No | :PCT/CN2011/079216 | Area Changshu Jiangsu 215512 China |
| Filing Date | :31/08/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/029258 | 1)BOELTER Markus Andreas |
| (61) Patent of Addition to Application | :NA | 2)YUN Zi |
| Number | | 3)LIU Yilin |
| Filing Date | :NA | 4)KUO Linying |
| (62) Divisional to Application Number | :NA | 5)ZHANG Leizhong |
| Filing Date | :NA | _ |
| | | |

(57) Abstract :

The invention relates to a system and a method for managing incoming messages in a vehicle the system including a receiver unit configured for receiving incoming messages a detection unit configured for determining a driving situation of the vehicle and generating a notification control signal in response to the determined driving situation and a notification unit coupled to the receiver unit and the detection unit the notification unit comprising a touch screen configured for notifying a driver of a received message in one of a number of different formats in response to the notification control signal.

No. of Pages : 18 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

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| (51) International classification | :G06F3/048 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)QOROS AUTOMOTIVE CO. LTD. |
| (32) Priority Date | :NA | Address of Applicant :Room 501 Binjiang International |
| (33) Name of priority country | :NA | Building Tonggang Road Changshu City Economic Development |
| (86) International Application No | :PCT/CN2011/079210 | Area Changshu Jiangsu 215512 China |
| Filing Date | :31/08/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/029256 | 1)BOELTER Markus Andreas |
| (61) Patent of Addition to Application | :NA | 2)YUN Zi |
| Number | :NA :NA | 3)LIU Yilin |
| Filing Date | .NA | 4)KUO Linying |
| (62) Divisional to Application Number | :NA | 5)ZHANG Leizhong |
| Filing Date | :NA | |
| (57) Alester et : | | 1 |

(54) Title of the invention : INTERACTIVE SYSTEM FOR VEHICLE

(57) Abstract :

The present invention relates to a method for allowing a user to control applications of a vehicle via an interactive system with a touch sensitive screen having an input area the method comprising: displaying a first representation of a first application in a first edge region of the touch sensitive screen; displaying a second representation of a second application in a main area of the touch sensitive screen; and replacing display of the second representation of the second application in the main area with a display of the first representation of the first application when a first type of finger gesture is detected wherein the first type of finger gesture includes a finger movement along one or more lines toward the first edge region.

No. of Pages : 22 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : GOGGLES | | |
|---|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61F9/02,A63B33/00 :1109408.3 :03/06/2011 :U.K. :PCT/GB2012/051239 :01/06/2012 :WO 2012/164297 :NA :NA :NA :NA | (71)Name of Applicant : 1)SPEEDO INTERNATIONAL LIMITED Address of Applicant :8 Manchester Square London Greater London W1 3PH U.K. (72)Name of Inventor : 1)WALLER Tom 2)JOHNSON Chris 3)SANTRY Joseph |

(57) Abstract :

The present invention relates to goggles, preferably extra-orbital goggles, having an outer surface defined by a pair of lens portions each having an upper and a lower peripheral wall. The upper and lower peripheral walls extend to an upper and lower peripheral edge respectively which, in use, are in contact with the wearers face. The outer surface defined by the upper peripheral walls is convex. This contributes to a goggle outer surface which is a smooth curve.

No. of Pages : 49 No. of Claims : 64

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

(57) Abstract :

The present invention provides a swimming cap (6) defining a cavity for accommodating a wearers head (2). The cap further defines an enlarged volume portion (7). In use, the enlarged volume portion (7) is positioned at the nape (3) of the wearers neck and contains the wearers hair. This results in improved hydrodynamics compared to traditional swimming cap designs especially when the wearer has long hair.

No. of Pages : 26 No. of Claims : 17

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : COUPLING DEVICE AND HOME AUTOMATION EQUIPMENT INCLUDING SUCH A 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 | :11 56216 :08/07/2011 :France | (71)Name of Applicant : 1)SOMFY SAS Address of Applicant :50 Avenue du Nouveau Monde F 74300 Cluses France (72)Name of Inventor : 1)DUPIELET Norbert 2)LAGARDE Eric |
|---|-------------------------------------|---|
|---|-------------------------------------|---|

(57) Abstract :

The invention relates to a coupling device (200) to be installed between an output shaft and an input shaft, such as an output shaft of an electric motor and an input shaft of a reducing gear of an actuator for driving a screen or a hatch that is part of home-automation equipment for closure, solar protection, or projection. Said coupling device (200) includes a first member (201) o which is rotatably secured, or suitable for being rotatably secured, to the output shaft, and which is provided with at least one longi - o tudinal outer groove (20 13), and a second member (202) which is rotatably secured, or suitable for being rotatably secured, to the in - put shaft, and which is provided with at least one longitudinal outer groove (2023). Said coupling device (200) further includes an lment (203) for rotatably coupling the first and second members together, which has, on at least one surface (203 1) thereof, at least two sries (SI, S2) of lugs (204) projecting from said surface, wherein the lugs (204) are inserted into the longitudinal outer groove (2013) of the first member (201) and the longitudinal outer groove (2023) of the second member (202), respectively.

No. of Pages : 28 No. of Claims : 19

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS AND APPARATUS FOR SULFUR MANAGEMENT IN CATALYTIC MIXED ALCOHOL SYNTHESIS

(57) Abstract :

The present invention provides methods to maintain selectivity to ethanol from syngas during mixed alcohol synthesis when methanol is being recycled. In some variations syngas is fed to an alcohol synthesis reactor that contains a sulfided metal catalyst and methanol is separated from ethanol to form a methanol recycle stream that contains sulfur containing compounds. Recycling the methanol stream back to the alcohol synthesis reactor allows for adding sulfur to or reducing sulfur loss from the sulfided metal catalyst. Optionally additional sulfur compounds may be introduced to maintain sulfur levels in sulfided metal catalysts. Preferred sulfiding agents concentrations and recycle strategies are disclosed herein.

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

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : VEHICLE S INTERACTIVE SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority countrive (51) International Application No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | ⁿ :PCT/CN2011/079215 :31/08/2011 ¹ :WO 2013/029257 :NA :NA | (71)Name of Applicant : 1)QOROS AUTOMOTIVE CO. LTD. Address of Applicant :Room 501 Binjiang International Building Tonggang Road Changshu City Economic Development Area Changshu Jiangsu 215512 China (72)Name of Inventor : 1)BOELTER Markus Andreas 2)YUN Zi 3)LIU Yilin 4)KUO Linying 5)ZHANG Leizhong |
|--|--|---|
|--|--|---|

(57) Abstract :

The invention relates to a method executable on an interactive system of a vehicle with a touch sensitive display the touch sensitive display having a screen configuration divided into a main area and a plurality of short cut areas each short cut area associated with each of a plu rality of applications and a pre selected function of each application the method comprising: (a) displaying a representation of each of the plurality of applications in each short cut area; (b) displaying information on one of the plurality of applications in the main area wherein at least two applications are running; and (c) executing a pre selected function of an application when a first type of finger gesture of a user is detected regardless the first type of finger gesture is performed in the main area or in a short cut area.

No. of Pages : 20 No. of Claims : 18

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE AND METHOD FOR CONTROL OF A MOTOR VECHICLE S PROPULSION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Eiling Date | :F16D48/06,B60W10/02,B60W30/18 :11507878 :31/08/2011 :Sweden :PCT/SE2012/050916 :29/08/2012 :WO 2013/032395 :NA :NA | (71)Name of Applicant : 1)SCANIA CV AB Address of Applicant :S 151 87 Sdertlje Sweden (72)Name of Inventor : 1)REDBRANDT Karl 2)LAGHAMN Andreas 3)PETERSSON Fredrik 4)WGBERG Mikael |
|--|---|---|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

The invention relates to a method a device and a computer programme for control of a motor vehicle s propulsion whereby a clutch torque (Req T) is demanded by a driver by activation of an accelerator pedal the degree of closure (G) of the vehicle s clutch actuator is controlled by feedback on the basis of a monitored engine torque and there is at least one further consumer (290) of engine power in addition to said propulsion. The method comprises the steps of detecting (s410) activation of said at least one further consumer and when such activation is detected changing (s420) said feedback control to open control whereby the degree of closure (G) of the vehicle s clutch torque (Req T) which clutch torque (Req T) is demanded by the driver by a activation of an accelerator pedal.

No. of Pages : 27 No. of Claims : 14

(21) Application No.1043/DELNP/2014 A

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS FOR STIRRING POLYMER PARTICLES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | n:B01J19/18,C08F10/00,B01F15/00 :13/136865 :12/08/2011 :U.S.A. :PCT/US2012/049189 :01/08/2012 | (71)Name of Applicant : 1)INEOS USA LLC Address of Applicant :3030 Warrenville Road Suite 650 Lisle Illinois 60532 U.S.A. (72)Name of Inventor : 1)POESEN Dirk |
|--|--|---|
| (87) International Publication | :WO 2013/025351 | |
| (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 an improved apparatus for continuously stirring polymer particles in reactive gas filled polymerization reactors incorporating contiguous paddle stations on a coaxial drive shaft wherein the drive shaft is driven by a hydraulic motor.

No. of Pages : 24 No. of Claims : 18

(21) Application No.1082/DELNP/2014 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

(51) International classification :H04L (71)Name of Applicant : (31) Priority Document No 1)InterDigital Technology Corporation :60/676,345 (32) Priority Date Address of Applicant :3411 Silverside Road, Concord Plaza, :29/04/2005 (33) Name of priority country Suite 105, Hagley Building, Wilmington, Delaware 19810, USA :U.S.A. (86) International Application No :PCT/US2006/015275 U.S.A. Filing Date :24/04/2006 (72)Name of Inventor : (87) International Publication No : NA 1)TERRY, Stephen, E. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :8446/DELNP/2007 Filed on :01/11/2007

(54) Title of the invention : MAC MULTIPLEXING AND TFC SELECTION PROCEDURE FOR ENHANCED UPLINK

(57) Abstract :

A method implemented in a wireless communication system including a wireless transmit/receive unit (WTRU), a Node-B and a radio network controller (RNC) for quantizing multiplexed data allowed by grants to closely match a selected enhanced uplink transport format combination (E-TFC) transport block size is disclosed. The amount of scheduled and non-scheduled data allowed to be transmitted is quantized so that the amount of data multiplexed into an enhanced uplink (EU) medium access control (MAC-e) protocol data unit (PDU) more closely matches the selected E-TFC transport block size. In an embodiment, the amount of buffered data allowed to be multiplexed by at least one grant, (a serving grant and/or a non-serving grant), is quantized so that the sum of scheduled and non-scheduled data including MAC header and control information multiplexed into a MAC-e PDU more closely matches the selected E-TFC transport block size.

No. of Pages : 42 No. of Claims : 16

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : SMOOTHLY BENDABLE BOARD (51) International classification :B32B3/28,B32B1/00,B32B29/08 (71)Name of Applicant : (31) Priority Document No 1)SCA FOREST PRODUCTS AB :NA (32) Priority Date Address of Applicant :S 851 88 Sundsvall Sweden :NA (33) Name of priority country (72)Name of Inventor : :NA (86) International Application 1)VISTR-M Magnus :PCT/SE2011/050956 2)H,,GGLUND Rickard No :20/07/2011 Filing Date (87) International Publication :WO 2013/012362 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 a smoothly bendable board (6) comprising a middle layer (3) a first outer layer (2) attached to the middle layer (3) and a second outer layer (5) attached to the middle layer (3) where the second outer layer (5) has a lower bending stiffness according to ISO 5628 than the first outer layer (2) such that the smoothly bendable board(6) is outwardly bendable only in a direction towards which the second layer (5) faces. A method for producing a smoothly bendable board (6) is also disclosed.

No. of Pages : 23 No. of Claims : 13

(21) Application No.1386/DELNP/2014 A

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : OIL LEVEL MEASUREMENT SYSTEM AND METHOD

| (51) Internationalclassification(31) Priority Document No | :F16H57/04,F16H61/4165,G01F23/18 | (71)Name of Applicant : 1)ALLISON TRANSMISSION INC. Address of Applicant :PO Box 894 Indianapolis IN 46207 |
|---|-----------------------------------|--|
| (32) Priority Date(33) Name of prioritycountry | :29/07/2011 :U.S.A. | U.S.A. (72)Name of Inventor : 1)SHEETS Avery T. |
| (86) International Application No Filing Date | :PCT/US2012/048092 :25/07/2012 | ijoneelio Avery 1. |
| (87) International Publication No | :WO 2013/019496 | |
| (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 method of determining if a fluid level in a transmission is satisfactory. The transmission includes a controller and is coupled to a powered vehicle. The method includes measuring a grade of the surface upon which the vehicle is positioned with an inclinometer and measuring the fluid level in the transmission with a fluid sensor. The method also includes communicating the measured grade and measured fluid level to the controller and determining a fluid level threshold based on the measured grade. The measured fluid level and fluid level threshold are compared and a determination is made if the measured fluid level is satisfactory based on the comparison.

No. of Pages : 21 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : WIRELESS TRANSMISSION DEVICE WIRELESS TRANSMISSION SYSTEM AND METHOD FOR CONTROLLING WIRELESS TRANSMISSION 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 | :2011122042 :31/05/2011 :Japan :PCT/JP2012/003159 :15/05/2012 :WO 2012/164840 :NA :NA :NA | (71)Name of Applicant : NEC Corporation Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo (72)Name of Inventor : SONOBE Satoshi |
|---|---|---|
| Filing Date | :NA | |

(57) Abstract :

In order to improve efficiency of data transmission in a wireless transmission band under a condition in which both adaptive modulation scheme and FDD scheme are employed, and fixed rate signals and a variable rate signal 10 are multiplex-transmitted, one wireless transmission device (2 1) multiplexes a plurality of fixed rate signals (FS11 to n) and a variable rate signal (VS2) to generate a frame (FRI), and sends the frame (FRI) to another wireless transmission device (2 2) through a wireless transmission path (CHI). At this time, the device (2 1) includes, in the frame (FRI), information (MN) relating to 15 a number of multiplexed fixed rate signals. The device (2 2) multiplexes a plurality of fixed rate signals (FS3 1 to n) and a variable rate signal (VS3) to generate a frame (FR2), and sends the frame (FR2) to the device (21) through a wireless transmission path (CH2) having a different frequency. At this time, the device (2 2) determines a number of multiplexed fixed rate signals in the frame 20 (FR2) according to the information (MN).

No. of Pages : 37 No. of Claims : 10

(21) Application No.10340/DELNP/2013 A

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :C08G75/20,C08G65/38 :61/489955 :25/05/2011 :U.S.A. :PCT/EP2012/059775 :24/05/2012 | (71)Name of Applicant : 1)SOLVAY SPECIALTY POLYMERS USA LLC Address of Applicant :4500 McGinnis Ferry Road Alpharetta Georgia 30005 3914 U.S.A. (72)Name of Inventor : 1)CORBIN George A. |
|--|---|--|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2012/160172 :NA :NA :NA :NA | 2)MOORE Theodore 3)BHATNAGAR Atul |

(54) Title of the invention : POLYMERS WITH REDUCED ESTROGENIC ACTIVITY

(57) Abstract :

A polymer which comprises recurring units derived from at least one monomer (M) having a general formula (I) Y Z Q Z Y wherein Y and Y equal or different from each other are independently selected from a group consisting of OH SH C1 Br NO or I; Z and Z equal or different from each other independently comprises at least 1 aromatic ring and Q comprises at least one hydrophilic moiety (H) selected from the group consisting of a sulfone (SO) a ketone (CO) a phosphine oxide (PO) an ether a thioether an ester an anhydride a carbonate an amide an imide an imine and an urethane group and the interatomic distance between Y and Y is at least 10 ... the monomer has an EC response value to the estrogen receptor a (ERa) equal to or at least 26000 nM.

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

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR PROVIDING A LIQUID REDUCING AGENT HAVING A PARTICLE FILTER

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F01N3/20 :10 2011 112 326.5 :02/09/2011 :Germany :PCT/EP2012/066365 :22/08/2012 :WO 2013/030067 :NA :NA :NA :NA | (71)Name of Applicant : 1)EMITEC GESELLSCHAFT FR EMISSIONSTECHNOLOGIE MBH Address of Applicant :Hauptstrae 128 53797 Lohmar Germany (72)Name of Inventor : 1)BRCK Rolf 2)SCHEPERS Sven 3)HODGSON Jan |
|---|--|--|
|---|--|--|

(57) Abstract :

The invention relates to a device (1) for providing a liquid reducing agent (15) comprising a reservoir (2) having an inner space (3) and a container (4) that is arranged in the inner space (3) of the reservoir (2) at least in part wherein the container (4) is surrounded at least in part by a particle filter (5) through which a liquid can flow and a conveyor unit (8) is located in the container (4) which conveyor unit is configured for the purpose of conveying reducing agents (15) from the reservoir (2) through the particle filter (5) and then out to a delivery point (9) for reducing agents (15).

No. of Pages : 29 No. of Claims : 11

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DECODERS AND METHODS THEREOF FOR MANAGING PICTURES IN VIDEO DECODING PROCESS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :H04N7/26 :61/539539 :27/09/2011 :U.S.A. :PCT/SE2012/050992 :20/09/2012 :WO 2013/048311 :NA | (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (publ) Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor : 1)SAMUELSSON Jonatan 2)SJ-BERG Rickard 3)WENNERSTEN Per |
|---|--|--|
| | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An object with the embodiments of the present invention is to make it well defined from which previously decoded picture to retrieve the values for calculating POC of the current picture regardless of how many temporal layers have been decoded. That is achieved by determining the POC of the current picture to be used by the decoder as a sum of a syntax element pic_order_cnt_lsb and a most significant bits of the POC PicOrderCntMsb of the current picture wherein the PicOrderCntMsb of the current picture is derived using at least a prevPicOrderCntMsb and a prevPicOrderCntLsb and the prevPicOrderCntMsb is set equal to the most significant bits of the POC of a previous reference picture in decoding order that has a layer identity equal to zero and prevPicOrderCntLsb is set equal to the value of the least significant bits of the POC of a previous reference picture in decoding order that has a layer identity equal to zero.

No. of Pages : 21 No. of Claims : 2

(21) Application No.10218/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :G05B19/042 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2011 102 274.4 | 1)PILZ GMBH & CO. KG |
| (32) Priority Date | :23/05/2011 | Address of Applicant : Felix Wankel Str. 2 73760 Ostfildern |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/057827 | (72)Name of Inventor : |
| Filing Date | :27/04/2012 | 1)STEGMAIER Simon |
| (87) International Publication No | :WO 2012/159850 | 2)NAWRATIL Timo |
| (61) Patent of Addition to Application | :NA | 3)WUELLRICH Juergen |
| Number | :NA | |
| Filing Date | .11A | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
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(54) Title of the invention : METHOD FOR OPERATING A SAFETY CONTROL DEVICE

(57) Abstract :

The invention relates to a method for operating a safety control device (26) comprising the following steps: providing a number of calculation unit (36 38); detecting an input signal; determining a floating point value depending on the input signal; determining an input interval depending on the floating point value; determining a number of result intervals wherein a respective result interval is determined by means of the calculation units (36 38) and wherein the calculation units (36 38) are designed to apply at least one first computing rule containing interval arithmetic to the input interval; determining an output value on the basis of the result intervals when an output criterion is met; determining an output signal on the basis of the output signal.

No. of Pages : 38 No. of Claims : 16

(19) INDIA

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

(54) Title of the invention : POINTER TYPE DISPLAY DEVICE

(43) Publication Date : 30/01/2015

| (51) International classification | :G01D11/28,B60K37/02 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :2011182084 | 1)NIPPON SEIKI CO.LTD. |
| (32) Priority Date | :24/08/2011 | Address of Applicant :2 34Higashi zaoh 2 chomeNagaoka shi |
| (33) Name of priority country | :Japan | Niigata 9408580 Japan |
| (86) International Application No | :PCT/JP2012/067159 | (72)Name of Inventor : |
| Filing Date | :05/07/2012 | 1)HAMADAKazunari |
| (87) International Publication No | :WO 2013/027497 | 2)YABESadao |
| (61) Patent of Addition to Application | :NA | 3)AKIYAMAYasushi |
| Number | :NA | |
| Filing Date | .1174 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is a pointer-type display device having a high degree of design freedom, with which a design can be efficiently illuminated. Said device is 5 provided with a Hght guide letter board (IO), a hght guide body (20), and a pointer (30), and a first Ught source (51). The Ught guide letter board (IO) comprises: a transparent hght guide section (II) having a letter plate hole section (iII) through which a pointer shaft (41) is inserted; a design display section (12) that displays a design and is formed on the front face of the hght 10 guide section (II). a first optically transparent emission section (122a) of the design display section (12) that emits hght; and an optical diffusion section (13) provided in a position corresponding to this first optically transparent emission section (122a) by means of hght-diffusion that is achieved by this optical 15 diffusion section (13). The hght guide body (20) causes hght to be introduced from the first hght source (51) into an inside wall hght-introduction section (ilia) that is arranged in the inside wall of the letter plate hole section (ill).

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

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : BACTERICIDAL AGENT AND METHOD FOR PRODUCING SAME

| 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 | :A01N05/00,A01F5/00,A01K50/00 :2011156607 :15/07/2011 :Japan :PCT/JP2012/004547 :13/07/2012 :WO 2013/011679 :NA :NA | (71)Name of Applicant : 1)KABUSHIKI KAISHA OUJU SEIYAKU Address of Applicant :10 1 Chikami 7 chome Minami ku Kumamoto shi Kumamoto 8614101 Japan (72)Name of Inventor : 1)IWAHARA Masayoshi 2)MORITA Hiroshi 3)MIYATA Kazuyuki |
|---|---|---|
| Number | :NA :NA | |

(57) Abstract :

T o provide: a bactericidal agent which utilizes a bactericidal acrivity and a pnarmacological activnv o i a plant belonging t o the family Juncaceae comprises a material produced by seeding a seed mushroom mycelium t o a plant belonging t o the family Juncaceae culturing the mycelium while adding a nutrient source t o thereby proliferate the mycelium and then drying the proliferated mycelium, can exhibit an excellent bactericidal activity even when used in a small amount, can b e added t o a food, can b e sprayed onto an agricultural crop or soil, and can b e used as a therapeutic agent for athletes foot; and a method for producing the bactericidal agent. [Solution] A plant belonging t o the family Juncaceae whicn i s cut into a predetermined length or wmch i s cut into a predetermined length and then milled i s mixed with a nutrient source for a seed mushroom mycelium, and the seed mycelium i s seeded t o the mixture o f the plant belonging t o the family Juncaceae and the nutrient source and then cultured at a growth temper ature for the seed mycelium for a predetermined time period.

No. of Pages : 53 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

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| (51) International classification | :A61B1/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2011193255 | 1)Mu Ltd. |
| (32) Priority Date | :05/09/2011 | Address of Applicant :1 5 Yokotani Seta Oe cho Otsu shi |
| (33) Name of priority country | :Japan | Shiga 5202194 Japan |
| (86) International Application No | :PCT/JP2012/072335 | (72)Name of Inventor : |
| Filing Date | :03/09/2012 | 1)NISHIHARA Hironori |
| (87) International Publication No | :WO 2013/035665 | 2)OHTSUKA Naotake |
| (61) Patent of Addition to Application | :NA | 3)SHINDO Yasunori |
| Number | :NA :NA | 4)HIGUCHI Kazuhide |
| Filing Date | .1NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | ł |

(54) Title of the invention : MEDICAL DEVICE

(57) Abstract :

Provided is a medical device comprising a self propelled capsule endoscope which propels itself inside the human body by oscillation of a fin portion and a capsule control device which controls self propulsion of the capsule endoscope from outside the body the medical device being capable of precisely controlling the direction of movement of the capsule endoscope easily. This medical device (1) comprises: a capsule endoscope (2) which is equipped with a magnet (21) having a magnetization direction in an axial direction is provided with a fin portion (2b) on the rear end of the endoscope main body (2a) in the axial direction and which can be self propelled inside the body; and a capsule control device (3) which controls self propulsion of the capsule endoscope (2) from outside the body by generating a static magnetic field and an alternating magnetic field orthogonal thereto the directions of which are controlled three dimensionally. The capsule endoscope (2) receives the static magnetic field and moves rotationally such that the magnetization direction is parallel to the direction of the static magnetic field and receives the alternating magnetic field to which the magnet (21) reacts whereby the fin portion (2b) bends and oscillates which then generates a propelling force in the axial direction.

No. of Pages : 48 No. of Claims : 11

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : BLOCKADE OF INFLAMMATORY PROTEASES WITH THETA DEFENSINS

| (51) International classification | :A61K38/10,A61K38/12,A61P29/00 | (71)Name of Applicant : 1)THE REGENTS OF THE UNIVERSITY OF |
|---|-----------------------------------|---|
| (31) Priority Document No | :61/492753 | CALIFORNIA |
| (32) Priority Date | :02/06/2011 | Address of Applicant :1111 Franklin Street 12th Floor |
| (33) Name of priority country | y:U.S.A. | Oakland CA 94607 U.S.A. |
| (86) International Application No Filing Date | :PCT/US2012/040455 :01/06/2012 | (72)Name of Inventor :1)SELSTED Michael E.2)TRAN Dat Q. |
| (87) International Publication No | ¹ :WO 2012/167077 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Drug compositions for treatment of one or more inflammatory conditions can includes at least one of a theta defensin analog or derivative thereof. Inventive methods include researching theta defensins analogs or derivatives thereof for their efficacy with respect to anti inflammatory effects and providing such compositions to the market place for the purpose of treating inflammatory conditions. Of particular interest are drug compositions effective to produce clinically relevant inhibition of tumor necrosis factor alpha (TNF alpha) converting enzyme (TACE) or other proinflammatory proteases and/or sheddases such as RTD 1 27 RTD 1 28 or RTD 1 29. It is contemplated that preferred compositions can be used to treat rheumatoid arthritis inflammatory bowel disease and other chronic inflammatory diseases autoimmune diseases cancer and Alzheimer's osteoarthritis inflammation related neurodegenerative and other inflammation related diseases.

No. of Pages : 50 No. of Claims : 33

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : HAIR DYEING PROCESS EMPLOYING AT LEAST ONE DIHYDROXYFLAVANOL A MANGANESE OR ZINC SALT HYDROGEN PEROXIDE (BI)CARBONATE AN ALKALINE AGENT AND A MAGNESIUM MOLYBDENUM OR CALCIUM SALT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A61Q5/10,A61K8/19,A61K8/22 :1155525 :23/06/2011 :France :PCT/EP2012/062104 :22/06/2012 o:WO 2012/175684 :NA :NA | (71)Name of Applicant : 1)LOREAL Address of Applicant :14 rue Royale F 75008 Paris France (72)Name of Inventor : 1)RONDOT Christophe 2)CHOISY Patrick |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a process for dyeing keratin fibres in particular human keratin fibres such as the hair in which said fibres are treated with one or more cosmetic compositions containing taken together or separately in said composition(s) the following ingredients : a) one or more dihydroxyflavanol derivative(s) b) one or more manganese salt(s) or one or more zinc salt(s) c) hydrogen peroxide or one or more hydrogen peroxide generating system(s) d) one or more (bi)carbonate(s) or one or more (bicarbonate generating system(s) e) one or more alkalinizing agent(s) other than the bicarbonate(s) and f) one or more metal salt(s) chosen from magnesium salts molybdenum salts and calcium salts; it being understood that the pH of at least one of the compositions comprising at least one of the ingredients a) b) d) e) and/or f) is alkaline i.e. greater than 7 and that the ingredient f) is applied together i. e. as co treatment with at least one of the other ingredients a) to e).

No. of Pages : 56 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :A61F2/38 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/503348 | 1)DEPUY PRODUCTS INC. |
| (32) Priority Date | :30/06/2011 | Address of Applicant :700 Orthopeadic Drive Warsaw IN |
| (33) Name of priority country | :U.S.A. | 46581 U.S.A. |
| (86) International Application No | :PCT/US2012/044356 | (72)Name of Inventor : |
| Filing Date | :27/06/2012 | 1)WYSS Joseph G. |
| (87) International Publication No | :WO 2013/003435 | 2)BENNETT Travis D. |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
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(54) Title of the invention : POSTERIOR STABILIZED ORTHOPAEDIC PROSTHESIS ASSEMBLY

(57) Abstract :

A posterior stabilized knee orthopaedic prosthesis assembly includes a tibial bearing, a primary femoral component, and a revision femoral component. Each of the primary and revision femoral components is con figured to separately articulate with the tibial bearing. However, each of the primary and revision femoral components has different geometry. The primary femoral component includes a posterior cam surfacing including a concave cam surface and a convex cam surface. The re vision femoral component includes a posterior cam having only a convex cam surface.

No. of Pages : 32 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :20/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR MAKING POLYSILOXANE/POLYIMIDE COPOLYMER BLENDS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :11/425, 732 :22/06/2006 :U.S.A. :PCT/US2007/068103 :03/05/2007 : NA :NA :NA | (71)Name of Applicant : 1)SABIC INNOVATIVE PLASTICS IP B.V. Address of Applicant :Plasticslann 1, NL-4612 PX Bergen op Zoom, The Netherlands (72)Name of Inventor : 1)BANERJEE Susanta 2)GALLUCCI Robert Russell 3)HARALUR Gurulingamurthy M. 4)KAILASAM Ganesh 5)KERNICK William A. III 6)VAKU Utpel Mehendre |
|--|---|--|
| (62) Divisional to Application NumberFiled on | :10243/DELNP/2008 :03/05/2007 | 6)VAKIL Utpal Mahendra |

(57) Abstract :

A method of making a thermoplastic conlposition comprises melt bleilding two polysiloxane/polyimide block copolymers. Both of the block copolyiners have extended polysiloxane blocks.

No. of Pages : 40 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD OF SEARCHING FOR UNSTEADY DUST SOURCE POSITION OF DUSTFALL (51) International classification :G01W1/00 (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL (31) Priority Document No :2011178038 (32) Priority Date :16/08/2011 **CORPORATION** (33) Name of priority country Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku :Japan (86) International Application No :PCT/JP2012/070759 Tokyo 1008071 Japan Filing Date :15/08/2012 (72)Name of Inventor : (87) International Publication No 1)ITO Nobuaki :WO 2013/024875 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The product is taken of a coefficient (Bi) and central axis vertical sectional areas (Si, S 2) of dust source search r e gions relating t o evaluation points (iM,) at a coordinate point (p) in first and second generation source search regions (g (M, it), g i)) having a central axis extending t o the windward side of a representative wind direction (WD), with the evaluation points (iM, as start points; and assumed dust amounts (Ei, E 2) are calculated. It is then determined whether the ratio of the assumed dust amounts (Ei, E2) falls within a predetermined range.

No. of Pages : 137 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B60C15/00,B60C15/06 :1154933 :07/06/2011 :France :PCT/EP2012/060652 :06/06/2012 :WO 2012/168274 :NA :NA :NA :NA | (71)Name of Applicant : COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Address of Applicant :12 Cours Sablon F 63000 Clermont Ferrand France MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor : I)FERLIN Olivier 2)HARLE Fran§ois |
|---|--|--|
|---|--|--|

(54) Title of the invention : BEAD FOR A TIRE FOR A HEAVY CIVIL ENGINEERING VEHICLE

(57) Abstract :

The invention relates to improving the endurance of a bead of a radial tire for a heavy civil engineering vehicle by reducing the return compressive stress of the ply turn up during the rolling of the tire. According to the invention for a tire for a heavy civil engineering vehicle having two beads (1) which are to come into contact with a rim having two rim flanges (2) a carcass reinforcement including at least one casing reinforcement layer (3) having a main portion (31) wound around each bead (1) from the inside to the outside of the tire surrounding a bead core (4) having a substantially circular meridional cross section so as to form a ply turn up (32) a filling element (5) extending the bead core (4) radially outward and axially separating the main portion (31) and the ply turn up (32) the distance (d) between a first portion of the ply turn up (321) and the main portion (31) continuously decreasing radially inward from the core (4) up to a minimum distance (d) between a second portion of the ply turn up (321) radially outward and the main portion (31) being substantially constant and equal to the minimum distance (d) between the first portion of the ply turn up (321) and the main portion (31).

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

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : NON FRET BOTULINUM ASSAY | | |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :G01N33/542,G01N33/569 :61/492237 :01/06/2011 :U.S.A. :PCT/US2012/040240 :31/05/2012 :WO 2012/166943 :NA :NA | (71)Name of Applicant : 1)BIOMADISON INC. Address of Applicant :1568 Luneta Drive Del Mar California 92014 U.S.A. (72)Name of Inventor : 1)ATAPATTU Dhammika 2)TUCKER Ward |

(57) Abstract :

A composition includes an artificial construct having (a) a reporter containing portion chemically coupled to (b) a cleavage site. The cleavage site interacts with an investigational substance in a manner that cleaves the reporter containing portion from a remainder of the construct. The cleaved portion is destroyed or otherwise degraded by the local environment and presence of an investigational substance is evidenced by reduction in signal from the reporter. The investigational substance is preferably a Botulinum toxin (BoTN) and the cleavage sequence is all or part of a SNARE protein. The cleavable reporter containing portion is preferably Yellow Fluorescent Protein (YFP) Citrine Venus or a YPet protein.

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

(22) Date of filing of Application :18/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS AND COMPOSITIONS OF PREDICTING ACTIVITY OF RETINOID X RECEPTOR MODULATOR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C40B40/06,C12N15/12,C12Q1/68 :61/494773 :08/06/2011 :U.S.A. :PCT/US2012/041379 :07/06/2012 :WO 2012/170704 :NA :NA | (71)Name of Applicant : 1)DENOVO BIOPHARMA (HANGZHOU) LTD. CO. Address of Applicant :452 6th Ave. Bldg. 2 Rm. A1405 A1412 Hangzhou Economic and Technological Development Zone Hangzhou Zhejiang 310018 China (72)Name of Inventor : 1)LUO Wen |
|---|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention describes genomic biomarkers that have been discovered to correlate with varied individual responses (efficacy, adverse Blood Sample effect, and other end points) to therapeutic retinoid X receptor modulator, such from Patient as bexarotene, in treating diseases such as, non small cell lung cancer. The newly discovered biomarkers and others in linkage disequilibrium with them can be used in 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 : 50 No. of Claims : 35

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MECHANICAL SYSTEM COMPRISING A DEVICE FOR CONNECTION BETWEEN A WEARING PART AND THE SUPPORT THEREOF HEAVY CONSTRUCTION MACHINE BUCKET AND METHOD FOR IMPLEMENTING SAID SYSTEM

| (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (34) International Application No (35) Filing Date (36) International Publication No (37) PCT/EP2012/066959 (31/08/2012 (31/08/20 | (32) Priority Date (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 | :01/09/2011 :France :PCT/EP2012/066959 :31/08/2012 :WO 2013/030334 :NA :NA :NA | Address of Applicant :2 place de Francfort F 69003 Lyon France (72) Name of Inventor : |
|--|---|---|---|
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(57) Abstract :

The invention relates to a mechanical System (1) comprising a support (10), a wearing part (20) and a device (30) for o interconnecting said two components. The support (10) comprises two openings on either side of a housing (14) for receiving the device (30). The device (30) comprises a threaded key (50), a nut (60) that can be screwed to the threaded foot of the key (50), and an elastic sheath (40) provided with a wall that can be adjusted by dformation in the housing (14) of the support (10), by screwing bet ween the threaded foot of the key (50) and the nut (60). Each opening of the housing (14) comprises a first part centred on a central axis (XI 4) of the housing (14) and radially extending by a maximum of 180° around said central axis, and a second part that is connected to the first part and radially staggered in relation to the central axis. In the insertion configuration, the device (30) passes and does not exert any locking force on the wearing part (20). In the locking configuration, the axis (X50) of the key is essentially aligned with the central axis of the housing (14), the wall of the sheath (40) is adjusted in the housing (14) and the device (30) exerts locking forces on the wearing part (20). The invention also relates to a heavy-construction machine bucket (G) comprising such a System, and to a method for implementing such a System (1). (57) Abrg : La prsente invention concerne un syst me mcanique (1), comprenant un support (10), une pi⁻ce dusure (20) et un dispositif (30) de liaison entre eux. Le support (10) comprend deux orifices dbouchant de part et dautre dun logement (14) de rception du dispositif (30). Le dispositif (30) comprend une clavette filete (50), un crou (60) apte ^atre viss sur le pied filet de la clavette (50), et un fourreau lastique (40) muni dune paroi ajustable par dformation dans le logement (14) du support (10), par vissage entre le pied filet de la clavette (50) et lcrou (60). Chaque orifice dbouchant du logement (14) comporte une pre mi[°]re partie centre sur un axe central (XI 4) du logement (14) et stendant radialement au plus sur 180° autour de cet axe central. et une deuxi"me partie raccorde la premi"re partie et dcale radialement par rapport laxe central. Dans la configuration din sertion, le dispositif (30) traverse la deuxi^mme partie des orifices et nexerce pas deffort de verrouillage sur la pi^mce dusure (20). Dans la configuration de verrouillage, laxe de clavette (X50) est sensiblement align avec laxe central du logement (14), la paroi du fourreau (40) est ajuste dans le logement (14) et le dispositif (30) exerce des efforts de verrouillage sur la pi⁻ce dusure (20). Linvention concerne galement un godet (G) dengin de travaux publics comprenant un tel syst"me, ainsi quun procd de mise en oeuvre dun tel syst^{me} (1). through the second part of the openings

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : ALDH 2 INHIBITORS IN THE TREATMENT OF ADDICTION

| (51) International classification (31) Priority 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 | :C07D311/36,C07D405/06,A61K31/352 :61/529164 :30/08/2011 :U.S.A. :PCT/US2012/053110 :30/08/2012 :WO 2013/033377 | (71)Name of Applicant : 1)GILEAD SCIENCES INC. Address of Applicant :333 Lakeside Drive Foster City CA 94404 U.S.A. (72)Name of Inventor : 1)GRAUPE Michael 2)VENKATARAMANI Chandrasekar 3)ZABLOCKI Jeff |
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|--|---|--|

(57) Abstract :

Disclosed are novel isoflavone derivatives having the structure of Formula (I) which are ALDH 2 inhibitors useful for treating a patient in need thereof for dependence upon drugs of addiction for example addiction to dopamine producing agent such as cocaine morphine amphetamines nicotine and alcohol.

No. of Pages : 71 No. of Claims : 32

(22) Date of filing of Application :30/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR SYNTHESIZING OMEGA FUNCTIONALIZED ACIDS FROM FATTY ACIDS OR FATTY ESTERS

| classification (31) Priority Document No :11 (32) Priority Date :19 (33) Name of priority :Fr country :Fr (86) International :P(Application No :10 (87) International :W Publication No (61) Patent of Addition to Application Number :N Filing Date :N (62) Divisional to :N Application Number :N | C07C51/36,C07C59/01,C07C51/377 156526 9/07/2011 Trance CCT/FR2012/051627 0/07/2012 WO 2013/011226 JA JA | (71)Name of Applicant : 1)ARKEMA FRANCE Address of Applicant :420 rue dEstienne dOrves F 92700 Colombes France (72)Name of Inventor : 1)DUBOIS Jean Luc |
|---|---|---|
|---|---|---|

(57) Abstract :

The subject matter of the invention is a process for synthesizing functionalized acids of formula R (CH) COOH in which R is COOH or NHCH from a feedstock of natural origin containing hydroxylated fatty acids.

No. of Pages : 29 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :30/12/2013

(54) Title of the invention · WINDER AND A TURRET UNIT

(43) Publication Date : 30/01/2015

| D IT TORRET OTH | |
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| | |
| :B65H19/30 | (71)Name of Applicant : |
| :1122/11 | 1)SWISS WINDING INVENTING AG |
| :05/07/2011 | Address of Applicant :Sonnenhof 3 CH 8808 Pfffikon |
| :Switzerland | Switzerland |
| :PCT/CH2012/000154 | 2)WINDM-LLER & H-LSCHER KG |
| :04/07/2012 | (72)Name of Inventor : |
| :WO 2013/003968 | 1)PRYLE Richard David |
| ·NI A | 2)MARTINEZ Carlos |
| | 3)KAMMANN Rolf |
| .NA | 4)HOFFMANN Frank |
| :NA | |
| :NA | |
| | :1122/11 :05/07/2011 :Switzerland :PCT/CH2012/000154 :04/07/2012 :WO 2013/003968 :NA :NA :NA |

(57) Abstract :

Winder for an endless web of plastics sheet material (2) having a turret unit (6 6 55 90) which is designed for rotation about its axis (16) and has at least two winding shafts (10 12 10 12) which run parallel to its axis and onto which the winding cores (17) can be loaded and then can be wound with the sheet material (2) to form a roll (18) and finally can be removed again therefrom as a finished roll (18) wherein both sides of the turret unit (6 6 50 90) have bearing arrangements in which the corresponding ends of the winding shafts (10 12 10 12) are mounted and wherein the bearing means for one end of the winding shafts (10 12 10 12) is designed in a releasable manner such that with the bearing means released the respective winding shaft (10 12 10 12) can be loaded and unloaded from this end characterized in that the loosely designed bearing arrangements each have a gripper arrangement (36 38) with a two armed scissors unit (39 41) the scissors arms (42 43) of which in the closed position embrace the winding shaft (10 12 10 12 10 12) and in the open position are pivoted away from the same.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS METHOD AND ARTICLE FOR COLLECTION CHARGING AND DISTRIBUTING POWER STORAGE DEVICES SUCH AS BATTERIES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :H02J7/04,H01M10/46 :61/511900 :26/07/2011 :U.S.A. :PCT/US2012/048347 :26/07/2012 :WO 2013/016540 :NA :NA :NA :NA | (71)Name of Applicant : 1)GOGORO INC. Address of Applicant :Walker House 87 Mary Street George Town Grand Cayman KY1 9005 Cayman Island (72)Name of Inventor : 1)LUKE Hok Sum Horace 2)TAYLOR Matthew Whiting 3)HUNG Huang Cheng |
|---|---|---|
|---|---|---|

(57) Abstract :

A collection charging and distribution machine collects charges and distributes portable electrical energy storage devices (e.g. batteries super or ultracapacitors). To charge the machine employs electrical current from an external source such as the electrical grid or an electrical service of an installation location. The machine determines a first number of devices to be rapidly charged employing charge from a second number of devices identified to sacrifice charge. Thus some devices may be concurrently charged via current from the electrical service and current from other devices to achieve rapid charging of some subset of devices. The devices that sacrifice charge may later be charged. Such may ensure availability of devices for end users.

No. of Pages : 80 No. of Claims : 55

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND APPARATUS FOR ASSESSING THE QUALITY OF A COMMUNICATION CHANNEL IN A MULTI DOMAIN NETWORK

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :EPO :PCT/EP2012/066593 :27/08/2012 | (71)Name of Applicant : 1)ALCATEL LUCENT Address of Applicant :3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor : 1)GACANIN Haris |
|--|---|---|
| (87) International Publication No | :WO 2013/041327 | |
| Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method for assessing the quality of a communication channel in a multi domain network the method comprising at a device attached to said communication channel : transmitting a probe signal onto said communication channel said transmitting being coordinated with the transmission of at least one alien probe signal by another network node; subsequently to said transmitting receiving a mixed feedback signal said mixed feedback signal comprising a first component corresponding to said probe signal and a second component corresponding to said at least one alien probe signal; extracting said first component from said mixed feedback signal; assessing the quality of said communication channel on the basis of said extracted first component; wherein said probe signal and said at least one alien probe signal are designed to facilitate their separation after having been superimposed.

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

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR PREPARING HIGH PURITY AND CRYSTALLINE DIMETHYL FUMARATE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :08/06/2012 :WO 2012/170923 :NA :NA | (71)Name of Applicant : 1)BIOGEN IDEC MA INC. Address of Applicant :14 Cambridge Center Cambridge MA 02142 U.S.A. (72)Name of Inventor : 1)GUZOWSKI John 2)KIESMAN William 3)IRDAM Erwin |
|---|--|--|
| Filing Date | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| | | |

(57) Abstract :

THE PRESENT INVENTION DESCRIBES A PROCESS FOR THE PREPARATION OF DIMETHYL FUMARATE. THE PROCESS INVOLVES THE ESTERIFICATION OF FUMARIC ACID AND METHANOL IN THE PRESENCE OF SULFURIC ACID AS AN ACID CATALYST. THE HIGH PURITY DIMETHYL FUMARATE CONTAINS NO MORE THAN TRACE AMOUNTS OF DIMETHYL SULFATE. THE PRESENT INVENTION ALSO PROVIDES A PROCESS FOR THE PREPARATION OF HIGHLY PURE DIMETHYL FUMARATE WITH A PARTICLE SIZE FROM 20 TO 250 P.

No. of Pages : 38 No. of Claims : 18

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TIRE INCLUDING A TREAD PROVIDED WITH INCISIONS INCLUDING WIDE PORTIONS AND NARROW PORTIONS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B60C11/12,B60C9/20 :1156357 :12/07/2011 :France :PCT/EP2012/063568 :11/07/2012 :WO 2013/007745 :NA :NA :NA :NA | (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)BERGER Eric 2)FLAMENT Julien 3)MUHLHOFF Olivier |
|---|---|---|
|---|---|---|

(57) Abstract :

The invention relates to a tire including a rolling surface having incisions (20) that have a substantially transverse orientation open onto the rolling surface have a depth P and form on the rolling surface of the tire in the new condition two edges (21 22) defining at least one narrow portion (30) of the incision having a mean width LE ≤ 2 mm and at least one wide portion (40) of the incision having a mean width LL > 2 mm said wide and narrow portions being alternately arranged and extending over the entire depth P of the incision (20). The volume of each wide portion (40) is primarily between half the depth P of the cutout and the depth P. Said tire is characterized by a relation between the sum LE the thickness of the tread and other values.

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

(22) Date of filing of Application :30/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : HYBRID MATERIALS AND NANOCOMPOSITE MATERIALS METHODS OF MAKING SAME AND USES THEREOF

| (31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application | :B82B3/00,B82B1/00,C01G49/06 :61/503085 :30/06/2011 :U.S.A. :PCT/US2012/045188 | 1)CORNELL UNIVERSITY Address of Applicant :Cornell Center For Technology Enterprise & Commercialization (cctec) 395 Pine Tree Road Suite 310 Ithaca NY 14850 U.S.A. |
|---|--|--|
| No Filing Date (87) International Publication No | :02/07/2012 :WO 2013/003836 | (72)Name of Inventor : 1)ARCHER Lynden A. 2)YANG Zichao 3)DAS Shyamal Kumar |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | |
| Filing Date | .117 | |

(57) Abstract :

Hybrid materials and nanocomposite materials, methods of making and using such materials. The nanoparticles of the nanocomposite are formed in situ during pyrolysis of a hybrid material comprising metal precursor compounds. The nanoparticles are uniformly distributed in the carbon matrix of the nanocomposite. The nanocomposite materials can be used in devices such as, for example, electrodes and on-chip inductors.

No. of Pages : 65 No. of Claims : 18

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD OF THE PREPARATION OF FIBRILLAR AND LAMELLAR POROUS MICROSTRUCTURES AND NANOSTRUCTURES BY MEANS OF CONTROLLED VACUUM FREEZE DRYING OF LIQUID NANOPARTICLES DISPERSIONS

| (51) International classification:F26B5/06,B82Y40/00,B82Y30/00 | | |
|---|-----------------------------------|--|
| (31) Priority Document No | :PV 2011540 | 1)VYSOKA Å KOLA B NSKA TECHNICAL |
| (32) Priority Date | :30/08/2011 | UNIVERSITY OF OSTRAVA CENTRUM |
| (33) Name of priority country | :Czech Republic | NANOTECHNOLOGI |
| (86) International Application No Filing Date | :PCT/CZ2012/000085 :29/08/2012 | Address of Applicant :17 listopadu 15/2172 708 33 Ostrava Poruba Czech Republic (72) Name of Inventor : |
| (87) International Publication No | :WO 2013/029576 | 1)DVORSK Richard |
| (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 of preparation of fibrillar and lamellar porous microstructures and nanostructures of various density based on controlled vacuum freeze drying of a liquid dispersion of nanoparticles. According to the required density and structure of a final product the particle concentration in the dispersion is adjusted from very low values for formation of fine predominantly fibrillar structures to very high values for formation of highly porous materials with high values of surface area in unit volume. The liquid dispersion of particles is rapidly freezed into solid state inside a tightly closed volume. In this form it is submitted to vacuum freeze drying with required rate of sublimation of molecules of a liquid dispersion medium until their total removal accompanied by the creation of fibrillar and/or lamellar porous microstructures and nanostructures with density proportional to the initial concentration of sublimation interface can be set with regard to the required properties of the final sublimate structure from vertically upwards to vertically downwards. The sublimation rate is adjusted by combination of vacuum depth and external heating of the sublimation interface of the frozen material.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM FOR ENERGY OPTIMIZATION IN A PLANT FOR PRODUCING DIRECT REDUCED METAL 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 | :C21B13/00 :A1310/2011 :13/09/2011 :Austria :PCT/EP2012/066662 :28/08/2012 :WO 2013/037634 :NA :NA :NA | (71)Name of Applicant : 1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant :Turmstrae 44 A 4031 Linz Austria (72)Name of Inventor : 1)MILLNER Robert 2)ROSENFELLNER Gerald 3)SPRENGER Harald |
|---|---|--|
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(57) Abstract :

The invention relates to a system for energy optimization in a plant for producing direct reduced metal ores (3) in particular direct reduced iron wherein the plant (3) comprises at least one reduction unit (12) a device for separating gas mixtures (7 7a 7b) having an associated compressing device (4 4a 4b) and a gas heating device (10) arranged upstream of the reduction unit (12). Furthermore part of the process gases (2 2a 2b) is fed by means of a feed line from at least one plant for producing pig iron (1 1a 1b) in particular a smelting reduction plant to the plant for producing direct reduced metal ores (3). In the system according to the invention a turbine (8 8a 8b) in particular an expansion turbine is fit between the device for separating gas mixtures (7 7a 7b) and the gas heating device (10) arranged upstream of the reduction unit (12) in such a way that a pressure drop between the device for separating gas mixtures (7 7a 7b) and the gas mixtures (7 7a 7b) and the reduction unit (12) is converted into forms of energy that can be used to operate additional components (4 4a 4b 15 15a 15b) of the plant for producing direct reduced metal ores (3) in particular electrical energy and/or mechanical energy. By means of the invention the energy consumption of the plant (3) is reduced and thus operating costs are lowered in a simple and advantageous manner because the pressure drop between the device for separating gas mixtures (7 7a 7b) and the reduction unit (12) is used economically due to the use of the turbine (8 8a 8b).

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : HEAT EXCHANGER

| (31) Priority Document No(32) Priority Date | h :F28F9/00,B21D39/02,B21D53/02 :2011180499 :22/08/2011 :Japan :PCT/JP2012/070621 :13/08/2012 | (71)Name of Applicant : 1)SANDEN CORPORATION Address of Applicant :20 Kotobuki cho Isesaki shi Gunma 3728502 Japan (72)Name of Inventor : 1)MIYAUCHI Fumiaki |
|--|--|--|
| No | :WO 2013/027623 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A heat exchanger comprising a support frame member (10) for reinforcement arranged on a peripheral edge of a core portion and a mounting bracket (20), a part of which is fixed to the support frame member and serving as a mounting member on a vehicle side. The support frame 10 member (10) is a lengthy member having a substantially Ushaped cross sectional shape and a groove portion (11) extended, a flange (22) is provided on one end side of the bracket (20) along a longitudinal direction (LD) in the groove portion from a bracket body (21), and an inclined 15 portion inclined in the longitudinal direction is provided on an upper surface of the flange, and the support frame member is fixed by crimping an edge portion (12) of the support frame member as if the flange (22) is wrapped from an upper side and the crimped and deformed edge portion 20 (12) forms an inclined surface (12a) following the inclined portion of the flange in the longitudinal direction.

No. of Pages : 24 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : PRODUCTS AND METHODS | | |
|--|---|---|
| (31) Priority Document No(32) Priority Date | :A23L1/30,A23L1/38,A61K8/99 :1115417.6 :06/09/2011 :U.K. | (71)Name of Applicant : 1)IP SCIENCE LIMITED Address of Applicant :2nd Floor The Platinum Building St Johns Innovation Park Cowley Road Cambridge CB5 ODS U.K. |
| (86) International Application N Filing Date | o:PCT/GB2012/052192 :06/09/2012 | (72)Name of Inventor : 1)PETYAEV Ivan |
| (87) International 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 invention relates to fungal cells and spores as well as extracts of either for use in particular in prevention or treatment of or or other infections inflammation inflammatory lysosomal acidic SOD or IgG or other immunoglobulin peroxidases or hydrogen peroxide induced or other forms of oxidative damage atherosclerosis heart disease stomach intestinal and liver inflammatory conditions and their complications promoting or stimulating regeneration or healing of wounds burns ulcers or other forms of damaged or aged tissues or in reducing elevated cholesterol and/or triglycerides levels In a preferred instance the fungal cells or spores are those used in the manufacture of fungal fermented cheeses or other food stuff or beverages particular fungal blue or white cheeses.

No. of Pages : 61 No. of Claims : 20

(21) Application No.11096/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :C08K3/36,C08L7/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10 2011 053 450.4 | 1)CONTINENTAL REIFEN DEUTSCHLAND GMBH |
| (32) Priority Date | :09/09/2011 | Address of Applicant : Vahrenwalder Strae 9 30165 Hannover |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/065032 | (72)Name of Inventor : |
| Filing Date | :01/08/2012 | 1)KRAMER Thomas |
| (87) International Publication No | :WO 2013/034368 | 2)RECKER Carla |
| (61) Patent of Addition to Application | :NA | 3)KREYE Marc |
| Number | | 4)TORBRGGE Thorsten |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : SULPHUR CROSSLINKABLE RUBBERIZING MIXTURE

(57) Abstract :

The invention relates to a sulphur crosslinkable rubberizing mixture for strengthening elements in motor vehicle pneumatic tyres comprising 70 to 100 phr (parts by weight based on 100 parts by weight of total rubbers in the mixture) of natural rubber up to 30 phr of at least one polybutadiene up to 15 phr of at least one carbon black 20 to 100 phr of at least one high dispersibility silica at least one silane coupling agent and a bonding system. The invention further relates to motor vehicle pneumatic tyres comprising the sulphur crosslinked rubberizing mixture. For improved resistance to cracking and growth of cracks with good adhesion and good mechanical and dynamic properties the high dispersibility silica has a CTAB number to ASTM D 3765 of more than 130 m/g.

No. of Pages : 15 No. of Claims : 9

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND APPARATUS FOR EXCHANGING DATA SIGNALS OVER A PLURALITY OF DOMAINS IN A HOME 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 | :H04B3/34,H04L12/28,H04W72/12 :11306167.5 :16/09/2011 :EPO :PCT/EP2012/066572 :27/08/2012 :WO 2013/037625 :NA :NA | (71)Name of Applicant : 1)ALCATEL LUCENT Address of Applicant :3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor : 1)GACANIN Haris |
|---|---|---|
| Number Filing Date | :NA :NA | |

(57) Abstract :

A method for receiving data signals transmitted over a plurality of domains in a network said apparatus comprising receiving a first data signal at a first physical interface connected to a first domain from among said plurality of domains; receiving a second data signal at a second physical interface connected to a second domain from among said plurality of domains; combining said first data signal and said second data signal to produce a combined signal; and extracting transmitted data from said combined signal; wherein said first data signal and said second data signal are instances of a common original data signal transmitted over said first domain and said second domain respectively and having undergone physical signal degradation associated with said first domain and said second domain respectively.

No. of Pages : 32 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SOL GEL D | ERIVED COMPOSITION | 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 | :C08G77/04,C08G77/60 :61/514465 :02/08/2011 :U.S.A. :PCT/US2012/049359 :02/08/2012 :WO 2013/019965 :NA :NA :NA :NA | (71)Name of Applicant : ABS MATERIALS INC. Address of Applicant :770 Spruce Street Wooster OH 44691 U.S.A. (72)Name of Inventor : EDMISTON Paul L. 2)SPOONAMORE Stephen R. |

(57) Abstract :

Sol gel derived materials obtained from at least one first precursor and at least one second precursor as well as sol gel derived compositions containing a plurality of alkylsiloxy substituents obtained from such sol gel derived materials. Sol gel derived materials are prepared from a reaction medium containing a mixture of a least one first alkoxysilane precursor and at least one second alkoxysilane precursor under acid or base sol gel conditions preferably base sol gel conditions. The alkoxysilane precursor mixture is formed in any suitable solvent such as tetrahydrofuran (THF).

No. of Pages : 19 No. of Claims : 28

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MODULAR ELECTRONICALLY AUTOMATED SYSTEM FOR SAFETY OF TRAFFIC ON THE URBAN AND EXTRA URBAN ROAD 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 (57) Abstract | :G08G1/005,G08G1/16,G08G1/0967 :TA2011A00008 :05/08/2011 :Italy :PCT/IT2012/000233 :27/07/2012 :WO 2013/021403 :NA :NA :NA | (71)Name of Applicant : 1)CAICO Giovanni Address of Applicant :Via Alessandro Volta n. 34 San Giorgio Jonico I 74027 Taranto Italy (72)Name of Inventor : 1)CAICO Giovanni |
|--|---|---|
|--|---|---|

(57) Abstract :

The invention relates to a modular system of active safety being able to work fully automatic made of electronically controlled devices usable in specific conditions for urban road networks and for extra urban road networks formed by the functional union of some fixed devices installed in various road areas some mobile devices installed on vehicles and some portable devices used by pedestrians and cyclists all of these devices being interconnected by radio frequency forming their own network or using a communication network that already exists. The system allows real time control of the movement speed of road vehicles by informing and warning of drivers operating the vehicles in accordance with: provisions of law with repetitive conditions special conditions: the incidence or the imminence of some weather phenomena the proximity of some emergency vehicles or special vehicles; the system allows real time identification of offenders and their immediate automated punishment through direct interventions applicable to vehicles.

No. of Pages : 32 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :G06F7/02 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/211031 | 1)NATIONAL STUDENT CLEARINGHOUSE |
| (32) Priority Date | :16/08/2011 | Address of Applicant :2300 Dulles Station Boulevard Suite |
| (33) Name of priority country | :U.S.A. | 300 Herndon VA 20171 U.S.A. |
| (86) International Application No | :PCT/US2012/051044 | (72)Name of Inventor : |
| Filing Date | :16/08/2012 | 1)SHAPIRO Douglas T. |
| (87) International Publication No | :WO 2013/025856 | 2)GILLUM Diana |
| (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 : EFFICIENT STUDENT RECORD MATCHING

(57) Abstract :

A system and method for efficiently and intelligently matching student enrollment records is disclosed. The method may be used for example to track student progress from secondary to postsecondary institutions and generate statistics about aggregate college enrollment rates to inform policy decisions. In exemplary embodiments the matching algorithm accounts for common variations in student names and geographical distances between secondary institutions and the student s current known address to generate higher confidence matches.

No. of Pages : 18 No. of Claims : 13

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MEANS FOR CONTROLLED SEALING OF ENDOVASCULAR 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 | :PCT/AU2012/001080 :10/09/2012 :WO 2013/033791 | (71)Name of Applicant : 1)ENDOLUMINAL SCIENCES PTY LTD Address of Applicant :Suite 145 National Innovation Centre Australian Technology Park 4 Cornwallis Street Eveleigh NSW 2015 Australia (72)Name of Inventor : 1)SOMMER KNUDSEN Jens 2)MITRA Ashish Sudhir 3)NG Martin Kean Chong 4)WONG Pak Man Victor 5)BOBILLIER Ben Colin |
|---|--|--|
| Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | I:NA :NA | |

(57) Abstract :

Expandable sealing means for endoluminal devices have been developed for controlled activation. The devices have the benefits of a low profile mechanism (for both self expanding and balloon expanding prosthesis) contained not open release of the material active conformation to the leak sites such that leakage areas are filled without disrupting the physical and functional integrity of the prosthesis and on demand controlled activation that may not be pressure activated.

No. of Pages : 83 No. of Claims : 39

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :F41H5/04 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10 2011 052 879.2 | 1)RELION protection systems AG |
| (32) Priority Date | :22/08/2011 | Address of Applicant : Tanne 55 CH 9405 Wienacht Tobel |
| (33) Name of priority country | :Germany | Switzerland |
| (86) International Application No | :PCT/IB2012/001627 | (72)Name of Inventor : |
| Filing Date | :22/08/2012 | 1)TSCHIERSCH Ronald |
| (87) International Publication No | :WO 2013/027114 | 2)PHILLIPS Roland |
| (61) Patent of Addition to Application | :NA | 3)MEYER Thorsten |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 | | 1 |

(54) Title of the invention : BALLISTIC MULTILAYER ARRANGEMENT

(57) Abstract :

The invention relates to a ballistic layer for a ballistic multilayer arrangement (1). The ballistic layer is formed by an absorption layer (2,2a,2b) that consists entirely or mostly of expanded glass (21). The invention also relates to a ballistic multilayer arrangement (1) with a contact face (A) and a rear face (B) at least one of the layers being formed by such an absorption layer (2,2a,2b) that consists entirely or mostly of expanded glass (21).

No. of Pages : 28 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H01H33/915,H01H33/82 | (71)Name of Applicant : |
|--|-----------------------|---|
| (31) Priority Document No | :2011193444 | 1)HITACHI LTD. |
| (32) Priority Date | :06/09/2011 | Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku |
| (33) Name of priority country | :Japan | Tokyo 1008280 Japan |
| (86) International Application No | :PCT/JP2012/069687 | (72)Name of Inventor : |
| Filing Date | :02/08/2012 | 1)TSUKUSHI Masanori |
| (87) International Publication No | :WO 2013/035463 | |
| (61) Patent of Addition to Application | -NIA | |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : PUFFER TYPE GAS CIRCUIT BREAKER

(57) Abstract :

To provide a puffer type gas circuit breaker for protecting an electrical generator circuit said circuit breaker being capable of interrupting not only a large current associated with an accident but also a zero miss current which is difficult to interrupt with an ordinary circuit breaker by ensuring a long interruptible time equivalent to approximately four cycles. [Solution] This puffer type gas circuit breaker comprises: a stationary side main contact (2) a movable side main contact (3) a stationary side arcing contact (4) and a movable side arcing contact (5) which are provided on the same axis inside a vessel (1) filled with an insulating gas; a puffer cylinder (6); a puffer shaft (7) having a puffer chamber side exhaust port (7a) and an actuation rod side exhaust port (7b); a pressure activated valve (15) for closing the actuation rod side exhaust port (7b); a puffer piston (9); a flow control unit (11) having an aperture section (11a); and an insulating nozzle (12). When the interruption operation is completed a predetermined space is formed inside a puffer chamber (10) the puffer chamber side exhaust port (7a) and the aperture section (11a) are connected together and the actuation rod side exhaust port (7b) is closed by the pressure activated valve (15).

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

(21) Application No.1419/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A45C13/18 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/245319 | 1)TRAVEL CADDY INC. D/B/A TRAVELON |
| (32) Priority Date | :26/09/2011 | Address of Applicant :700 Touhy Avenue Elk Grove Village |
| (33) Name of priority country | :U.S.A. | Illinois 60007 U.S.A. |
| (86) International Application No | :PCT/US2012/057298 | (72)Name of Inventor : |
| Filing Date | :26/09/2012 | 1)HAI Du |
| (87) International Publication No | :WO 2013/049176 | 2)GODSHAW Donald E. |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1174 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (55) 41 | | 1 |

(54) Title of the invention : CUT PROOF ANTI THEFT BAG CONSTRUCTION

(57) Abstract :

In one form a security handbag is provided that includes an interior security panel assembly with a matrix of wires secured between a pair of material layers. The interior security panel assembly can be positioned intermediate the bag outside wall and a lining of the bag. A strap with security cable and a carbineer attachment device can be attached to the handbag. Methods for forming such security panel assemblies are also provided.

No. of Pages : 48 No. of Claims : 23

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITION FOR POLYURETHANE FOAM PREPARATION FOR POLYURETHANE FOAM POLYMER POLYOL PREPARATION FOR POLYURETHANE FOAM METHODS FOR PRODUCING THESE AND POLYURETHANE FOAM

| | n:C08L71/02,C08G18/48,C08K5/09 | |
|--------------------------------|--------------------------------|--|
| (31) Priority Document No | :2011163130 | 1)MITSUI CHEMICALS INC. |
| (32) Priority Date | :26/07/2011 | Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato |
| (33) Name of priority country | :Japan | ku Tokyo 1057117 Japan |
| (86) International Application | :PCT/JP2012/068587 | (72)Name of Inventor : |
| No | | 1)MARUOKA Yusuke |
| Filing Date | :23/07/2012 | 2)MIYATA Atsushi |
| (87) International Publication | :WO 2013/015242 | 3)OKUBO Kazuhiko |
| No | :WO 2013/015242 | 4)IZUKAWA Tsukuru |
| (61) Patent of Addition to | | 5)HIRAIDE Toru |
| Application Number | :NA | 6)MATSUMOTO Shinsuke |
| Filing Date | :NA | |
| (62) Divisional to Application | -NT 4 | |
| Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a preparation for a polyurethane foam and a polymer polyol preparation for a polyurethane foam, each of which exhibits high coloration and discoloration inhibition 5 properties over a long period of time when stored, and to a composition for a polyurethane foam, which is excellent in storage stability and is preferable as a resin premix. The composition for a polyurethane foam of the present invention is characterized by comprising (i) at least one polyol selected from a polyoxyalkylene polyol and a polymer 10 polyol wherein polymer fine particles obtained by polymerizing a compound having an unsaturated bond are dispersed in the polyoxyalkylene polyol, (ii) a compound having a P=N bond, (iii) an antioxidant having a hydroxyphenyl group, (iv) at least one acid selected from the group consisting of an acyclic aliphatic 15 monocarboxylic acid of 2 to 25 carbon atoms, a hydroxycarboxylic acid of 2 to 25 carbon atoms, a polycarboxylic acid of 20 to 60 carbon atoms, a specific aromatic monocarboxylic acid, a sulfonic acid and an acid having a sulfuric acid ester group, or its salt, (v) a catalyst for polyurethane foam production and (vi) a blowing agent.

No. of Pages : 118 No. of Claims : 17

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONVERSION OF GASEOUS CARBON DIOXIDE INTO AQUEOUS ALKALINE AND/OR ALKALINE EARTH BICARBONATE SOLUTIONS

| (51) International classification | , | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/136153 | 1)SILICA DE PANAMA S.A. |
| (32) Priority Date | :25/07/2011 | Address of Applicant :Centro Banaven (Cubo Negro) Torre A |
| (33) Name of priority country | :U.S.A. | piso 2 Ofic A 22 Avenida La Estancia Urbanizacion Chuao |
| (86) International Application No | :PCT/GB2012/051772 | Caracas 1061 Venezuela |
| Filing Date | :24/07/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/014441 | 1)LUJANO Juan |
| (61) Patent of Addition to Application | :NA | 2)REVETE Javier |
| Number | :NA | 3)VALENCIA Norma |
| Filing Date | .INA | 4)RIVAS Louis |
| (62) Divisional to Application Number | :NA | 5)SOCORRO Nelson |
| Filing Date | :NA | |

(57) Abstract :

A material with cationic exchanger properties is introduced into aqueous media, where the equilibriums of carbon dioxide dissolution take place. A cationic exchanger material x/nMw E,- is used to capture hydronium cations (H 0 +) according to: x/nM+ E - (s) + x H30 + (aq) = xH 0 + E (s) + x/nM (aq) where x stands for molar amount of the anionic centers of charge of the cationic exchanger material E balanced by x/n molar amount of metal M, n stands for the metal valence, and M is selected from the group consisting of 1A and/or 2A of the periodic table of elements. This capture of the hydronium cations, H 0 +, shifts certain reaction equilibriums to the right, according to Le Chateliers principle, producing more bicarbonate, HC0, and/or carbonate, C0 =, than would otherwise be obtained.

No. of Pages : 47 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61F9/007 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :2011903103 | 1)MORLET Nigel |
| (32) Priority Date | :03/08/2011 | Address of Applicant :5/592 Stirling Highway Mosman Park |
| (33) Name of priority country | :Australia | Western Australia 6012 Australia |
| (86) International Application No | :PCT/AU2012/000915 | (72)Name of Inventor : |
| Filing Date | :02/08/2012 | 1)MORLET Nigel |
| (87) International Publication No | :WO 2013/016772 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | l de la constante de la consta |

(54) Title of the invention : GROOVED NEEDLE TIP FOR SURGICAL INSTRUMENT

(57) Abstract :

A needle 10 for a surgical instrument for removal of diseased or unwanted 5 tissue is described. The needle 10 has a hollow elongate needle shaft 12 with a needle tip 14 at a distal end for cutting tissue. The needle tip 14 is flared in at least one plane and has a plurality of grooves 16 milled into a surface of the tip in an asymmetric arrangement around the circumference of the needle tip 14.

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

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ARTIFICIAL VALVED CONDUITS FOR CARDIAC RECONSTRUCTIVE PROCEDURES AND METHODS FOR THEIR PRODUCTION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61F2/24 :61/574254 :29/07/2011 :U.S.A. :PCT/US2012/048902 :30/07/2012 :WO 2013/019756 :NA :NA :NA | (71)Name of Applicant : 1)CARNEGIE MELLON UNIVERSITY Address of Applicant :5000 Forbes Avenue Pittsburgh Pennsylvania 15213 U.S.A. (72)Name of Inventor : 1)YOSHIDA Masahiro 2)BERNSTEIN C. Douglas 3)DUR Onur 4)PEKKAN Kerem |
|---|--|---|
|---|--|---|

(57) Abstract :

Artificial heart valve structures and methods of their fabrication are disclosed. The heart valve structures may be fabricated from a biocompatible polymer and include one or more heart valve leaflet structures incorporated within a conduit. The valve structures may incorporate one or more conduit sinuses as well as a gap between the lower margin of the valve leaflets and the interior of the conduit. In addition the valve structures may include one or more valve sinuses created in a space between the valve leaflets and the conduit inner surface. Computational fluid dynamics and mechanical modeling may be used to design the valve leaflets with optimal characteristics. A heart valve structure may also incorporate a biodegradable component to which cells may adhere The incorporated cells may arise from patient cells migrating to the biodegradable component or the component may be pre seeded with cells prior to implantation in a patient.

No. of Pages : 69 No. of Claims : 36

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : AUTONOMOUS FLUID CONTROL DEVICE HAVING A RECIPROCATING VALVE FOR DOWNHOLE FLUID SELECTION

| :E21B34/08,E21B43/12 :NA :NA :NA :PCT/US2011/058577 :31/10/2011 :WO 2013/066291 :NA :NA :NA | (71)Name of Applicant : 1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant :10200 Bellaire Blvd. Houston TX 77072 U.S.A. (72)Name of Inventor : 1)GRECI Stephen |
|--|--|
| :NA :NA | |
| | :NA :NA :NA :PCT/US2011/058577 :31/10/2011 :WO 2013/066291 :NA :NA |

(57) Abstract :

An apparatus and method autonomously controls fluid flow in a subterranean well as the fluid changes in a characteristic such as viscosity over time. An autonomous reciprocating member has a fluid flow passageway there through and a primary outlet and at least one secondary outlet. A flow restrictor such as a viscosity dependent choke or screen is positioned to restrict fluid flow through the primary outlet. A vortex chamber is positioned adjacent the reciprocating member. The reciprocating member moves between a first position where fluid flow is directed primarily through the primary outlet of the reciprocating member and into the primary inlet of the vortex assembly and a second position where fluid flow is directed primarily through the vortex assembly. The movement of the reciprocating member alters the fluid flow pattern in the adjacent vortex chamber.

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

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : PROTECTIO | N DEVICE FOR VEHIC | LE |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F41H7/04,F41H5/013 :11508959 :29/09/2011 :Sweden :PCT/SE2012/051025 :27/09/2012 :WO 2013/048321 :NA :NA :NA :NA | (71)Name of Applicant : 1)BAE SYSTEMS H,,GGLUNDS AKTIEBOLAG Address of Applicant :S 891 82 –rnskldsvik Sweden (72)Name of Inventor : 1)M–LLER Jan |

(57) Abstract :

The present invention relates to a protection device for a vehicle (1) intended for military application comprising a wall configuration with ballistic protection properties arranged to constitute a delimitation of a protection zone (30 30; 130 130) of the vehicle wherein said wall configuration (2; 40 22 24 26 28; 140 122 124 126 128; 240) is movably arranged in the vehicle for adaptation according to needs of the configuration of said protection zone (30 30; 130 130). The invention also relates to a vehicle.

No. of Pages : 21 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :25/02/2014

(54) Title of the invention : FREQUENCY DIVISION

(43) Publication Date : 30/01/2015

| (51) International classification | :H03K23/66,H03K23/68 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :11176724.0 | 1)ST ERICSSON SA |
| (32) Priority Date | :05/08/2011 | Address of Applicant : Chemin du Champ des Filles 39 CH |
| (33) Name of priority country | :EPO | 1228 Plan les Ouates Switzerland |
| (86) International Application No | :PCT/EP2012/065204 | (72)Name of Inventor : |
| Filing Date | :02/08/2012 | 1)MIKKOLA Niko |
| (87) International Publication No | :WO 2013/020900 | 2)HELI– Petri |
| (61) Patent of Addition to Application | :NA | 3)V,,,,NEN Paavo |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| 7 | | |

(57) Abstract :

A frequency divider (100) comprises a signal generation stage (110) arranged to employ a clock at a clock frequency to provide a first reference signal and a second reference signal the second reference signal corresponding to the first reference signal delayed by half a period of the clock signal. A synchronisation stage (120) is arranged to generate an output signal having an output frequency divided from the clock frequency by switching between the first reference signal and the second reference signal once per cycle of the output signal.

No. of Pages : 78 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : GATHERING TRANSACTION DATA ASSOCIATED WITH LOCALLY STORED DATA FILES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :03/08/2011 :WO 2013/016868 :NA :NA :NA | (71)Name of Applicant : 1)AMAZON TECHNOLOGIES INC. Address of Applicant :P.O. Box 8102 Reno Nevada 89507 U.S.A. (72)Name of Inventor : 1)QIAN Dawei 2)LIANG Xiangdong 3)CHANG Chia hao 4)LAI Jin |
|---|---|---|
| Filing Date | :NA | |

(57) Abstract :

Systems and methods are provided for enabling local storing of one or more portions of a data file and recording changes to contents of the data file. In some embodiments a first data file may be sent to a client system along with a script to manage the first data file. Changes to the data file may be stored locally and may then be sent to a remote server upon network reconnection.

No. of Pages : 22 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :B60C11/12 :NA :NA :NA :PCT/US2011/050042 :31/08/2011 :WO 2013/032468 | MICHELIN (72)Name of Inventor : |
|---|---|--|
| (33) Name of priority country | | Granges Paccot Switzerland |
| | | · · |
| | | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)PIFFARD Oliver |
| Filing Date | :NA | 2)SAINTIGNY Xavier 3)STUBBLEFIELD Raymond |
| (62) Divisional to Application Number | :NA | 4)GUICHON Cyril |
| Filing Date | :NA | |

(54) Title of the invention : TIRE TREAD WITH IMPROVED SNOW/DRY TRACTION

(57) Abstract :

Tire treads, having one or more repeating pitches, each repeating pitch comprising individual pitches having tread blocks with sipes formed therein and each pitch having a pitch length of between 15 mm and 35 mm. Such treads may also have a weighted, average sipe density Dw of between 10 mm 1 and 37 mm 1, which is determined through the disclosed Eq. 2 below. The tread blocks are also formed from a rubber composition based upon a diene elastomer, a plasticizing system and a cross-linking sys - tern, wherein the rubber composition has a glass transition temperature of between -40° C and -15° C and a shear modulus G meas - ured at 60 ° C of between 0,5 MPa and 1,1 MPa.

No. of Pages : 30 No. of Claims : 20

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : USE OF THE PACAP AS A MOLECULAR ADJUVANT FOR VACCINES

| (51) Internationalclassification(31) Priority Document No | :A61K39/39,A61K39/00,A61K39/002 :20110167 | (71)Name of Applicant : 1)CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA |
|---|--|--|
| (32) Priority Date | :26/08/2011 | Address of Applicant : Avenida 31 entre 158 y 190 Playa La |
| (33) Name of priority country | :Cuba | Habana 11600 Cuba (72) Name of Inventor : |
| (86) International Application No Filing Date | :PCT/CU2012/000004 :24/08/2012 | 1)LUGO GONZ LEZ Juana Mara 2)CARPIO GONZ LEZ Yamila 3)ESTRADA GARC A Mario Pablo |
| (87) International Publication No | :WO 2013/029570 | |
| (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 the pituitary adenylate cyclase activating polypeptide (PACAP) as a molecular adjuvant for vaccines. Along with other applications said vaccines can be used for protection against infectious agents such as viruses bacteria and ectoparasites that affect mammals birds and aquatic organisms. The PACAP combined with a specific antigen exhibits the effectiveness thereof as an adjuvant as it increases the immunological response of the host against said antigen. This type of response can be observed when the vaccine compositions or combinations comprising PACAP are administered orally by an injection or by dipping tanks in the case of aquatic organisms.

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

(21) Application No.1384/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| :B01D1/26 | (71)Name of Applicant : |
|--------------------|---|
| :61/512708 | 1)GREENFIELD SPECIALTY ALCOHOLS INC. |
| :28/07/2011 | Address of Applicant :20 Toronto Street Suite 1400 Toront |
| :U.S.A. | Ontario M5C 2B8 Canada |
| :PCT/CA2012/050495 | (72)Name of Inventor : |
| :20/07/2012 | 1)LEHOUX Richard Romeo |
| :WO 2013/013317 | 2)BRADT Christopher Bruce |
| ٠NIA | |
| | |
| INA | |
| :NA | |
| :NA | |
| | :61/512708 :28/07/2011 :U.S.A. :PCT/CA2012/050495 :20/07/2012 :WO 2013/013317 :NA :NA :NA |

(54) Title of the invention : SOLID AND LIQUID SEPARATION PROCESS

(57) Abstract :

A process for separation of solid and liquid components in a distillation whole stillage utilizing airless spray drying is disclosed which is more efficient and economical than conventional processes. In the process distillation whole stillage resulting from distillation of fermented biomass is first subjected to an evaporation step for separating the whole stillage into a condensate and a concentrate including water dissolved solids and suspended solids. The concentrate is then subjected to airless steam spray drying for converting the concentrate into dried solids steam and vapors. All steam and vapors resulting from the airless steam spray drying step are then redirected as energy source to a processing step upstream of the airless spray drying step. At least some of the steam generated in the airless spray drying step is airless steam.

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

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : INTEGRATION OF SOLVENT DEASPHALTING WITH RESIN HYDROPROCESSING

| (62) Divisional to Application Number :NA | 11 | :61/513447 :29/07/2011 :U.S.A. :PCT/US2012/048752 :29/07/2012 :WO 2013/019687 :NA :NA :NA | (71)Name of Applicant : 1)FOSTER WHEELER USA CORPORATION Address of Applicant :585 North Dairy Ashford Road Housto TX 77079 U.S.A. (72)Name of Inventor : 1)GILLIS Daniel B. 2)CLARKE Robert 3)WOODSON Joseph |
|--|----|---|--|
| (62) Divisional to Application Number :NA Filing Date :NA | 11 | | |

(57) Abstract :

The invention is directed to a process that combines the solvent deasphalting with resin hydrotreatment so as to reduce the costs associated with performing each of the steps separately. The integrated process of the invention permits higher product yields coupled with lower energy and transportation costs.

No. of Pages : 23 No. of Claims : 21

(21) Application No.1435/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : ROTATING E | NTRY SYSTEM WITH | FRONT END OR FRONT AND REAR DRIVE 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 | :B21B43/00 :61/538340 :23/09/2011 :U.S.A. :PCT/US2012/055351 :14/09/2012 :WO 2013/043483 :NA :NA :NA :NA | (71)Name of Applicant : 1)SIEMENS INDUSTRY INC. Address of Applicant :3333 Old Milton Parkway Alpharetta GA 30005 4437 U.S.A. (72)Name of Inventor : 1)ELDREDGE Michael J. 2)SHEN William Xiaolan 3)ZHANG Jianping |

(57) Abstract :

A rolling mill rotating entry system (RES) with at least one front end driven drum 20a 20b that indexes alignment of the RES guide path and drum with the bar stock transfer guide path. The front end drive system 40 is offset from the bar stock transfer path so that the bar stock has sufficient clearance to enter the guide path. The front end drive system 40 facilitates desired indexed alignment of the RES guide path and the bar stock transfer path without the need for front end braking or damping systems that are customarily used with rear driven drums in known RES systems. Other RES embodiments include a rear drive system that drives the drum in tandem with the front drive system.

No. of Pages : 27 No. of Claims : 20

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ROLLING MILL COIL FORMING LAYING HEAD WITH PATH OR PIPE HAVING LATERALLY JOINED SEGMENTED CONSTRUCTION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :B21C47/14 :61/539069 :26/09/2011 :U.S.A. :PCT/US2012/055714 :17/09/2012 :WO 2013/048800 | (71)Name of Applicant : 1)SIEMENS INDUSTRY INC. Address of Applicant :3333 Old Milton Parkway Alpharetta Georgia 30005 4437 U.S.A. (72)Name of Inventor : 1)FIORUCCI Keith |
|---|--|---|
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A rolling mill coil forming apparatus (30) includes a rotating quill (50) that supports an elongated path hollow structure (60) such as a laying head pipe for receiving elongated material after it has been rolled. The elongated structure is constructed of combinations of ferrous and non ferrous dissimilar materials. Elongated path hollow structures are formed from adjoining abutting segments and can be constructed in any three dimensional compound curve shape that can replicate the smooth continuous curve elongated material transport path of known laying pipes or any other desired path. A pathway structure segment or plurality of segments may be constructed of a homogeneous material or alternatively different materials may be spliced or otherwise joined to form the composite complete elongated path hollow structure. The adjoining segment portions may be nested within or circumscribe another pathway structure layer.

No. of Pages : 38 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SOLAR RAD | DIATION RECEIVER | |
|---|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F24J2/07,F24J2/24 :P201131334 :01/08/2011 :Spain :PCT/ES2012/070583 :30/07/2012 :WO 2013/017721 :NA :NA :NA :NA | (71)Name of Applicant : 1)GALDN CABRERA Carlos Address of Applicant :La Mas³ 89 E 28034 MIRASIERRA (Madrid) Spain 2)NU'EZ GONZALEZ Carlos (72)Name of Inventor : 1)GALDN CABRERA Carlos 2)NU'EZ GONZALEZ Carlos |

(57) Abstract :

The invention relates to a solar radiation (1) panel (2) that has inlet and outlet collectors (9) and a series of conduits (8) that run from the inlet collector (9) to the outlet collector (9). A working fluid that is heated by solar radiation (1) flows inside the conduits (8). The panel (2) is a single piece and includes an upper layer (5) at least one intermediate layer (6) and a lower layer (7). The upper layer (5) receives the solar radiation (1). The at least one intermediate layer (6) is located under the upper layer (5) and contains the conduits (8) through which the working fluid flows. The lower layer (7) is located under the intermediate layer (6) and the working fluid inlet and outlet collectors (9) are coupled in said lower layer (7). The working fluid that is heated in the panel (2) subsequently proceeds to a combustion engine (3) that produces electricity by means of an alternator (4).

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

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MECHANICAL SYSTEM COMPRISING A DEVICE FOR CONNECTION BETWEEN A WEARING PART AND THE SUPPORT THEREOF HEAVY CONSTRUCTION MACHINE BUCKET AND METHOD FOR IMPLEMENTING SAID 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 | :E02F9/28 :1157733 :01/09/2011 :France :PCT/EP2012/066961 :31/08/2012 :WO 2013/030336 :NA :NA | (71)Name of Applicant : 1)SAFE METAL Address of Applicant :2 place de Francfort F 69003 Lyon France (72)Name of Inventor : 1)MARCHAND Fabrice |
|---|---|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a mechanical system (1) comprising a support (10), a tooth (20) and a device (30) for interconnecting said two components. The device (30) comprises a key (50), a nut (60) and an elastic sheath (40) provided with a wall that is adjustable by deformation in a housing (14) of the support (10), by screwing between the key (50) and the nut (60), between an insertion configuration and a locking configuration. The device (30) also comprises a support ring (70) inserted between the key (50) and an opening (24) made in the tooth (20). In the insertion configuration of the device (30), the support ring (70) is adjusted in the opening (24), while in the locking configuration of the device (30), the support ring (70) exerts retaining forces on the tooth (20). The invention also relates to a heavy construction machine bucket (G) comprising such a system (1), and to a method for implementing such a system (1).

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

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ESTRA-1,3,5(10), 16-TETRAENE-3-CARBOXAMIDE DERIVATIVES, PROCESS FOR PREPARATION THEREOF, PHARMACEUTICAL PREPARATIONS COMPRISING THEM, AND USE THEREOF FOR PRODUCTION OF MEDICAMENTS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :C07J43/00,A61K31/58,A61P5/24 :102011083725.6 :29/09/2011 :Germany | (71)Name of Applicant : 1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Str. 10 40789 Monheim Germany |
|--|---|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/068803 :24/09/2012 :WO 2013/045407 | 2)BAYER PHARMA AKTIENGESELLSCHAFT (72)Name of Inventor : 1)BOTHE Ulrich 2)BARAK Naomi 3)BUSEMANN Matthias |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :NA :NA :NA | 4)FISCHER Oliver Martin 5)ROTGERI Andrea 6)GASHAW Isabella 7)HARTUNG Ingo |
| Number Filing Date | :NA | 8)MARQUARDT Tobias |

(57) Abstract :

The invention relates to AKR1C3 inhibitors and to processes for their preparation, to their use for the treatment and/or prophylaxis of diseases and also to their use for preparing medicaments for the treatment and/or prophylaxis of diseases, in particular bleeding disorders and endometriosis.

No. of Pages : 79 No. of Claims : 9

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : THIN COLD ROLLED STEEL PLATE HAVING HIGH STRENGTH AND HIGH FORMABILITY AND PREPARATION 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 | :C22C38/00,C21D8/02,C21D9/46 :NA :NA :NA :PCT/KR2011/006866 :16/09/2011 :WO 2013/039272 :NA :NA | (71)Name of Applicant : POSCO Address of Applicant :1 Koedong dong Nam gu Pohang si Kyungsangbook do 790 300 Republic of Korea (72)Name of Inventor : LEE Byoung Ho YOON Jeong Bong KIM Jeong Cheol KIM Sung Hwan |
|---|---|---|
| | :NA :NA | |

(57) Abstract :

The present invention relates to a thin cold rolled steel plate used in home appliances and the like and a preparation method thereof. The present invention relates to an thin cold rolled steel plate with high strength and high formability and a preparation method thereof. The present invention relates to an thin cold rolled steel plate with high strength and high formability comprising 0.15 0.25 wt% of carbon (C) 1.5 2.5 wt% of manganese (Mn) 0.1 1.0 wt% of silicon (Si) 0.01 0.05 wt% of titanium (Ti) 5 30 ppm of boron (B) and a balance of Fe and other impurities wherein the tissue comprises 70 100 vol% of bainite and 0 30 vol% of ferrite and a preparation method thereof. The thin steel plate provided by the present invention has high strength and high formability and thus can be effectively used in thin cold rolled products and the like having high strength requiring high strength of 300 HV or higher on the basis of HV 500g in addition to parts supporting the strength of a chassis such as a notebook an LCD monitor an LCD PMP or LED TV and the like.

No. of Pages : 31 No. of Claims : 10

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR OPERATING A HEATING APPARATUS OF A GAS SENSOR METHOD

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | ¹ :PCT/EP2012/064689 :26/07/2012 | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart (72)Name of Inventor : 1)KIRSCHNER Manfred 2)HAGNER Christoph |
|--|--|--|
| (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 a device (1) for operating a heating apparatus (2) of a gas sensor (3), in particular a lambda sensor (4), of a motor vehicle, having at least one power output stage (5, 6) which makes available an operating current and is/can be operatively connected to the heating apparatus (2). In this context there is Provision that at least two power output stages which are connected in parallel with one another are provided, wherein a first of the power output stages (5) is switched off when its operating o current reaches a predefinable current value, and a second of the power output stages (6) limits its operating current to a predefinable maximum value. In addition, the invention relates to a method.

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

(19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :H05B37/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/502380 | 1)LEE Chong Uk |
| (32) Priority Date | :29/06/2011 | Address of Applicant :11454 Via Santa Brisa San Diego |
| (33) Name of priority country | :U.S.A. | California 92131 U.S.A. |
| (86) International Application No | :PCT/US2012/044171 | (72)Name of Inventor : |
| Filing Date | :26/06/2012 | 1)LEE Chong Uk |
| (87) International Publication No | :WO 2013/003332 | |
| (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 : LED DRIVING SYSTEM AND METHOD FOR VARIABLE VOLTAGE INPUT

(57) Abstract :

A plurality of light emitting diodes (LEDs) is driven based on the voltage and current requirements of the LEDs at o any given time. The driving of the LEDs is adapted to the input voltage provided. A series of switches (e.g. MOSFETS) is used to selectively illuminate the LEDs according to the input voltage and current, with more LEDs being lit as the input voltage or current o increases. In one configuration, the switches are driven to provide a light dimming function. The LEDs can be controlled remotely using, e.g. an X10 communication protocol. A direct current implementation is also provided. In an alternate embodiment, the LEDs are used in photo diode mode for communication with a remote controller or other light bulbs.

No. of Pages : 31 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :C08G 18/32 (71)Name of Applicant : 1)PPG INDUSTRIES OHIO, INC. (31) Priority Document No :11/303.671 (32) Priority Date Address of Applicant :3800 WEST 143RD STEET, :16/12/2005 (33) Name of priority country CLEVELAND, OHIO 44111, USA U.S.A. :U.S.A. (86) International Application No :PCT/US2006/046634 (72)Name of Inventor : Filing Date $\cdot 06/12/2006$ 1)BOJKOVA, NINA, V. (87) International Publication No :WO 2007/078549 2)ROBINSON, DARYL, J. (61) Patent of Addition to Application 3)RUKAVINA, THOMAS, G. :NA Number :NA Filing Date (62) Divisional to Application Number :4578/DELNP/2008 Filed on :28/05/2008

(54) Title of the invention : POLYURETHANES, POLYURETHANE(UREAS) SULFUR-CONTAINING POLYURETHANES

AND SULFUR-CONTAINING POLYURETHANE(UREAS) AND METHODS OF PREPARATION

(57) Abstract :

The present invention relates to polyurethanes, polyurcthane(urea) sulfur-containing polyurethanes, sulfur-containing polyurethanedirea) and methods for their preparation. Polyurethanes of the present invention can be prepared by combining polvisocyanate- trifunctional or higher-functional polyol having molecular weight of less than or equal to 200 grams/mole; and diol having molecular weight of less than or equal to 200 grams/mole. Polyurethane(urea) of the present invention can be prepared by combining polyisocyanate; trifunctional or higher-functional polyol diol and diamine. Sulfurontaining polyurethanes of the present invention can be prepared by combining polyisocyanate and/or polyisothiocyanate; trifunctional or higher-functional polyol having molecular weight of less than or equal to 200 grams/mole, and/or trifunctional or higher-functional polythiol having molecular weight of less than or equal to 600 grams/mole; and diol having molecular weight of less than or equal to 200 grams/mole and/or dithiol having molecular weight of less than or equal to 600 grams/mole. Sulfur-containing polyurethane(urea) of the present invention : can be prepared by combining (a) polyisocyanate and/or polyisothiocyanate; (b) trifunctional or higher-functional (c) polyol and/or i trifunctional or higher-functional polythiol and diol and/or dithiol and/or dithiol oligomer and (d) diamine wherein at least one of 1 (a), (b), (c) and (d) is sulfur-containing.

No. of Pages : 72 No. of Claims : 3

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUSES AND METHODS FOR LARGE SCALE PRODUCTION OF HYBRID FIBERS CONTAINING CARBON NANOSTRUCTURES AND RELATED 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 (62) Divisional to Application Number | :05/07/2012 :WO 2013/043247 :NA :NA :NA | (71)Name of Applicant : 1)APPLIED NANOSTRUCTURED SOLUTIONS LLC Address of Applicant :2323 Eastern Boulevard Baltimore MD 21220 U.S.A. (72)Name of Inventor : 1)MALECKI Harry C. 2)DAHNE Jason L. 3)LOEBACH James P. 4)GAIGLER Randy L. 5)LEDFORD Jordan T. |
|--|---|--|
| Filing Date | :NA | |

(57) Abstract :

An apparatus for growing carbon nanostructures (CNSs) on a substrate can include at least two CNS growth zones with at least one intermediate zone disposed therebetween and a substrate inlet before the CNS growth zones sized to allow a spoolable length substrate to pass therethrough.

No. of Pages : 64 No. of Claims : 42

(22) Date of filing of Application :24/02/2014

(54) Title of the invention : FUSED HETEROCYCLIC DERIVATIVE AND PHARMACEUTICAL USE THEREOF

| (31) Priority Document :2011183151 39987 No :24/08/2011 (72)N (32) Priority Date :24/08/2011 (72)N (33) Name of priority :Japan 1)SI 2)O 2)O 2)O | 1)KISSEI PHARMACEUTICAL CO. LTD. Address of Applicant :19 48 Yoshino Matsumoto shi Nagano 98710 Japan 2)Name of Inventor : 1)SHIMIZU Kazuo 2)ONDA Yusuke 3)IIZUKA Masato |
|--|---|
|--|---|

(57) Abstract :

The present invention provides compounds useful as agents for the prevention or treatment of a disease associated with abnormal serum uric acid level and the like. 5 The present invention relates to fused heterocyclic derivatives represented by the following formula (I) having xanthine oxidase inhibitory activities and useful as agents for the prevention or treatment of a disease associated with abnormality of serum uric acid level, or prodrugs thereof, or pharmaceutically acceptable salts thereof In the formula (I), ring U represents Ce-io aryl or the like; R independently 10 represents a hydrogen atom, a hydroxy group, Ci-e alkyl or the like; m represents an integral number from 1 to 2; ring Q represents 5-membered heteroaryl; n represents an integral number from 1 to 3; R independently represents a hydrogen atom, a halogen atom, Ci-e alkyl or the like.

No. of Pages : 40 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMBINE HARVESTER

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A01D41/12,A01D69/03,A01D69/06 :2011169393 :02/08/2011 :Japan :PCT/JP2012/069139 :27/07/2012 :WO 2013/018696 :NA :NA :NA | (71)Name of Applicant : 1)YANMAR CO.LTD. Address of Applicant :1 9TsurunochoKita kuOsaka shi Osaka 5308311 Japan (72)Name of Inventor : 1)MORIKAWA Yutaka 2)MIZUHATA Tatsuya 3)KUBOZOE Hisashi 4)KISHI Toru 5)HAYASHI Junji |
|---|---|---|
|---|---|---|

(57) Abstract :

The present invention addresses the issue of providing a combine harvester in which the centre of gravity of the m a chine body can b e set towards the centre in the left-right width direction of a running machine body (1) by bringing an engine (7) close to a threshing apparatus (9), whilst facilitating maintenance operations of a running hydraulic pump (65). A combine harvester which is provided with a reaping apparatus (3), the threshing apparatus (9) comprising a threshing trunk (21), the running machine body (1) comprising a running part (2), and a hydraulic gear apparatus (66) comprising a running hydraulic pump (65) and a running hydraulic motor (69), and an engine (7) is mounted on the running machine body (1) and the output of the engine (7) is transmitted to the running part (2) via the hydraulic gear apparatus (66), wherein the engine (7) is mounted on the upper surface of the running machine body (1) on the threshing apparatus (9) side, and the running hydraulic pump (65) is positioned on the machine outer- side surface of the engine (7) opposite the surface facing the threshing apparatus (9).

No. of Pages : 52 No. of Claims : 5

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MULTI-SYSTEM BEVERAGE MACHINE MULTIPLE CONNECTIONS

(51) International classification :A47J31/44,A47J31/52,A47J31/36 (71)Name of Applicant : (31) Priority Document No :11181675.7 1)NESTEC S.A. (32) Priority Date :16/09/2011 Address of Applicant : Av. Nestl 55 CH 1800 Vevey (33) Name of priority country :EPO Switzerland (86) International Application (72)Name of Inventor : :PCT/EP2012/067748 No 1)YOAKIM Alfred :12/09/2012 Filing Date 2)AIT BOUZIAD Youcef **3)PERENTES Alexandre** (87) International Publication :WO 2013/037781 No **4)PHAN Minh Ouan** (61) Patent of Addition to 5)AGON Fabien Ludovic :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A beverage preparation machine (1) comprises: a base (10) having a fluid circuit for conditioning and delivering a fluid via a base outlet (11) and a base data interface (12,13); and a removable module (20) having a module inlet (21) and a module data interface (22,23) disconnectably connectable to the base outlet and the base data interface respectively. The data base interface (12,13) and the module data interface (22,23) are mechanically connectable and disconnectable along a direction (2) of the connection and disconnection of the base outlet (11) and the module inlet (21).

No. of Pages : 37 No. of Claims : 15

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PRINCIPLES AND SOFTWARE APPLICATION TO ENSURE COMPLIANCE OF MANUFACTURED NUTRITIONAL FOOD PRODUCTS TO THEIR SPECIFICATIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :26/09/2012 | (71)Name of Applicant : 1)NESTEC S.A. Address of Applicant :Avenue Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor : 1)CINELLI Davide 2)HAWKINS Susan |
|---|-------------|---|
| (86) International Application No | | |

(57) Abstract :

A method implemented in a computer system for supervising a production of finished food products. The production is based on a compliant by design recipe established to comply with requirements preferably being external requirements stipulated by e.g. legislation and/or internal requirements stipulated by the manufacturer. The compliant by design recipe comprises a number parameters for the finished food product is defined as rules and the method comprises: Analyzing a number of consecutively produced batches of finished food products to provide analytical results for each of the parameters defined as rules Determining the confidence level for the production based on the compliancy of the parameters with the rules and outputting the determined confidence level.

No. of Pages : 28 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :21/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MOBILE COATING SYSTEM FOR ELASTOMERIC MATERIALS (51) International classification :H01B19/04,B65G49/00 (71)Name of Applicant : (31) Priority Document No 1)CSL SILICONES INC. :13/297605 (32) Priority Date Address of Applicant :144 Woodlawn Road West Guelph :16/11/2011 (33) Name of priority country Ontario N1H 1B5 Canada :U.S.A. (86) International Application No :PCT/CA2012/001006 (72)Name of Inventor : Filing Date :31/10/2012 1)AHMED Farooq (87) International Publication No :WO 2013/071397 2)HUDA Faisal (61) Patent of Addition to Application 3)MCCONNERY Christopher W. :NA Number 4)MISTRY Balwantrai :NA Filing Date 5)WALKER Christopher A. (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A mobile coating system for coating an electrical insulator. The system includes an elongate shipping container that is transportable to a worksite and a plurality of stations located within the shipping container. The stations include a loading station for loading an insulator to be coated a coating station that includes a robotically controlled applicator for applying an elastomeric coating to the insulator a curing station located after the coating station for curing the elastomeric coating and an unloading station for unloading the coated insulator. The system also includes an endless loop conveyor for conveying the insulator through the plurality of stations. The endless loop conveyor has an elongated circular path.

No. of Pages : 54 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :F02M61/18 | (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 471857 |
| (33) Name of priority country | :NA | Japan |
| (86) International Application No | :PCT/JP2011/068872 | (72)Name of Inventor : |
| Filing Date | :22/08/2011 | 1)SUZUKI Hisao |
| (87) International Publication No | :WO 2013/027257 | |
| (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 : FUEL INJECTION VALVE

(57) Abstract :

Provided is a fuel injection valve which can suitably make fuel into a thin film without relying on an increase in the pressure of the fuel the fuel being ejected from nozzle hole outlets. Thus the fuel injection valve can satisfactorily promote the atomization of the spray of the fuel. A fuel injection valve (10) is provided with: a fuel path (16) which is formed within the fuel injection valve (10) and through which fuel flows; and a nozzle hole plate (18) which divides the fuel path (16) and an injection space (20) into which fuel is injected the nozzle hole plate (18) having nozzle holes (22) formed therein the nozzle holes (22) injecting the fuel from the fuel path (16) toward the injection space (20). Nozzle hole outlet side grooves (24) are formed in the nozzle hole plate (18) in such a manner that when the nozzle hole plate (18) is viewed from the outlet side of the nozzle holes (22) each of the nozzle outlet hole side grooves (24) connects to each of the nozzle holes (22) at a portion (inner wall surface (22b)) which is on the side opposing the main flow direction being oriented toward the nozzle hole (22) along the inner wall surface (18a) of the nozzle hole plate (18). The nozzle hole outlet side grooves (24) are formed so as to extend in the direction away from the nozzle holes (22).

No. of Pages : 30 No. of Claims : 6

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROTEIN EXHIBITING FATTY ACID ELONGATION PROMOTING ACTIVITY GENE ENCODING SAME AND USE THEREOF

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :C12N15/09,A23L1/30,A61K8/36 :2011171044 :04/08/2011 :Japan | (71)Name of Applicant : 1)SUNTORY HOLDINGS LIMITED Address of Applicant :1 40 Dojimahama 2 chome Kita ku Osaka shi Osaka 5308203 Japan |
|--|--|---|
| (86) International Application No Filing Date | :PCT/JP2012/069792 :03/08/2012 | (72)Name of Inventor : 1)OCHIAI Misa |
| (87) International Publication No | :WO 2013/018879 | |
| (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 fatty acid elongation promoting activity and polynucleotides encoding same and the like. The present invention provides: polynucleotides comprising a base sequence set forth in SEQ ID NO:1 or SEQ ID NO:4; polynucleotides encoding proteins comprising the amino acid sequence set forth in SEQ ID NO:2; expression vectors and transformants which comprise these polynucleotides; a preparation method for lipids or fatty acids which uses said transformants; and food products or the like comprising the lipids or fatty acids prepared by such a preparation method.

No. of Pages : 30 No. of Claims : 15

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : VLPS CONTAINING LIGANDS AND METHODS RELATED THERETO

| (51) International classification (31) Priority Document No (31) Priority Date (32) Priority Date (33) Name of priority (34) Priority Date (35) Name of priority (36) International (37) PCT/US2012/049008 (31/07/2012 (37) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (52) Divisional to Application Number Filing Date (54) Date | (71)Name of Applicant : 1)EMORY UNIVERSITY Address of Applicant :Office of Technology Transfer 1599 Clifton Road NE 4th Floor Atlanta Georgia 30322 U.S.A. 2)CHILDRENS HEATLHCARE OF ATLANTA INC. (72)Name of Inventor : 1)COMPANS Richard W. 2)WANG Baozhong 3)MOORE Martin L. 4)QUAN Fu Shi |
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(57) Abstract :

This disclosure relates to immunogenic compositions and methods of enhancing an immune response to an antigen. In certain embodiments the disclosure relates to virus like carries comprising a TLR5 agonist on the exterior without an antigen.

No. of Pages : 77 No. of Claims : 21

(21) Application No.1375/DELNP/2014 A

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : WATER PURIFICATION AND ENHANCEMENT 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 N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :13/137507 :22/08/2011 :U.S.A. :PCT/US2012/051847 :22/08/2012 | (71)Name of Applicant : THE WATER INITIATIVE LLC Address of Applicant :29 SE 5th Street Boca Raton FL 33432 U.S.A. (72)Name of Inventor : FITZGERALD Eugene A. XIE Ya Hong LANGDO Thomas RENJILIAN Richard THOMPSON Carl V. |
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(57) Abstract :

Water purification system comprising filtration media sized with respect to each other to allow a first contaminant in the water to saturate the first medium with a delay prior to saturation of the second medium with a second contaminant.

No. of Pages : 40 No. of Claims : 34

(21) Application No.1376/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :G06Q10/06 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/526357 | 1)LAWLAB PTY LTD |
| (32) Priority Date | :23/08/2011 | Address of Applicant :28B St Edmonds Road Prahran Victoria |
| (33) Name of priority country | :U.S.A. | 3181 Australia |
| (86) International Application No | :PCT/AU2012/000985 | (72)Name of Inventor : |
| Filing Date | :23/08/2012 | 1)PERKINS Graeme |
| (87) International Publication No | :WO 2013/026096 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | P |

(54) Title of the invention : A COLLABORATION COMPUTER SYSTEM

(57) Abstract :

A collaboration computer system (100) including a database system (306 310) and a processing system (302 304 312 314) for communicating with the database system. The database system maintains (i) user data representing users; (ii) model data representing process models of respective processes and defining steps and associated users of each process; (iii) touch point data representing connections between steps of different independent processes; and (iv) state data associated with steps of instances of the processes. The processing system includes a user module (502) to associate users with respective user data; a model module (504) to generate user interfaces for users to create the process models and generate the model data and associate processes to users independently of other users; and an instance module (506 508) to generate and operate instances of the processes based on the models and monitor state changes of the steps in parallel based on the state data and generate notification message data based on the touch point data on state change of a connected step.

No. of Pages : 50 No. of Claims : 20

(21) Application No.1428/DELNP/2014 A

(19) INDIA(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :C04B30/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/513785 | 1)DENOVO SCIENCES |
| (32) Priority Date | :01/08/2011 | Address of Applicant : Michigan Life Science And Innovation |
| (33) Name of priority country | :U.S.A. | Center 46701 Commerce Center Drive Plymouth MI 48710 |
| (86) International Application No | :PCT/US2012/048060 | U.S.A. |
| Filing Date | :25/07/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/019491 | 1)HANDIQUE Kalyan |
| (61) Patent of Addition to Application | :NA | 2)GOGOI Priyadarshini |
| Number | :NA | 3)SIEMER Christopher |
| Filing Date | .117 | 4)JAVDANI Saedeh Sepehri |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alextra et : | | • |

(54) Title of the invention : CELL CAPTURE SYSTEM AND METHOD OF USE

(57) Abstract :

A cell capture system including an array an inlet manifold and an outlet manifold. The array includes a plurality of parallel pores each pore including a chamber and a pore channel an inlet channel fluidly connected to the chambers of the pores; an outlet channel fluidly connected to the pore channels of the pores. The inlet manifold is fluidly connected to the inlet channel and the outlet channel is fluidly connected to the outlet channel. A cell removal tool is also disclosed wherein the cell removal tool is configured to remove a captured cell from a pore chamber.

No. of Pages : 81 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H03M7/30 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1114255.1 | 1)UNIVERSITY OF ANTWERP |
| (32) Priority Date | :18/08/2011 | Address of Applicant : Prinsstraat 13 B 2000 Antwerpen |
| (33) Name of priority country | :U.K. | Belgium |
| (86) International Application No | :PCT/EP2012/066204 | (72)Name of Inventor : |
| Filing Date | :20/08/2012 | 1)CUYT Annie |
| (87) International Publication No | :WO 2013/024177 | 2)LEE Wen Shin |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1 17 1 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 | | L |

(54) Title of the invention : SMART DATA SAMPLING AND DATA RECONSTRUCTION

(57) Abstract :

A computer based method (10) for characterising data dependent on at least one variable is described. The method comprises sampling the data in a smart manner by sampling the data in a finite sequence of sampling points the finite sequence of sampling points being controlled by a magnifying factor for controlling a spacing between elements of the finite sequence of sampling points and being determined such that function values of functions of a family of functions in said finite sequence of sampling points satisfy a recurrence relation. A corresponding device also is described as well as software related products.

No. of Pages : 72 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR OPERATING A FEED PUMP WHICH OPERATES IN A PULSATING FASHION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F04B43/04,F04B49/06 :11290489.1 :21/10/2011 :EPO :PCT/EP2012/070634 :18/10/2012 :WO 2013/057178 :NA :NA :NA :NA | (71)Name of Applicant : 1)EMITEC GESELLSCHAFT FR EMISSIONSTECHNOLOGIE MBH Address of Applicant :Hauptstrae 128 53797 Lohmar Germany (72)Name of Inventor : 1)BAUER Peter 2)HODGSON Jan 3)MAGUIN Georges |
|---|--|---|
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(57) Abstract :

The invention relates to a method for operating a feed pump (1) which operates in a pulsating fashion in a feed unit (2) for feeding a liquid operating substance (3) for a motor vehicle (4) with a feeding direction (5). The feed pump (1) has a feed piston (6) and a drive coil (7) for driving the feed piston (6) and the feed unit (2) has a pressure sensor (8) downstream of the feed pump (1) in the feeding direction (5). In the method a voltage profile (9) is firstly applied to the drive coil (7). A feed stroke (10) of the feed piston (6) is subsequently carried out in accordance with the voltage profile (9). In this context a pressure profile (11) in the feed unit (2) downstream of the feed pump (1) in the feeding direction (5) is monitored. This pressure profile (11) is subsequently evaluated. The voltage profile (9) is subsequently adapted as a function of at least one characteristic property of the pressure profile (11).

No. of Pages : 30 No. of Claims : 11

(21) Application No.1387/DELNP/2014 A

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD OF REMOVING COLOUR FROM OXIDATIVELY DYED

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K8/22,A61K8/46,A61K8/67 :1113087.9 :29/07/2011 :U.K. :PCT/GB2012/051839 :27/07/2012 o:WO 2013/017862 :NA :NA :NA | (71)Name of Applicant : 1)PERACHEM LIMITED Address of Applicant :Green Lane Business Park Green Lane Yeadon Leeds LS19 7XP U.K. (72)Name of Inventor : 1)HAWKES Jamie Anthony 2)LEWIS David Malcolm 3)MAMA John |
|---|---|--|
|---|---|--|

(57) Abstract :

A method of removing colour from hair that has been oxidatively dyed the method comprising the steps of: (a) contacting the hair with a composition comprising a sulfur containing nucleophile or a precursor thereof; (b) contacting the hair with an acidic composition; and (c) contacting the hair with an oxidising composition; wherein there is no rinsing step between step (a) and step (b).

No. of Pages : 30 No. of Claims : 11

(21) Application No.1388/DELNP/2014 A

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : TWO STAGE CONTINUOUS PRE TREATMENT OF LIGNOCELLULOSIC BIOMASS

| (61) Patent of Addition to :NA Application Number :NA Filing Date :NA (62) Divisional to Application :NA Number :NA With Date :NA | (32) Priority Date:28(33) Name of priority country:U.(86) International Application:PCNo:20Filing Date:20(87) International Publication No:W:01(61) Patent of Addition to:NAApplication Number:NAFiling Date:NA(62) Divisional to Application:NANumber:NA | CT/CA2012/050496 0/07/2012 VO 2013/013318 JA JA | 1)GREENFIELD SPECIALTY ALCOHOLS INC. Address of Applicant :20 Toronto Street Suite 1400 Toronto Ontario M5C 2B8 Canada (72)Name of Inventor : DOTTORI Frank A. BENSON Robert Ashley Cooper BENECH Rgis Olivier |
|---|---|---|--|
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(57) Abstract :

Disclosed is a method of pretreating biomass in two pretreatment stages as part of a biofuel production process. The first stage pretreatment is carried out by heating the biomass to a first stage temperature of 140°C to 180°C for a first stage time of 30 minutes to 2 hours at a first stage pressure of 105 to 150 psig; and the second stage is carried out by heating the biomass to a second stage temperature of 190°C to 210°C for a second stage time of 2 to 10 minutes at a second stage pressure of 167 to 262 psig. The biomass may be initially conditioned prior to the first pretreatment stage by atmospheric steam heating and adjusting the moisture content of the biomass. Hemicellulose and inhibitors (inhibitory compounds) to downstream hydrolysis and fermentation are preferably removed between the first and second pretreating stages more preferably after each pretreatment stage.

No. of Pages : 25 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :H02J7/00 (71)Name of Applicant : (31) Priority Document No 1)AUCKLAND UNISERVICES LIMITED :595056 (32) Priority Date Address of Applicant : Level 10 70 Symonds Street Auckland :07/09/2011 (33) Name of priority country 1010 New Zealand :New Zealand (86) International Application No :PCT/NZ2012/000160 (72)Name of Inventor : **1)BOYS John Talbot** Filing Date :07/09/2012 (87) International Publication No :WO 2013/036146 2)COVIC Grant Anthony (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 : MAGNETIC FIELD SHAPING FOR INDUCTIVE POWER TRANSFER

(57) Abstract :

An IPT system magnetic flux device for generating or receiving a magnetic flux has a magnetically permeable core (2) and at least one coil (4) magnetically associated with the core (2). A shield (6) repels magnetic flux and is located on the opposite side of the core (2) such that the shield (6) includes an outer portion (dA1) that extends beyond at least part of the perimeter of the core.

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

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application | :25/09/2012 :WO 2013/049032 :NA | (71)Name of Applicant : 1)ILLINOIS TOOL WORKS INC. Address of Applicant :155 Harlem Avenue Glenview Illinois 60025 U.S.A. (72)Name of Inventor : 1)ALBRECHT Bruce Patrick 2)SCHARTNER Quinn William 3)PANELLI Edward J. |
|--|---------------------------------------|---|
| (61) Patent of Addition to Application | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : WELDING METHOD UTILIZING CLOUD COMPUTING AND DATA STORAGE

(57) Abstract :

A welding system or an enterprise using welding systems can communicate with cloud based resources for the provision of services and products to facilitate the welding operations. The communications may be via wired or wireless media and may be direct or through other components such as enterprise networks peripheral devices and so forth. The cloud based resources may provide for storage of data particularly welding data processing of data welding protocols specifications and processes financial transactions for the purchase licensing or use of welding related products and services welding training and so forth.

No. of Pages : 29 No. of Claims : 25

(21) Application No.1488/DELNP/2014 A

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : OPTO ELECTRONIC CIRCUITS AND TECHNIQUES

| (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:H05B37/02,H01S5/00,H05B33/08 :61/573316 :02/09/2011 :U.S.A. :PCT/US2012/000377 :31/08/2012 :WO 2013/032526 | (71)Name of Applicant : 1)QUANTUM ELECTRO OPTO SYSTEMS SDN. BHD. Address of Applicant :Melaka Media House MITC City 754 Ayer Keroh Melakia Malaysia (72)Name of Inventor : 1)WALTER Gabriel 2)LAM Poh Lian |
|--|--|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

A hybrid circuit for producing optical signals in response to electrical energizing signals including: a tilted charge light emitting device having an electrical input port and an optical output port the device having an optical output response which is a function of input frequency; and an input interface circuit coupled with the electrical input port of the device and having a transfer function substantially proportional to an inverse of the optical output response of the device; whereby application of the electrical energizing signals to the input interface circuit is operative to produce optical signals from the output optical port of the device. The input interface circuit includes a passive RLC circuit having a transfer function characterized by a region of increasing amplitude versus frequency.

No. of Pages : 29 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :27/11/2013

(54) Title of the invention : FORMULATION

(43) Publication Date : 30/01/2015

| ,C09D153/00 (71)Name of Applicant : |
|---|
| 1)SYNGENTÄ LIMITED |
| Address of Applicant : European Regional Centre Priestley |
| Road Surrey Research Park Guildford Surrey GU2 7YH U.K. |
| 2/062943 (72)Name of Inventor : |
| 1)MULQUEEN Patrick Joseph |
| 04704 2)THOMSON Niall Rae |
| 3)BIGGS Simon Richard |
| 4)CHAGNEUX Nelly |
| 5) DUBOIS Mathieu Edmond Ren |
| 6)SARKER Prodip |
| 7)SCANLON Shane |
| |

(57) Abstract :

The present invention relates to a process for coating a surface with micelles which comprise an AB block copolymer comprising the step of treating the surface with an apolar liquid containing the micelles; and to surface scoated with such micelles.

No. of Pages : 53 No. of Claims : 13

(21) Application No.1038/DELNP/2014 A

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : SAW BLADE DISC AND TOOTH HOLDER ASSEMBLY

| (32) Priority Date:28/07/2011(33) Name of priority country:U.S.A.(86) International Application:PCT/CA2012/050514 | 1)Name of Applicant : 1)9293 3720 QUEBEC INC. Address of Applicant :395 rue Marconi Qubec Qubec G1N A5 Canada 2)Name of Inventor : 1)JACQUES Alain |
|---|---|
|---|---|

(57) Abstract :

A saw blade comprises a disc and a plurality of tooth holders. The saw blade disc has a plurality of receiving stations with at least one recess with an indentation extending tangentially from a radially inner leading edge portion thereof. Each one of the tooth holders has a protrusion extending tangentially from a radially inner leading edge portion thereof. The tooth holders are engageable in the receiving stations of the saw blade disc with the protrusions of the tooth holders being inserted in the indentation of the receiving stations.

No. of Pages : 24 No. of Claims : 46

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR THE PREPARATION OF DEXLANSOPRAZOLE

| (51) International classification (31) Priority Document Not (32) Priority Date (33) Name of priority country | :1744/DEL/2011 | (71)Name of Applicant : 1)RANBAXY LABORATORIES LIMITED Address of Applicant :Head Office: 12th Floor Devika Tower 06 Nehru Place New Delhi Delhi 110019 Delhi India (72)Name of Inventor : 1)RAY Anmol Kumar |
|--|--|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/IB2012/053123 :20/06/2012 :WO 2012/176140 | 2)MITTAL Anu 3)GOTTUMUKKALA Nagaraju 4)KHANNA Mahavir Singh 5)THAPER Rajesh Kumar 6)PRASAD Mohan |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | 7)ARORA Sudershan Kumar |

(57) Abstract :

The present invention relates to a process for the preparation of dexlansoprazole.xHiO, wherein x is about 0.0 to about 0.1, using dexlansoprazole.xH 20, wherein x is about 2.6 to about 50.

No. of Pages : 10 No. of Claims : 15

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SOLID CATALYST COMPONENT FOR POLYMERIZATION OF OLEFIN CATALYST FOR POLYMERIZATION OF OLEFIN AND METHOD FOR PRODUCING OLEFIN POLYMER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :C08F4/654,C08F4/658,C08F10/00 :2011204738 :20/09/2011 :Japan :PCT/JP2012/061844 :09/05/2012 :WO 2013/042400 | (71)Name of Applicant : 1)TOHO TITANIUM CO. LTD. Address of Applicant :3 5 Chigasaki 3 chome Chigasaki shi Kanagawa 2538510 Japan (72)Name of Inventor : 1)SUGANO Toshihiko 2)UOZUMI Toshiya 3)NAKAMURA Noriaki |
|---|--|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

A solid catalyst component for the polymerization of an olefin which comprises titanium magnesium a halogen and a compound represented by formula (1): RO C(=O) O Z OR. A catalyst for the polymerization of an olefin which comprises the solid catalyst component an organoaluminum compound and optionally an outer electron donating compound. The solid catalyst component and the catalyst enable the high yield production of an olefin polymer which has a proper molecular weight distribution that is not narrow or broad while keeping the stereoregularity thereof at a high level.

No. of Pages : 75 No. of Claims : 13

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS AND METHODS FOR THE LAUNCH AND RECOVERY OF CRAFT FROM AND TO A HOST SHIP

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application | :PCT/GB2012/052067 | (71)Name of Applicant : 1)BAE SYSTEMS PLC Address of Applicant :6 Carlton Gardens London SW1Y 5AD U.K. (72)Name of Inventor : 1)SUTHERLAND Craig |
|--|--------------------|---|
| Filing Date | :23/08/2012 | |
| (87) International Publication No | :WO 2013/030543 | |
| (61) Patent of Addition to | :NA | |
| Application Number Filing Date | :NA | |
| (62) Divisional to Application | ^l ·NA | |
| Number Filing Date | :NA | |

(57) Abstract :

A system and method for determining and displaying the suitability of water conditions in a zone for the launch or recovery of a smaller craft from or to a host ship is disclosed. The system and method detect one or more external environment parameters such as the height direction and period of the swell (26) and one or more parameters relating to the ship operating conditions such as the heading speed pitch and roll angles (28) and processes these (22) to determine the suitability of the conditions for launch or recovery (24).

No. of Pages : 23 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : ROLLING S | ΓAND ROLL NECK SEA | L |
|--|--------------------|--|
| (54) The of the invention : KOLLING 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 | | (71)Name of Applicant : (71)SIEMENS INDUSTRY INC. Address of Applicant :3333 Old Milton Parkway Alpharetta Georgia 30005 4437 U.S.A. (72)Name of Inventor : 1)DAUPHINAIS Raymond P. |

(57) Abstract :

A rolling mill roll neck is sealed by interposing a seal (6,64) between a roll flinger (52,54) having a first axial surface and an opposing second axial surface of a roll housing retaining plate (30). The seal is biased into contact against one of the axial surfaces with a pressurized fluid source, such as compressed air. As the seal wears during roll neck operation the pressurized fluid maintains biasing contact between the seal and the axial surface. The remainder of the intact seal is remains pressed into contact with the mating, opposing axial surface, for example that of a roll flinger or a retaining plate. Advantageously the seal is housed in a sta tionary retaining plate that is in opposed axial relationship with a rotating flinger.

No. of Pages : 19 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR HIGH THROUGHPUT SCREENING OF TRANSGENIC PLANTS

| (31) Priority Document No:61/51405(32) Priority Date:02/08/201(33) Name of priority country:U.S.A.(86) International Application No:PCT/US2Filing Date:23/07/201 | A/2011Address of Applicant :1007 Market Street WilmingtonA.Delaware 19899 U.S.A.2)PIONEER HI BRED INTERNATIONAL |
|--|---|
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(57) Abstract :

The invention relates to a method for quantifying levels of expression and/or quantifying copy number of a heterologous polynucleotide in a transgenic plant using quantitative or real time polymerase chain reaction (QPCR or real time PCR) wherein the real time PCR is performed using a primer set specific to a heterologous terminator sequence operably linked to the heterologous polynucleotide.

No. of Pages : 48 No. of Claims : 19

(21) Application No.1424/DELNP/2014 A

(19) INDIA(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : TERMINATOR SEQUENCE FOR GENE EXPRESSION IN 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 | :61/514055 :02/08/2011 :U.S.A. :PCT/US2012/047901 :23/07/2012 :WO 2013/019461 :NA :NA | (71)Name of Applicant : 1)PIONEER HI BRED INTERNATIONAL Address of Applicant :7100 N.W. 62nd Avenue P.O. Box 1014 Johnston Iowa 50131 U.S.A. (72)Name of Inventor : 1)ABBITT Shane E. 2)JUNG Rudolf |
|---|--|---|
| | :NA :NA :NA | |

(57) Abstract :

The present invention discloses polynucleotide sequences that can be used to regulate gene expression in plants. Terminator sequences from that are functional in plants are disclosed.

No. of Pages : 63 No. of Claims : 11

(22) Date of filing of Application :26/02/2014

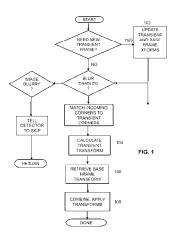
(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS AND SYSTEM FOR STABILIZING LIVE VIDEO IN THE PRESENCE OF LONG TERM IMAGE DRIFT

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :G06T7/20 :13/249412 :30/09/2011 :U.S.A. :PCT/US2012/056021 :19/09/2012 :WO 2013/048837 :NA :NA :NA :NA | (71)Name of Applicant : 1)SIEMENS INDUSTRY INC. Address of Applicant :3333 Old Milton Parkway Alpharetta Georgia 30005 4437 U.S.A. (72)Name of Inventor : 1)STRINE Lloyd 2)BOBICK Aaron 3)BRAGG Jeffrey |
|---|---|--|
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(57) Abstract :

Methods and systems stabilization of a camera image for short term or pole shake and longer term pole drift are provided. The camera is attached to a fixed structure. The pole drift is over periods of times long enough that the imagery can change significantly between a base reference frame and the current stabilized transient frame. A multitude of mapped frames and associated information is maintained. The slowly varying camera orientation (pole drift) is decoupled from the rapid motion jitter (pole shake) and separate transformations are calculated for each. Up to three transformations may be combined together for any one input frame. The separate transformations are combined together so that only one full blown image transformation computation is performed for each frame. A surveillance system applies a stabilization method.



No. of Pages : 68 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPRESSION GARMENTS AND A METHOD OF MANUFACTURE

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :D06F, D02G :2004905456 :23/09/2004 :Australia | (71)Name of Applicant : 1)SKINS INTERNATIONAL TRADING AG Address of Applicant :SENNWEIDSTRASSE 43, 6312 STEINHAUSEN, SWITZERLAND, |
|--|---|--|
| (86) International Application No Filing Date | :PCT/AU2005/001450 :23/09/2005 | (72)Name of Inventor : 1)DUFFY, BRADLEY THOMAS |
| (87) International Publication No(61) Patent of Addition to Application | :WO 2006/032096 :NA | 2)DUFFY, SUSAN KATHLEEN |
| Number Filing Date | :NA | |
| (62) Divisional to Application Number Filed on | :2404/DELNP/2007 :29/03/2007 | |

(57) Abstract :

The invention provides compression garment (50) for clothing bodypart, such as alower torso and the legs. The body part includes a muscle 52._ ridge, such as a lateral edge of the gluteus maximTMs (49). Compression garment (50) has first and second panels of stretchable material joined by a seam (32). At least part of the seam (32) is adapted to correspond to at least part of the muscle ridge, being at the edge of the gluteus maximum (49). The invention also provides a method of manufacturing a compression garment, using an algorithm to calculate size changes to produce desired compression.

No. of Pages : 51 No. of Claims : 24

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : FLEXIBLE TRANSMISSION OF MESSAGES IN A WIRELESS COMMUNICATION SYSTEM WITH MULTIPLE TRANSMIT ANTENNAS

| (31) Priority Document No:61/3(32) Priority Date:15/0(33) Name of priority country:U.S(86) International Application No:PCTFiling Date:14/0 | T/IB2012/0541481)KOORAPATY Havish/08/20122)BALDEMAIR RobertO 2013/0244393)CHENG Jung FuA4)FRENNE Mattias5)LARSSON Daniel |
|---|--|
|---|--|

(57) Abstract :

Devices and methods for transmitting information in resource blocks between a base station and one or more communication devices are disclosed. In each resource block (RB) used for a data or control channel transmission a plurality of non over!apping regions of resource elements (REs) are defined. Each region is associated with one or multiple unique reference symbols (RSs) and may be further associated with one or more antenna ports. When user equipment (UE) demodulates the information it receives in a particular region of an RB it uses the RS and/or antenna port associated with that region. The RS and/or antenna port information may be used for example to estimate a channel of the communication network or to demodulate and decode the data contained within the associated regions.

No. of Pages : 65 No. of Claims : 43

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : VEHICULAR MOTOR DRIVE DEVICE 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 (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :PCT/JP2012/072412 :04/09/2012 :WO 2013/038942 :NA :NA | (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)ISOBE Fumihiro 2)MAKINO Tomoaki |
|--|--|---|
|--|--|---|

(57) Abstract :

This vehicular motor drive device is provided with an electric motor (10) and a reducer (20) that has two gear trains (23, 24) that allow switching between fixed gear ratios. For each gear train 24), the power curve (LI, L2) indicating the relationship between output rotational speed E and the maximum output torque that can b e obtained at that output rotational speed, as determined by the output characteristics of the motor (10), has a constant-torque section (LI a, L2a), a decreasing-torque section (Lib, L2b), and a constant-speed section (Lie, L2c). The reduction gear ratios of the gear trains (23, 24) are such that the power curves (LI, L2) of both gear trains (23, 24) are contiguous, with an overlap section (Lba) in the decreasing-torque sections (Lib, L2b).

No. of Pages : 45 No. of Claims : 8

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SURFACTANT TREATED PARTICULATE MATERIAL FOR THE PRODUCTION OF CEMENT 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 | PCT/EP2012/067257 :05/09/2012 :WO 2013/034567 :NA :NA | (71)Name of Applicant : LAFARGE Address of Applicant :61 rue des Belles Feuilles F 75116 Paris France (72)Name of Inventor : GARTNER Ellis HOANG L^a Chi^an |
|--|---|--|
| (62) Divisional to Application Number Filing Date | ¹ :NA :NA | |

(57) Abstract :

The invention provides a particulate material for the production of a cement foam which material comprises particles

comprising attached to the particle surface a surfactant which renders the particles hydrophilic the surfactant comprising a moiety which is hydrolysable under alkaline conditions which surfactant after loss of the moiety by alkaline hydrolysis renders the particles partially hydrophobic.

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

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MEASUREMENT OF BELT WEAR THROUGH EDGE DETECTION OF A RASTER IMAGE

| (51) International classification | :G06K9/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/226266 | 1)THE GATES CORPORATION |
| (32) Priority Date | :06/09/2011 | Address of Applicant :1551 Wewatta Street IP Law Dept. 10 |
| (33) Name of priority country | :U.S.A. | A3 Denver CO 80202 U.S.A. |
| (86) International Application No | :PCT/US2012/053818 | (72)Name of Inventor : |
| Filing Date | :06/09/2012 | 1)SOBCZAK Flloyd M. |
| (87) International Publication No | :WO 2013/036547 | 2)SEALEY James H. |
| (61) Patent of Addition to Application | :NA | 3)SEDLACEK Douglas R. |
| Number | :NA :NA | 4)STUEMKY Mark E. |
| Filing Date | .INA | 5)ASCHENBRENNER Justin L. |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | l |

(57) Abstract :

Tools for determining belt wear are provided. Specifically non contact based systems and processes are described which enable a quick and accurate measurement of belt wear. Based on the measurements of belt wear a wear condition for the belt can be determined. Information regarding the wear condition can then be used to determine an appropriate remedial measure for responding to the determined wear condition.

No. of Pages : 40 No. of Claims : 23

| (12) PATENT APPLICATION PUBLICATION (19) INDIA | (21) Application No.1480/DELNP/2014 A |
|---|---------------------------------------|
| (22) Date of filing of Application :26/02/2014 | (43) Publication Date : 30/01/2015 |
| (54) Title of the invention : ROLLER TAPPET | |

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :F02M59/10,F01L1/14,F04B1/04 :102011085242.5 :26/10/2011 :Germany :PCT/EP2012/065128 :02/08/2012 | (71)Name of Applicant : 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG Address of Applicant :Industriestrae 1 3 91074 Herzogenaurach Germany (72)Name of Inventor : 1)DORN Stefan 2)GEYER Norbert |
|--|---|---|
| (87) International Publication N | o:WO 2013/060494 | 2)GETER NOIDEIL |
| (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 roller tappet (1) for example for a high pressure fuel pump of an internal combustion engine comprising a housing (2) which has a roller (4) used to start a periodic stroke generator on the drive side face (3) of the housing which roller extends in a top side (5) of a bridge piece (7) extending through an inner cylinder (6) of the housing (2) wherein a bottom side of the bridge piece (7) has an attachment for a tappet following part. The roller (4) has a conical shaft stub (17) having a ring step (18) which lies against the bottom side of the ring collar (11).

No. of Pages : 10 No. of Claims : 8

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR IMPROVING THERAPY FOR AUTOIMMUNE DISEASES SUCH AS RHEUMATOID ARTHRITIS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K31/352,A61K31/319,A61K31/3/3 :2011188011 :30/08/2011 :Japan :PCT/JP2012/071840 :29/08/2012 :WO 2013/031831 :NA :NA :NA | (71)Name of Applicant : 1)TOYAMA CHEMICAL CO. LTD. Address of Applicant :2 5 Nishishinjuku 3 chome Shinjuku ku Tokyo 1600023 Japan (72)Name of Inventor : 1)TANAKA Keiichi |
|---|--|---|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

In the present invention, a method using a combination of iguratimod or a salt thereof and one or more immvmosuppressants is useful as a method for the treatment of autoimmune diseases, and with this method adverse effects are lessened. A pharmaceutical composition containing this combination is useful for the treatment of autoimmune diseases. This method and pharmaceutical composition are useful for the treatment of more severe autoimmune diseases.

No. of Pages : 26 No. of Claims : 66

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL SOFT ROCK INHIBITORS

| No:111/9491.3(32) Priority Date:31/08/2011(33) Name of priority country:EPO(86) International Application No:PCT/EP2012/067017 :31/08/2012(87) International Publication No:WO 2013/030366(61) Patent of Addition to Filing Date:NA :NA :NA(62) Divisional to Filing Date:NA :NA(62) Divisional to Filing Date:NA :NA | (32) Priority Date (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/EP2012/067017 :31/08/2012 :WO 2013/030366 ⁵⁰ :NA :NA :NA | (72)Name of Inventor : 1)ALEN Jo 2)BOLAND Sandro 3)BOURIN Arnaud Pierre Jean 4)DEFERT Olivier |
|--|--|---|---|
|--|--|---|---|

(57) Abstract :

The present invention relates to new kinase inhibitors more specifically ROCK inhibitors compositions in particular

pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In particular the present invention relates to new ROCK inhibitors compositions in particular pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In addition the invention relates to methods of treatment and use of said compounds in the manufacture of a medicament for the application to a number of therapeutic indications including sexual dysfunction inflammatory diseases and ophthalmic diseases.

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

(19) INDIA

(22) Date of filing of Application :24/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : GREENHOUSE SCREEN | | |
|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A01G9/14,A01G9/22 :11508652 :22/09/2011 :Sweden :PCT/EP2012/068356 :18/09/2012 :WO 2013/041524 :NA :NA :NA :NA | (71)Name of Applicant : 1)AKTIEBOLAGET LUDVIG SVENSSON Address of Applicant :S 511 82 Kinna Sweden (72)Name of Inventor : 1)ANDERSSON Hans 2)HOLGERSON Per |

(57) Abstract :

The invention refers to a greenhouse screen comprising strips (11) of film material that are interconnected by a yarn framework of transverse threads (13a,13b) and longitudinal threads (12) to form a continuous product wherein the yarn framework is thermally bonded to at least one side of the strips (11) of film material wherein also those parts of the yarn framework that is thermally bonded to the strips have liquid transporting capacity by capillary action. The amount of yarn in the yarn framework interconnecting and holding the strips can herewith be reduced.

No. of Pages : 29 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :A61J1/20 :215699 :11/10/2011 :Israel :PCT/IL2012/000354 :10/10/2012 :WO 2013/054323 | (71)Name of Applicant : 1)MEDIMOP MEDICAL PROJECTS LTD Address of Applicant :17 Hatidhar Street P.O. Box 2499 43665 Raanana Israel (72)Name of Inventor : 1)LEV Nimrod 2)BEN SHALOM Niv |
|---|--|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/054323 :NA :NA :NA :NA | 2)BEN SHALOM Niv |

(54) Title of the invention : VALVE ASSEMBLY FOR USE WITH LIQUID CONTAINER AND DRUG VIAL

(57) Abstract :

Valve assemblies for use with a liquid container and a drug vial for enabling an initial transfer of liquid contents from the liquid container to the drug vial for liquid drug formation purposes and subsequent transfer of liquid drug contents from the drug vial to the liquid container for administration purposes. Liquid drug transfer sets can include a valve assembly pre attached to a liquid container. Alternatively liquid drug transfer sets can include a valve assembly packaged in sterile blister packaging ready for attachment to a liquid container prior to use.

No. of Pages : 24 No. of Claims : 9

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SILANE CROSSLINKABLE POLYMER COMPOSITION

| (32) Priority Date:26/08/2011(33) Name of priority country:EPO(86) International Application No :PCT/EP2012/066537122 | 71)Name of Applicant : 1)BOREALIS AG Address of Applicant :IZD Tower Wagramerstrasse 17 19 A 220 Vienna Austria 72)Name of Inventor : 1)DAHLEN Kristian |
|---|---|
|---|---|

(57) Abstract :

The invention relates to a crosslinkable polymer composition comprising (a) a polyolefin bearing hydrolysable silane groups and a silanol condensation catalyst compound as well as to an article preferably a cable thereof. Also the use of the silanol condensation catalyst compound for crosslinking an article preferably a layer of a cable is provided.

No. of Pages : 49 No. of Claims : 16

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : OXYGEN ABSORBENT COMPOSITION AND OXYGEN ABSORBENT PACKAGING 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 | :B01D53/14,A23L3/3436,B01J20/22 :2011190695 :01/09/2011 :Japan :PCT/JP2012/071963 :30/08/2012 ⁿ :WO 2013/031877 :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)OKADA Satoshi 2)TAKAGI Toshiya 3)KASHIBA Takashi 4)IWAMOTO Shinpei 5)IKEDA Shinichi 6)USUDA Kenichiro |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided is a novel oxygen absorbent composition that is capable of realizing an oxygen absorbent that does not respond to metal detectors an increase in odor strength after oxygen absorption being suppressed in the oxygen absorbent composition and the oxygen absorbent composition exhibiting an excellent oxygen absorbing performance under broad humidity conditions from low humidity to high humidity. Also provided is an oxygen absorbent packaging etc. in which the oxygen absorbent composition is used. This oxygen absorbent composition includes: at least one compound having a tetralin ring represented by general formula (1); and a transition metal catalyst. (In formula (1) each of R R independently represents an oxygen atom or a monovalent substituent; the monovalent substituent being at least one type selected from the group consisting of a halogen atom an alkyl group an alkenyl group an alkynyl group an aryl group a naryl group an acyl group an amino group a mercapto group an alkylthio group an arylthio group a heterocyclic thio group and an imide group. The monovalent substituent may further have a substituent and two substituents from amongst R R may bond and form a ring.)

No. of Pages : 94 No. of Claims : 17

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NANOPARTICULATE PHOSPHATE ADSORBENT ON THE BASIS OF MAGHEMITE OR MAGHEMITE/MAGNETITE, PRODUCTION AND USES THEREOF

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :A61K33/26,A61K9/14,A61K9/51 :10 2011 112 898.4 :08/09/2011 :Germany | (71)Name of Applicant : 1)CHARIT‰ UNIVERSIT,,TSMEDIZIN BERLIN Address of Applicant :Charitplatz 1 10117 Berlin Germany (72)Name of Inventor : |
|--|---|---|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/003676 :03/09/2012 :WO 2013/034267 | 1)WAGNER Susanne 2)TAUPITZ Matthias 3)SCHELLENBERGER Eyk 4)SCHNORR Jrg 5)EBERT Monika |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 6)GENTER Gesche 7)KRATZ Harald |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a phosphate adsorbent on the basis of maghemite or maghemite/magnetite comprising (i) an iron oxide core comprising a crystal structure of inverse spinel iron oxide (ii) a coating selected from monomeric carbohydrates in particular monosaccharides or disaccharides alditols or mixtures thereof and/or (iii) a pharmaceutical excipient selected from polymeric carbohydrates wherein the phosphate adsorbent has the form of nanoparticles with a particle size of the iron oxide core (i) of less than 20 nm. The present invention further relates to a method for the production of a phosphate adsorbent on the basis of maghemite or maghemite/magnetite to pharmaceutical compositions comprising the phosphate adsorbent and to medical uses thereof especially for the prevention and/or treatment of hyperphosphatemia.

No. of Pages : 63 No. of Claims : 28

(19) INDIA(22) Date of filing of Application :26/12/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : LOW CARRYOVER LIQUID HANDLING PROBE FOR AN AUTOMATED ANALYZER

| (51) International classification | :G01N35/10,B01L3/02 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :61/504070 | 1)BECKMAN COULTER INC. |
| (32) Priority Date | :01/07/2011 | Address of Applicant :250 S. Kraemer Boulevard Brea |
| (33) Name of priority country | :U.S.A. | California 92821 U.S.A. |
| (86) International Application No | :PCT/US2012/044431 | (72)Name of Inventor : |
| Filing Date | :27/06/2012 | 1)HOLMES Laura Elizabeth Schilling |
| (87) International Publication No | :WO 2013/006343 | 2)ALSETH Steve M. |
| (61) Patent of Addition to Application | :NA | 3)CARVER John G. |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

Provided herein is a carryover-reducing liquid handling Figure 1 110 (flared probe for an analytical system, incor /fitting) porating a rigid sheath and a polymer core that extends from the sheath to act as the fluid contact surface.

No. of Pages : 25 No. of Claims : 19

(22) Date of filing of Application :27/02/2014

(54) Title of the invention : PYRAZOLO[4,3C-]PYRIDINE DERIVATIVES AS KINASE 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 | :C07D471/04,C07D487/04,A61K31/519 :11182020.5 :20/09/2011 :EPO :PCT/EP2012/068504 :20/09/2012 :WO 2013/041605 to :NA :NA :NA | (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)RAMSDEN Nigel 2)DAGOSTIN Claudio |
|--|--|---|
|--|--|---|

(57) Abstract :

The present invention relates to compounds of formula (I) wherein X 1 to X5, Y, ZA, Z, R and A have the meaning as o cited in the description and the claims. Said compounds are useful as kinase inhibitors for the treatment or prophylaxis of immunolo - gical, inflammatory, autoimmune, allergic disorders, and immunologically- mediated diseases. The invention also relates to pharma ceutical compositions including said compounds as well as the use as medicaments.

No. of Pages : 85 No. of Claims : 24

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : LOAD MEASUREMENT ON THE LOAD RECEIVER OF HOISTING DEVICES

| (31) Priority Document No (32) Priority Date (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 | n:B66C1/40,B66C13/16,B66C13/44 :10 2011 111 517.3 :31/08/2011 :Germany :PCT/EP2012/066851 :30/08/2012 :WO 2013/030269 :NA :NA | (71)Name of Applicant : HIRSCHMANN AUTOMATION AND CONTROL GMBH Address of Applicant :Stuttgarter Strasse 45 51 72654 Neckartenzlingen Germany (72)Name of Inventor : KAPTUR Ralf KETTENBACH Helmuth TORDY Robert |
|--|---|--|
| Number Filing Date | :NA :NA | |

(57) Abstract :

Device for determining the force of an operational arrangement acting on a load receiver, wherein the load receiver is arranged movably relative to a component of the operational arrangement, wherein sensor means are provided, determining the force acting on the load receiver, wherein transmission means are provided, which wirelessly transmit a signal representing the force generated and emitted by the sensor means to a control device of the operational arrangement, and wherein energy supply means providing the power supply at least for the sensor means and/or for the transmission means are provided on the load receiver.

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

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SOLE CHASSIS FOR SHOES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :A43B13/41,A43B13/38,A43B7/14 :10 2011 109 274.2 :03/08/2011 :Germany :PCT/EP2012/003286 :02/08/2012 | (71)Name of Applicant : 1)MAYER GBR Address of Applicant :Karlstrae 42a 88045 Friedrichshafen Germany (72)Name of Inventor : 1)MAYER Helmut |
|---|---|--|
| (87) International Publication No | :WO 2013/017277 | |
| (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 sole chassis for shoes comprising a flexible front sheet assigned to the front foot area which is connected in an articulated manner via a bending edge to a flexurally rigid rear sheet assigned to the rear foot area wherein the front sheet comprises a corrugated structured sole made of spring steel or another flexible hard material which can be bent at an angle with respect to the longitudinal axis and is designed to be flexurally rigid in the transverse area and is connected to the rear sheet via a bending edge.

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

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : LOCK NUT 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 | | (71)Name of Applicant : 1)BRIAN INVESTMENTS PTY LTD Address of Applicant :18/63 Knutsford Avenue Belmont Western Australia 6104 Australia (72)Name of Inventor : 1)DAVIES Brian |
|---|------------|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A lock nut assembly (10,10) has a first component (12) provided with a threaded axial through hole (19); and a second component (14) provided with an axial (hole 31). The first and second components (12,14) are detachably coupled together and arranged so that both components are simultaneously engagable with a common tool to effect application of the assembly (10,10) onto a threaded member (22) by operation of the tool to impart torque to the assembly (10,10) in a first direction. The first component (12) initially engages the threaded (member 22) with the second component (14) following. The first component (12) provides fastening to the threaded member (22) and is torqued as required. The second component (14) acts to lock the first component (12) onto the threaded member (22).

No. of Pages : 41 No. of Claims : 43

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : REDUCED PRESSURE WOUND DRESSINGS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | :U.S.A. :PCT/US2012/047742 :20/07/2012 | (71)Name of Applicant : 1)KCI LICENSING INC. Address of Applicant :Legal Department Intellectual Property P.O. Box 659508 San Antonio TX 78265 9508 U.S.A. (72)Name of Inventor : 1)ROBINSON Timothy Mark 2)LOCKE Christopher Brian |
|---|--|--|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Systems methods and dressings for treating a linear wound such as an incision on a patient are presented. The systems dressings and methods involve a sealed wound dressing assembly that helps form a fluid seal around the linear wound while simultaneously encompassing a subcutaneous delivery conduit to deliver fluid to or from a subcutaneous tissue site. In one instance a reduced pressure interface is used to allow the subcutaneous delivery conduit to pass through tissue at or near the linear wound and through a wound dressing assembly to a drainage receptacle.

No. of Pages : 37 No. of Claims : 22

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MECHANICAL SYSTEM COMPRISING A DEVICE FOR CONNECTION BETWEEN A WEARING PART AND THE SUPPORT THEREOF HEAVY CONSTRUCTION MACHINE BUCKET AND METHOD FOR IMPLEMENTING SAID 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 | :E02F9/28 :1157732 :01/09/2011 :France :PCT/EP2012/066960 :31/08/2012 :WO 2013/030335 :NA :NA | (71)Name of Applicant : 1)SAFE METAL Address of Applicant :2 place de Francfort F 69003 Lyon France (72)Name of Inventor : 1)MARCHAND Fabrice |
|---|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a mechanical system (1) comprising a support (10), a tooth (20) and a device (30) for interconnecting said two components. The device (30) comprises an elastic sheath (40) provided with an inner cavity (48) and an outer wall (44) that is adjustable in a housing (14) of the support (10), and a key (50) that is adjustable in the cavity (48) of the sheath (40). The sheath (40) and the key (50) can be rotated together in a fixed manner about a pivoting axis in the housing (14), between an insertion configuration and a locking configuration, thereby forming a coupling connection between the tooth (20) and the support (10). The inner cavity (48) extends into the sheath (40) along an eccentric axis that is radically staggered in relation to the pivoting axis. The inner cavity (48) is provided with elements for rotatably securing to driving elements (59) arranged on the key (50). The invention also relates to a heavy-construction machine bucket (G) comprising such a system (1), and to a method for implementing such a system (1).

No. of Pages : 24 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :H02M3/158 (71)Name of Applicant : (31) Priority Document No :10 2011 085 559.9 **1)ROBERT BOSCH GMBH** (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :02/11/2011 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2012/069393 (72)Name of Inventor : **1)KRAUTER Gisbert** Filing Date :02/10/2012 (87) International Publication No :WO 2013/064318 (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 : VOLTAGE CONVERTER HAVING A FIRST PARALLEL CIRCUIT

(57) Abstract :

The invention relates to a voltage converter (1) comprising a first parallel circuit of a first capacitor (CI) having a number of $N \ge 1$ parallel connected actuators having N-input voltages (Ui...Un) and N-input currents (I)... In). The invention is characterized in that a second capacitor (C2) is connected in series to the first parallel circuit, wherein the capacitor voltage is (Uc2) smaller than or equal to the smallest input voltage (Ui...Už) of the actuator.

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

(21) Application No.1448/DELNP/2014 A

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : GENERAL MEDICATION DISPOSAL 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 | b :PCT/US2012/057615 :27/09/2012 | (71)Name of Applicant : 1)TEIKOKU PHARMA USA INC. Address of Applicant :1718 Ringwood Avenue San Jose California 95131 U.S.A. (72)Name of Inventor : 1)FOWLER William 2)ANDERSON Clayton 3)ANDERSON Carter |
|--|-------------------------------------|---|
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(57) Abstract :

General medication disposal systems are provided. Aspects of the systems include devices having a sealable container dimensioned to accommodate a pharmaceutical composition; and an amount of an inactivating substance e.g. granulated or pelletized activated carbon present inside of the of sealable container. Aspects of the invention further include methods of making and using the systems as well as kits comprises the devices of the system.

No. of Pages : 27 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :C01B31/12 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/247211 | 1)CORNING INCORPORATED |
| (32) Priority Date | :28/09/2011 | 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/US2012/057161 | (72)Name of Inventor : |
| Filing Date | :26/09/2012 | 1)GADKAREE Kishor Purushottam |
| (87) International Publication No | :WO 2013/049086 | 2)LIU Jia |
| (61) Patent of Addition to Application | :NA | 3)REDDY Kamjula Pattabhirami |
| Number | :NA | |
| Filing Date | .11/A | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
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(54) Title of the invention : METHOD FOR MAKING ALKALI ACTIVATED CARBON

(57) Abstract :

A method for activating carbon via alkali activation processes includes the introduction of water vapor during the activation phase to control the formation of highly reactive by products. The method includes heating the mixture of a carbon containing first material and a alkali containing second material introducing water vapor at a first threshold temperature and stopping water vapor introduction at a second threshold temperature. The activated carbon material is suitable for carbon based electrodes and for use in high energy density devices.

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

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITE POWDER 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 | :C09C3/06,A61K8/19,A61K8/27 :2011169747 :03/08/2011 :Japan :PCT/JP2012/069583 :01/08/2012 o:WO 2013/018828 :NA :NA :NA | (71)Name of Applicant : 1)SAKAI CHEMICAL INDUSTRY CO. LTD. Address of Applicant :5 2 Ebisujima cho Sakai ku Sakai shi Osaka 5908502 Japan (72)Name of Inventor : 1)ASHIDA Takuro 2)GOUDA Nanae |
|---|---|--|
|---|---|--|

(57) Abstract :

Provided is a composite powder that is stable even when present in water for a long period of time. [Solution] The composite powder results from forming on the surface of an inorganic powder a first coating layer comprising a water repellant organic compound and a second coating layer formed on the first coating layer and comprising at least one compound selected from the group consisting of silicon dioxide a hydrate of silicon dioxide an oxide of aluminum and a hydroxide of aluminum.

No. of Pages : 41 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ARTICLE AND SOIL CAPTURE AGENT FOR CLEANING SURFACES

(57) Abstract :

An article and soil capture agent for cleaning a surface.

No. of Pages : 56 No. of Claims : 13

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

2)BOLAND Sandro

4)DEFERT Olivier

5)LEYSEN Dirk

3)BOURIN Arnaud Pierre Jean

(54) Title of the invention : NOVEL ROCK KINASE INHIBITORS (51) International (71)Name of Applicant : :C07D213/75,C07D405/12,A61K31/44 classification 1)AMAKEM NV Address of Applicant :Life Sciences Incubator Agoralaan A (31) Priority Document No:11179491.3 (32) Priority Date :31/08/2011 bis B 3590 Diepenbeek Belgium (33) Name of priority (72)Name of Inventor : :EPO 1)ALEN Jo country

:PCT/EP2012/067016

:WO 2013/030365

:31/08/2012

:NA

:NA

:NA

:NA

(57) Abstract :

(86) International

(87) International

Publication No

Filing Date

Application Number

Filing Date (62) Divisional to

Application Number

Filing Date

(61) Patent of Addition to

Application No

The present invention relates to new kinase inhibitors more specifically ROCK inhibitors compositions in particular

pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In particular the present invention relates to new ROCK inhibitors compositions in particular pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In addition the invention relates to methods of treatment and use of said compounds in the manufacture of a medicament for the application to a number of therapeutic indications including sexual dysfunction inflammatory diseases ophthalmic diseases and respiratory diseases.

No. of Pages : 44 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

| | | 1 |
|--|----------------------|---|
| | | |
| (51) International classification | :D01G15/88,D01G15/08 | (71)Name of Applicant : |
| (31) Priority Document No | :11189094.3 | 1)NV BEKAERT SA |
| (32) Priority Date | :15/11/2011 | Address of Applicant :Bekaertstraat 2 B 8550 Zwevegem |
| (33) Name of priority country | :EPO | Belgium |
| (86) International Application No | :PCT/EP2012/069686 | (72)Name of Inventor : |
| Filing Date | :05/10/2012 | 1)ZHANG Yuning |
| (87) International Publication No | :WO 2013/072136 | |
| (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 : METALLIC CARD WIRE

(57) Abstract :

The first aspect of the invention relates to a metallic card wire (200), that is having an elongated rib portion and teeth. The teeth are comprising a front segment (220) a top segment (240) and a back segment (260). The front segment (220) comprises the connection of the tooth from the elongated rib portion and the front segment (220) includes a tip (230) which is actively taking fibres in carding. The top segment (240) is comprising at least one hunch (270) after the tip (230) in the direction of the back segment (260). If more than one hunch is present the first hunch is the hunch positioned closest to the tip; if only one hunch is present this hunch is the first hunch. The first hunch has in the hunch a minimum radius of curvature of more than 0.1 mm. The deepest point of the valley (275) between the tip (230) and the first hunch (270) has a distance from the tip in the direction perpendicular to the length of the card wire of minimum 0.03 mm. The highest point or the middle of the zone that is highest of at least one of the hunches lies within the two fictitious lines through the tip of the card wire that make an angle of 5 degrees and of +3 degrees with the longitudinal direction of the card wire. The back segment (260) is forming the connection of the top segment towards the elongated rib portion and the front segment (220) of the next tooth. The second aspect of the invention relates to a similar card wire as in the first aspect of the inventions but with one or more flattened hunches (642,644). The depth of the valley between tip and first flattened hunch (642) is preferably less than 0.15 mm. Card wires according to the first or two the second aspect of the invention can e.g. be used for cylinder and for lickerin rollers.

No. of Pages : 22 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61F5/445 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :PA 2011 70505 | 1)COLOPLAST A/S |
| (32) Priority Date | :14/09/2011 | Address of Applicant :Holtedam 1 DK 3050 Humlebaek |
| (33) Name of priority country | :Denmark | Denmark |
| (86) International Application No | :PCT/DK2012/050344 | (72)Name of Inventor : |
| Filing Date | :14/09/2012 | 1)BENDIX Jakob |
| (87) International Publication No | :WO 2013/037378 | 2)FALLEBOE Hans |
| (61) Patent of Addition to Application | :NA | 3)HOGGARTH Marcus |
| Number | :NA :NA | 4)MARELL Jeanne |
| Filing Date | .NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : A HUMAN WASTE COLLECTION BAG

(57) Abstract :

A human waste collection bag comprising a front wall facing away from the skin and a rear wall facing towards the skin the walls being made from flexible material the bag having an inlet opening for receiving human waste wherein at least the front wall has a gray or grayish color that provides low contrast to the wearer s skin.

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

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :H04L12/56 (71)Name of Applicant : (31) Priority Document No **1)ZTE CORPORATION** :201110253131.7 (32) Priority Date Address of Applicant :ZTE Plaza Keji Road South Hi Tech :30/08/2011 (33) Name of priority country Industrial Park Nanshan Shenzhen Guangdong 518057 China :China (86) International Application No :PCT/CN2012/078763 (72)Name of Inventor : Filing Date :17/07/2012 1)LI Xiaoli (87) International Publication No :WO 2013/029438 (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 : ETHERNET INTERFACE PROTECTION METHOD AND NETWORK SIDE DEVICE

(57) Abstract :

An Ethernet interface protection method and a network side device. The method comprises: a network side device acquiring a backup route of a protected interface; establishing an active and standby relationship entry of the protected interface and the backup route; establishing FRR group information according to the active and standby relationship entry; determining according to the FRR group information whether directly connected route forwarding entry information exists on the protected interface; if the directly connected route forwarding to index information of the protected interface of the FRR group information and establishing an association relationship between directly connected routes and FRR indexes of the FRR group information; and if the directly connected route forwarding entry information corresponding to an FRR backup route and the directly connected route forwarding entry information into a hardware forwarding table. The method can reduce a time overhead of packet detection thereby reducing the packet loss time and improving the expansibility and compatibility.

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

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PHOTOCATALYTIC FILM FOR SOIL FUMIGATION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A01G11/00,A01M13/00,A01M17/00 :1157730 :01/09/2011 :France :PCT/FR2012/051960 :31/08/2012 :WO 2013/030513 :NA :NA | (71)Name of Applicant : 1)ARKEMA FRANCE Address of Applicant :420 Rue dEstienne dOrves F 92700 Colombes France (72)Name of Inventor : 1)CHARLES Patrick 2)FOUILLET Thierry |
|--|--|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a photocatalytic film including at least one polymer layer (1) including at least one photocatalyst, said layer being pervious to both the vapours of at least one filmigating compound and ultraviolet radiation capable of activating the photocatalyst. The present invention also relates to a method for treatment by fumigation using said photocatalytic film and at least one fumigant.

No. of Pages : 38 No. of Claims : 18

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR INCREASING THE SHELF LIFE OF A FOOD OR AGRICULTURAL PRODUCT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :B65D81/24,B65D85/26,A23C19/16 :11180058.7 :05/09/2011 y:EPO :PCT/EP2012/067259 :05/09/2012 | 1)DSM IP Assets B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands (72)Name of Inventor : 1)HOOFT Corstiaan Johannes 2)FOLKERTSMA Baukje |
|--|--|--|
| Filing Date (87) International Publication | | 3)STROEKS Alexander Antonius Marie |
| 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 relates to packaging material and its use in the shelf life extension and quality improvement of products.

No. of Pages : 31 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CLEANING COMPOSITIONS AND SOIL CAPTURE AGENT FOR CLEANING OBJECTS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :61/530164 :01/09/2011 :U.S.A. :PCT/US2012/053071 :30/08/2012 :WO 2013/033352 :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. 2)SMITH Steven Daryl (72)Name of Inventor : 1)MCKIERNAN Robin Lynn 2)MCCHAIN Robert Joseph 3)NEAL Charles William |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A cleaning composition including a soil capture agent for cleaning objects.

No. of Pages : 41 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :G02B6/02 (71)Name of Applicant : (31) Priority Document No 1)CORNING INCORPORATED :61/535562 (32) Priority Date Address of Applicant :1 Riverfront Plaza Corning New York :16/09/2011 (33) Name of priority country :U.S.A. 14831 U.S.A. (86) International Application No :PCT/US2012/053826 (72)Name of Inventor : Filing Date :06/09/2012 **1)BENNETT Kevin Wallace** (87) International Publication No :WO 2013/039751 2)BICKHAM Scott Robertson (61) Patent of Addition to Application 3)KOROLEV Andrey Evgenievich :NA Number 4)KUKSENKOV Dmitri Vladislavovich :NA Filing Date 5)NAZAROV Vladimir Nikolaevich (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : FEW MODE OPTICAL FIBERS FOR MODE DIVISION MULTIPLEXING

(57) Abstract :

An optical fiber comprising: (i) a core (20) having a refractive index pro file; (ii) an annular cladding (50) surrounding the core; (iii) a primary coating (62) contacting and surrounding the cladding, the primary coating having an in situ modulus of less than 0.35 MPa and an in situ glass transition tem perature of less than -35° C; and (iv) a sec ondary coating (64) surrounding the primary coating, the secondary coating having an in situ modulus of greater than 1200 MPa; wherein the refractive index profile of said core is constructed to provide few mode trans mission with an LP 11 theoretical cutoff wavelength greater than 2.0 mih and an effect ive area greater than 110 microns for the LP01 mode at 1550 nm.

No. of Pages : 42 No. of Claims : 11

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : AEROSOL HAIRSPRAY PRODUCT FOR STYLING AND/OR SHAPING HAIR

| (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 | :A61K8/04,A61K8/19,A61K8/33 :11007522.3 :15/09/2011 :EPO :PCT/US2012/055102 :13/09/2012 No:WO 2013/040171 :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)BIRKEL Susanne 2)CHRISTOPOULOU Wassiliki 3)DAL B' Paolo 4)G,,NGER Klaus 5)GIESEN Bettina |
|--|--|--|
|--|--|--|

(57) Abstract :

An aerosol hairspray product for styling and/or shaping hair wherein the product comprises: a container; a spraying device; a propellant; a hairstyling formulation comprising: (a) at least about 50% water; and (b) from about 0.01% to about 20% of a hairstyling polymer wherein the hairstyling polymer is selected from the group consisting of: acrylates copolymers of two or more monomers of (meth)acrylic acid or one of their simple esters; acrylates/hydroxyesters acrylates copolymers of butyl acrylate methyl methacrylate methacrylic acid ethyl acrylate and hydroxyethyl methacrylate; polyurethane 14/AMP acrylates polymer blend; and mixtures thereof. The product comprises about 2% or less alcohol or is substantially free of alcohol and the product comprises 54% or less VOC.

No. of Pages : 49 No. of Claims : 15

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CURRENCY PROCESSING MACHINE CURRENCY PROCESSING SYSTEM CURRENCY PROCESSING METHOD AND VALUABLE MEDIUM PROCESSING 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 | :G07D11/00 :2011187154 :30/08/2011 :Japan :PCT/JP2012/068701 :24/07/2012 :WO 2013/031433 :NA :NA :NA :NA | (71)Name of Applicant : 1)GLORY LTD. Address of Applicant :3 1 Shimoteno 1 chome Himeji shi Hyogo 6708567 Japan (72)Name of Inventor : 1)TAKAYAMA Atsushi 2)TOYODA Yasutaka 3)ITO Keita |
|---|--|--|
|---|--|--|

(57) Abstract :

A currency processing machine (1) is configured such that information related to a valuable medium storea in a stor age unit (70) is input by an input unit (5). A controller (50) of the currency processing machine (1) transmits currency identification results according to an identification unit (40) and the information related t o the valuable medium input by the input unit (5) to an external device (200).

No. of Pages : 53 No. of Claims : 14

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMMUNICATION SYSTEM COMMUNICATION METHOD AND COMMUNICATION PROGRAM

| (51) International classification:H04W88/16,H04W8/26,H04W76/06(31) Priority Document No (32) Priority Date:2011216103(33) Name of priority country:Japan(86) International Filing Date:PCT/JP2012/073293(87) International Publication No (61) Patent of Addition to Filing Date:WO 2013/047200(87) International Publication No (61) Patent of Addition to Filing Date:NA :NA :NA(62) Divisional to Filing Date:NA :NA(62) Divisional to Filing Date: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)NISHIGORI Yutaka 2)IWAI Takanori |
|--|---|
|--|---|

(57) Abstract :

Provided is a communication system that does not need to capture resources in SGW or the like while ensuring mobility, and that is capable of releasing a tunnel. A first node provided in a communication system that provides packet data mobility using tunneling is equipped with a tunnel controller that releases a tunnel and deletes tunnel in formation, and a management unit that, in a case where the tunnel is released and the tunnel information is deleted, man ages and correlates an IP address allocated to a terminal for which the tunnel was setup and subscriber identification in 1 formation for that terminal.

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

(21) Application No.1417/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : FLOOR PANEL AND FLOATING FLOOR SYSTEM INCORPORATING THE SAME | | | |
|--|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :10/08/2012 | (71)Name of Applicant : 1)ARMSTRONG WORLD INDUSTRIES INC. Address of Applicant :2500 Columbia Avenue Lancaster Pennsylvania 17603 U.S.A. (72)Name of Inventor : 1)DAO Dung V. | |
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/028373 :NA :NA :NA :NA | 2)BALMER Richard H. | |

(57) Abstract :

A floor panel (10) and a floating floor system include a top surface (14) and a bottom surface (15). The top surface has a visible decorative pattern and the bottom surface has a recess (11) which extends about the periphery of the bottom surface. The recess has a recess surface. The floor panel includes a joining member (12) with a top surface and a bottom surface. The top surface of the joining member is adhered to the recess surface of the recess. The bottom surface of the joining member and the bottom surface of the floor panel are essentially flush which each other. The use of the joining member does not create any imprints on the top surface of the floor panel.

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

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SCAVENGING OXYGEN

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :PCT/GB2012/052040 :21/08/2012 | (71)Name of Applicant : 1)COLORMATRIX HOLDINGS INC. Address of Applicant :Corporation Service Company 2711 Centerville Road Suite 400 Wilmington Delaware 19808 U.S.A. (72)Name of Inventor : 1)CARMICHAEL Adrian John 2)ELKIN Andrew 3)FROST Mark 4)MOLONEY Steven John 5)OVEREND Andrew Stuart |
|--|-----------------------------------|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA :NA | 6)TATTUM Steven Burgess |
| Filing Date | :NA | |

(57) Abstract :

A container (22) includes an oxygen sensitive beverage for example a vitamin C containing beverage. A closure (40) seals the mouth (28) of container (22). The closure includes an oxygen scavenging structure for example a closure which comprises a hydrogen generating means and a catalyst for catalysing a reaction between hydrogen and oxygen.

No. of Pages : 41 No. of Claims : 32

(21) Application No.1545/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NON-ORIENTED ELECTROMAGNETIC STEEL SHEET AND METHOD FOR PRODUCING SAME

| (51) International classification:C22C38/00,C21D8/12,C22C38/14 | | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :2012075258 | 1)NIPPON STEEL & SUMITOMO METAL |
| (32) Priority Date | :29/03/2012 | CORPORATION |
| (33) Name of priority country | :Japan | Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku |
| (86) International Application | :PCT/JP2013/058999 | Tokyo 1008071 Japan |
| No | :27/03/2013 | (72)Name of Inventor : |
| Filing Date | .27/03/2013 | 1)NATORI Yoshiaki |
| (87) International Publication | :WO 2013/146879 | 2)MURAKAMI Kenichi |
| No | . WO 2013/1408/9 | 3)WAKISAKA Takeaki |
| (61) Patent of Addition to | :NA | 4)MOGI Hisashi |
| Application Number | :NA :NA | 5)MATSUMOTO Takuya |
| Filing Date | .INA | 6)SHONO Tomoji |
| (62) Divisional to Application | :NA | 7)TAKASE Tatsuya |
| Number | :NA :NA | 8)TAKAOBUSHI Junichi |
| Filing Date | .1\A | |

(57) Abstract :

THIS NON-ORIENTED ELECTROMAGNENC STEEL SHEET CONTAINS, IN MASS%, FROM 0.0001% T O 0.0040% (INCLUSIVE) OF C , MORE THAN 3.0% BUT 3.7% OR LESS OF SI, FROM 0.3% T O 1.0% (INCLUSIVE) OF SOL. AL, FROM 0.5% T O 1.5% (INCLUSIVE) OF MN, FROM 0.005% TO 0 . 1% (INCLUSIVE) O F SN, FROM 0.0001% T O 0.0030% (INCLUSIVE) OF TI, FROM 0.0001% T O 0.0020% (INCLUSIVE) OF S, FROM 0.0001% T O 0.003% (INCLUSIVE) OF N, FROM 0.001% T O 0.2% (INCLUSIVE) OF NI, AND FROM 0.005% T O 0.05% (INCLUSIVE) OF P , WITH THE BALANCE MADE UP ONLY OF FE AND IMPURITIES. THIS NON-ORIENTED ELECTROMAGNETIC STEEL SHEET HAS A RESISTIVITY P > 60 MWOIH AND A SATURATION MAGNETIC FLUX DENSITY B S 3 1.945T AT ROOM TEMPERATURE, AND SATISFIES 3.5 < SI + (2/3) SOL. A L (1/5) M N < 4.25 WITH RESPECT TO THE ABOVEMENTIONED COMPONENTS.

No. of Pages : 32 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : OPTICAL SYSTEM FOR DETECTING THE STATE OF WINDING OF A CABLE ON A WINCH

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :11/02671 :02/09/2011 :France | (71)Name of Applicant : THALES Address of Applicant :45 rue de Villiers F 92200 Neuilly Sur Seine France (72)Name of Inventor : ROLLAND Yves Manuel Alain |
|---|-------------------------------------|---|
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| | .111 | |

(57) Abstract :

System allowing automatic direction of the end of winding of a cable (11) on a winch. The System com prises an optical detector (14) which emits in the direction of the cable a light beam (13) which illumintes a given zone through which the cable travels in the course of its winding. The detector is associated with a spcific marking (16), strongly reflecting, positioned on a section of the cable close to its end, in such a way that when this section enters the zone illuminated by the detector it reflects the beam towards the de - tector which detects this reflected beam and which then si gnais that the cable is practically at the end of winding. The detector, placed in a fixed position at a given distance from the cable, is also associated with a luminous waveguide (31, 51) interposed between the cable and the optical detector.

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

| (12) PATENT APPLICATION PUBLICATION (19) INDIA | | (21) Application No.1442/DELNP/2014 A | |
|---|--|--|--|
| | | (43) Publication Date : 30/01/2015 | |
| (54) Title of the invention : MODULAR COOLANT JACKET FOR ROLLING MILLS AND ROLLING MILL LAYING HEAD COMPRISING SUCH A COOLANT JACKET | | | |
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B21C47/14 :13/230021 :12/09/2011 :U.S.A. :PCT/US2012/052618 :28/08/2012 :WO 2013/039683 :NA :NA :NA :NA | (71)Name of Applicant : 1)SIEMENS INDUSTRY INC. Address of Applicant :3333 Old Milton Parkway Alpharetta Georgia 30005 4437 U.S.A. (72)Name of Inventor : 1)TITUS David G. 2)DAUPHINAIS Raymond P. 3)MOORE Daryl L. | |

(57) Abstract :

A modular coolant water jacket has a coolant tube cartridge portion (60) and a selectively separable outer flange portion (50). Separation of the larger diameter outer flange portion from the cartridge portion facilitates axially oriented insertion and removal of the cartridge tube portion in radially confined spaces. Modular construction also facilitates reuse of the outer flange portion and replacement of only a worn cartridge tube portion.

No. of Pages : 30 No. of Claims : 20

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MICROBUBBLE COMPLEXES 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 (61) Patent of Addition to Application Number Filing Date | :A61K41/00,A61K4//48,C12N15/8/ :13/235890 :19/09/2011 :U.S.A. :PCT/EP2012/068288 :18/09/2012 | (71)Name of Applicant : GENERAL ELECTRIC COMPANY Address of Applicant :1 River Road Schenectady New York 12345 U.S.A. (72)Name of Inventor : SOOD Anup ROTHMAN James E. LOWERY Lisa BURCZAK John LIM Hae Won MOHAN Praveena |
|--|---|---|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a microbubble complex comprising a microbubble having an outer shell comprising a mixture of native and denatured albumin encapsulating a perfiuorocarbon gas a therapeutic agent a bifunctional linker having one end attached to the therapeutic agent and the other attached to a ligand and wherein the ligand is bound to the other shell of the microbubble through hydrophobic interactions. Also included are methods for delivering the aforementioned microbubble complex to a tissue target.

No. of Pages : 36 No. of Claims : 17

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : METHOD FOR PRODUCING CEMENT | | | |
|--|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C04B7/38,C02F11/00,C04B7/44 :201110256138.4 :31/08/2011 :China :PCT/JP2012/072006 :30/08/2012 :WO 2013/031892 :NA :NA :NA | (71)Name of Applicant : 1)MITSUBISHI MATERIALS CORPORATION Address of Applicant :3 2 Otemachi 1 chome Chiyoda ku Tokyo 1008117 Japan (72)Name of Inventor : 1)TANAKA Hisanobu 2)YAMASHITA Makio 3)TSUJI Kazuhide 4)NAKAMURA Toshihiko | |

(57) Abstract :

This cement manufacturing method is a cement manufacturing method for manufacturing cement clinker by burning a cement starting material charged from a kiln back part (2) into a cement kiln (1) the interior of which is held under a high temperature atmosphere of 1400°C or higher by a flame from a main burner (5) provided at a kiln front (4) while sending the cement starting material to the kiln front (4) side. By charging an amount of dry sludge that compensates for the amount of change of PO in the cement starting material or the amount of change of PO contained in the manufactured cement clinker into the cement kiln (1) the amount of PO contained in the cement clinker is controlled within the range of 0.3 1.0 percent by weight.

No. of Pages : 23 No. of Claims : 6

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEMS AND METHODS FOR IMPROVING FLUX IN OSMOTICALLY DRIVEN MEMBRANE SYSTEMS

| (51) International classification :B01D (31) Priority Document No :61/51 (32) Priority Date :03/08 (33) Name of priority country :U.S.A | 14661 8/2011 | (71)Name of Applicant : 1)OASYS WATER INC. Address of Applicant :2 Drydock Avenue 7th Floor Boston MA 02210 U.S.A. |
|---|---|---|
| No Filing Date :31/07 (87) International Publication | /US2012/049042 7/2012 2013/019812 | (72)Name of Inventor : 1)MCGINNIS Robert |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date :NA | | |

(57) Abstract :

The invention relates to improving flux in osmotically driven membrane systems by promoting and controlling the growth of biofilms on a surface of the membrane.

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

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :B67D1/00,B67D1/12,B01D15/04 (71)Name of Applicant : :13/223576 (31) Priority Document No 1)GLOBAL AGRICULTURAL TECHNOLOGY AND (32) Priority Date :01/09/2011 ENGINEERING LLC (33) Name of priority country Address of Applicant :3490 Marsha Lane Vero Beach FL :U.S.A. (86) International Application 32967 U.S.A. :PCT/US2012/052636 No (72)Name of Inventor : :28/08/2012 Filing Date 1)NEWTON John R. (87) International Publication 2)CHENEY Michael E. :WO 2013/033079 No 3)BROOKE Peter J. (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(54) Title of the invention : FLUID MIXING AND DELIVERY SYSTEM

(57) Abstract :

A system is disclosed for precisely metering and mixing fluids at variable mix rations and for delivering the resulting fluid mixtures at the same substantially constant flow rates. The system comprises a mixing chamber; a first supply line for supplying a first fluid component to the mixing chamber via a first CFValve and a downstream first metering orifice; a second supply line for supplying a second fluid component to said mixing chamber via a second CFValve and a downstream second metering orifice with the first and second fluid components being combined in the mixing chamber to produce a fluid mixture; and a discharge line leading from the mixing chamber and through which the fluid mixture is delivered to a dispensing valve. The discharge line when the dispensing valve is open having a maximum flow rate lower than the combined minimum flow rates of the first and second CFValves thereby creating a fluid back pressure in the mixing chamber and in the first and second supply lines downstream of their respective first and second CFValves. The size of the first metering orifice is adjustable to change the flow rate of the first fluid component being fed to the mixing chamber thereby changing the fluid back pressure in the mixing chamber and in the mixing chamber and in the first and second Supply lines downstream of their respective first and second CFValves. The size of the first metering orifice is adjustable to change the flow rate of the first supply line with an accompanying inverse change to the flow rate of the second fluid component being delivered through said second CFValve.

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

(22) Date of filing of Application :25/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR ACTIVATING A MOBILE DEVICE TO INITIATE A COMMUNICATION

| (51) International classification | :G06F13/14.H04L12/66 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :2011054947 | 1)SMART HUB PTE. LTD. |
| (32) Priority Date | :29/07/2011 | Address of Applicant :100 Beach Road #25 06 Shaw Towers |
| (33) Name of priority country | :Singapore | Singapore 189702 Singapore |
| (86) International Application No | :PCT/SG2012/000271 | (72)Name of Inventor : |
| Filing Date | :26/07/2012 | 1)IBASCO Alex D. |
| (87) International Publication No | :WO 2013/019160 | 2)JOSON Eduardo Ramon G. |
| (61) Patent of Addition to Application | :NA | 3)YU William Emmanuel S. |
| Number | :NA | 4)SOLIS Lorenzo Angelo M. |
| Filing Date | .117 | 5)VILLARICA Rodolfo Alberto A. |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A system and method for activating a mobile device to initiate a communication directed to a target device is disclosed. The system and method may be implemented via a computing device arranged to send a request for activating the mobile device to initiate a communication the request comprising a unique identifier of the target device; an unique identifier of the mobile device and contextual information relating to the communication; wherein the mobile device is arranged to receive the request to initiate the communication and upon receiving the request parses and executes the request depending on the nature of the communication channel between the mobile device and target device.

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

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PREPARING PERSONAL CARE COMPOSITION COMPRISING SURFACTANT SYSTEM AND HIGH MELTING POINT FATTY 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 | :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)OKADA Toshiyuki 2)MAEDA Shoko |
|--|------------|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed is a method of preparing a personal care composition comprising a step of mixing a hot oil phase and a cold aqueous phase in a high shear field to form an emulsion wherein the mixing step is conducted by using a homogenizer having a rotating member wherein the oil phase contains from 0 to about 50% of the aqueous carrier by weight of the oil phase and wherein the temperature of the emulsion when formed is from about 10C to about 40C.

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

(21) Application No.1507/DELNP/2014 A

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : HAIR OIL USING OIL BASED GEL COMPOSITION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (36) International Application No Filing Date (87) International Publication No:WO 2013/031496 (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (32) Priority Date (33) Name of priority country (34) Patent of Addition to (51) Patent of Addition to (52) Divisional to Application (53) NA (54) NA (55) NA (55) NA (52) Divisional to Application (53) NA (54) NA (55) NA (55) NA (56) Divisional to Application (57) NA (58) NA (59) NA | 51K8/37 (71)Name of Applicant : 1)DAICEL CORPORATION Address of Applicant :3 4 5 Umeda Kita ku Osaka shi Osaka 5300001 Japan 2)NIHON UNIVERSITY (72)Name of Inventor : 1)SAKANISHI Yuichi 2)HASHIZAKI Kaname 3)SAITO Yoshihiro 4)TAGUCHI Hiroyuki |
|--|--|
|--|--|

(57) Abstract :

Provided is a hair oil that spreads smoothly, gives a soft and light finish, and satisfactorily effectively imparts a moist feel, easiness of styling, and a glossy feel to the hair. The provided hair oil includes an oil-based gel-like composition including a gel-forming agent and an oil-phase component, in which: the gel-forming agent includes a lecithin; and at least one selected from a polyglycerol and a polyglycerol fatty acid ester in an amount (total amount) of from 5 to 100 percent by weight per 100 percent by weight of the lecithin; the polyglycerol has a degree of polymerization of from 2 to 20; and the polyglycerol fatty acid ester has a fatty acid residue having 14 or less carbon atoms, has an HLB of 15 or more as calculated based on an organic conceptual diagram, and has a degree of polymerization of from 8 to 40.

No. of Pages : 28 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :B01J23/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/530108 | 1)ADVANCED REFINING TECHNOLOGIES LLC |
| (32) Priority Date | :01/09/2011 | Address of Applicant :7500 Grace Drive Columbia MD 21044 |
| (33) Name of priority country | :U.S.A. | U.S.A. |
| (86) International Application No | :PCT/US2012/049415 | (72)Name of Inventor : |
| Filing Date | :03/08/2012 | 1)KLEIN Darryl P. |
| (87) International Publication No | :WO 2013/032628 | 2)CHEN Nan |
| (61) Patent of Addition to Application | :NA | 3)WOODS Matthew P. |
| Number | | 4)NESCI Bruno |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : CATALYST SUPPORT AND CATALYSTS PREPARED THEREFROM

(57) Abstract :

A supported catalyst useful in processes for chemically refining hydrocarbon feedstocks the catalyst comprising a metal from Group 6 a metal from Group 8 and optionally phosphorous wherein the carrier or support comprises porous alumina comprising: (a) equal to or greater than about 78 % to about 95 % of TPV in pores having a diameter of less than about 200 Angstroms (A); (b) greater than about 2 % to less than about 19 % of the TPV in pores having a diameter of about 200 to less than about 1000 A; (c) equal to or greater than 3 % to less than 12 % of the TPV in pores having a diameter equal to or greater than about 1000 A.

No. of Pages : 64 No. of Claims : 15

| (12) PATENT APPLICATION PUBLICATION | |
|-------------------------------------|--|
| (19) INDIA | |

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : VINYL CHLORIDE RESIN COMPOSITION

| (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 | n :C08L27/06,A61J1/10,A61L29/00 :2011189494 :31/08/2011 :Japan :PCT/JP2012/071434 :24/08/2012 :WO 2013/031683 :NA :NA :NA | (71)Name of Applicant : 1)RIKEN TECHNOS CORPORATION Address of Applicant :11 5 Nihonbashi honcho 3 chomeChuo ku Tokyo 1038438 Japan (72)Name of Inventor : 1)SAKAI Koji |
|---|--|--|
|---|--|--|

(57) Abstract :

To provide a vinyl chloride resm composition which has excellent thermal stability and workability and can be eluted to a less extent. [Solution] A vinyl chloride resin composition comprising 100 parts by weight of a vinyl chloride resin, 10 t o 120 parts by weight of a di -ethylhexyl) terephthalate, and 0.5 t o 20 parts by weight of an epoxidized plant oil having a per oxide value of 5 or less.

No. of Pages : 22 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE AND METHOD FOR CONTROLLING A MOUNTING KEY

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :G01L25/00,B25B23/14 :10 2011 084 008.7 :05/10/2011 :Germany :PCT/EP2012/068747 :24/09/2012 :WO 2013/050266 :NA :NA :NA | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart (72)Name of Inventor : 1)NIEHAGE Norbert 2)LEMKE Gerhard 3)HOSS Reinhard 4)REYER Howard 5)BELKE Christian |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| | | • |

(57) Abstract :

The invention relates to a method for controlling a mounting key (2) having an integrated angle measuring device, comprising the steps of: fixing the mounting key (2) in a rotatable fixing device (8); activating the angle measuring device which is integrated into the mounting key (2); rotating the fixing device (8) by at least a defined angle; reading the angle of rotation measured by the angle measuring device, which is integrated into the mounting key (2); and comparing the angle of rotation measured by the angle measuring device, which is integrated into the mounting key (2); with the defined angle, by which the fixing device (8) has been rotated.

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

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD OF SURFACING A SURFACE OF A SPECTACLE LENS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B24B13/06,G05B19/416 :1157751 :01/09/2011 :France :PCT/FR2012/051921 :22/08/2012 :WO 2013/030495 :NA :NA :NA | (71)Name of Applicant : 1)ESSILOR INTERNATIONAL (COMPAGNIE G‰N‰RALE DOPTIQUE) Address of Applicant :147 rue de Paris F 94220 Charenton le pont France (72)Name of Inventor : 1)BULTEZ Xavier |
|---|--|--|
| Filing Date | :NA | |

(57) Abstract :

The invention concerns a method of surfacing a surface of a spectacle lens, comprising a step of determining a fixed rotation speed (Vrot) of said lens based on geometric characteristics of said surface, characterised in that the step of determining the rotation speed (Vrot) comprises the following steps: generating (102), based on the geometric characteristics of said surface (12), a file of geometric altitude values of said surface, said file being centred on a zero geometric altitude value at a predetermined reference point; determining (103) a value representative of the greatest difference (MaxHk) in geometric altitude values on said surface; deducing (107) the rotation speed (Vrot) from said value of the greatest difference (MaxHk) in geometric altitude values on said surface and from a geometric value of the cylinder at a predetermined far-vision control point. 1

No. of Pages : 30 No. of Claims : 14

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ESTIMATING AND OPTIMIZING COST SAVINGS FOR LARGE SCALE DEPLOYMENTS USING LOAD PROFILE OPTIMIZATION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :G06Q10/06,G06Q50/10 :61/588267 :19/01/2012 :U.S.A. :PCT/US2012/053510 :31/08/2012 :WO 2013/109313 :NA :NA :NA :NA | (71)Name of Applicant : 1)HUNT ENERGY IQ LP Address of Applicant :1900 N. Akard St. Dallas Texas 75201 U.S.A. (72)Name of Inventor : 1)BURKE Robert |
|---|--|--|
|---|--|--|

(57) Abstract :

A system computer implemented method and a computer program product are provided for estimating and optimizing cost savings for large scale deployments using load profile optimization. Selections are received via a user interface of a primary load profile and multiple secondary load profiles. The primary load profile is input from a first external source and the multiple secondary load profiles are input from a second external source. The primary load profile is compared with the multiple secondary load profiles. The comparisons of the primary load profile and the multiple secondary load profiles are output via the user interface.

No. of Pages : 36 No. of Claims : 20

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MANAGEMENT MODELING LANGUAGE

| (31) Priority Document No (32) Priority Date (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:G06F17/00,G06F9/44,G06Q50/06 :13/223632 :01/09/2011 :U.S.A. :PCT/US2012/051886 :22/08/2012 :WO 2013/032814 :NA :NA | (71)Name of Applicant : 1)HUNT ENERGY IQ LP Address of Applicant :1900 N. Akard St. Dallas Texas 75201 U.S.A. (72)Name of Inventor : 1)BURKE Robert James |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A system computer implemented method and a computer program product are provided for an energy management modeling language. Selections of a location a time a first variable identifier a second variable identifier a third variable identifier and text that specifies a transform based on an energy management modeling language primitive are received via a user interface. The first variable identifier the second variable identifier and the third variable identifier are reformatted based on the location and the time. The transform is executed based on the reformatted first variable and the reformatted second variable to create a result. The result is output based on the reformatted third variable.

No. of Pages : 30 No. of Claims : 20

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

HIGHLY PURIFIED LUTEIN/XANTHOPHYLLS OBTAINED FROM THE METHOD THEREOF (51) International classification :C07C403/24 (71)Name of Applicant : 1)PTT GLOBAL CHEMICAL PUBLIC COMPANY (31) Priority Document No :1101001774 (32) Priority Date :26/08/2011 LIMITED (33) Name of priority country :Thailand Address of Applicant :555/1 Energy Complex Building A 14th (86) International Application No :PCT/TH2012/000037 18th Floor Vibhavadi Rangsit Road Chatuchak Chatuchak Bangkok 10900 Thailand Filing Date :24/08/2012 (87) International Publication No :WO 2013/032412 2)CHULALONGKORN UNIVERSITY (61) Patent of Addition to Application (72)Name of Inventor : :NA Number **1)PRASITCHOKE Phathanon** :NA Filing Date 2)CHANDAVASU Chava (62) Divisional to Application Number :NA **3)SHOTIPRUK Artiwan** Filing Date :NA 4)BOONNOUN Panatpong

(54) Title of the invention : METHOD OF EXTRACTING LUTEIN/XANTHOPHYLLS FROM NATURAL MATERIALS AND

(57) Abstract :

The present invention provides the new method for extracting lutein from natural materials wherein the said method comprises of modification of natural lutein ester in the natural materials to free lutein and/or low molecular weight lutein ester extraction of the said natural materials with supercritical fluid at the optimal conditions. The said method yields high amount of crude lutein with high purity due to the mild condition used for extraction. Therefore no degradation of the desired product is occurred. The crude lutein can be further purified with chromatography in order to obtain the highly purified lutein. The method according to this invention can be applied to the extraction of xanthophylls or others beside lutein.

No. of Pages : 13 No. of Claims : 15

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : 2 - CARBOXAMIDE CYCLOAMINO UREA DERIVATIVES IN COMBINATION WITH HSP90 INHIBITORS FOR THE TREATMENT OF PROLIFERATIVE DISEASES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K31/428,A61K31/4439,A61K31/49/ : 61/547308 :14/10/2011 :U.S.A. :PCT/EP2012/070171 :11/10/2012 :WO 2013/053833 | (71)Name of Applicant : 1)NOVARTIS AG Address of Applicant :Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor : 1)HUANG Xizhong 2)QUADT Cornelia 3)WANG Hui Qin 4)FRITSCH Christine 5)SCHNELL Christian Ren |
|---|---|---|
|---|---|---|

(57) Abstract :

The present invention relates to a pharmaceutical combination comprising a 2-carboxamide cycloamino urea derivat ive compound of formula (I) and inhibitors of Heat Shock Protein 90, and the uses of such combinations in the treatment of prolifer - ative diseases, more specifically PI3K dependent diseases, more specifically PI3K-alpha dependent diseases.

No. of Pages : 48 No. of Claims : 15

(21) Application No.1458/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ABUSE-RESISTANT MUCOADHESIVE DEVICES FOR DELIVERY OF BUPRENORPHINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :61/525094 :18/08/2011 :U.S.A. | (71)Name of Applicant : 1)BIODELIVERY SCIENCES INTERNATIONAL INC. Address of Applicant :801 Corporate Center Drive Suite #210 Raleigh NC 27607 U.S.A. (72)Name of Inventor : 1)FINN Andrew |
|--|--------------------------------------|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :WO 2013/026064 :NA :NA | 2)VASISHT Niraj |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention provides abuse deterrent mucoadhesive devices for delivery of buprenorphine. Each device comprises a mucoadhesive layer and a backing layer, and the pH in each layer is selected, such that absorption of buprenorphine is maximized.

No. of Pages : 39 No. of Claims : 8

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DYNAMIC POWER SCALING OF AN INTERMEDIATE SYMBOL BUFFER ASSOCIATED WITH COVARIANCE COMPUTATIONS

(57) Abstract :

An intermediate symbol buffer (ISB) configuration and method is provided such that the ISB memory comprises 15 portions one for each HSDPA spreading code. Symbols associated with a spreading code are written to the memory portion associated with the same spreading code. When a covariance calculation is performed to obtain a more accurate channel estimate only the symbols associated with spreading codes determined to be needed for the covariance calculation are written to the ISB by a buffer block and red from the ISB by a correlation core. The symbols associated with spreading codes that are not necessary for a covariance calculation may be masked from being written or read from the ISB. In some embodiments each memory portion is an individual memory block. In other embodiments a plurality of memory blocks may contain a plurality of memory portions one memory partition designated at least temporarily or each spreading code.

No. of Pages : 34 No. of Claims : 18

(21) Application No.1582/DELNP/2014 A

(19) INDIA(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :B29C70/30,B29C33/76 | (71)Name of Applicant : |
|--|----------------------|--|
| (31) Priority Document No | :13/204468 | 1)COMPOSITES HORIZONS LLC |
| (32) Priority Date | :05/08/2011 | Address of Applicant :1471 Industrial Park Street Covina |
| (33) Name of priority country | :U.S.A. | California 91722 3499 U.S.A. |
| (86) International Application No | :PCT/US2012/029771 | (72)Name of Inventor : |
| Filing Date | :20/03/2012 | 1)SNYDER Kevin |
| (87) International Publication No | :WO 2013/022489 | 2)DIEM Dennis |
| (61) Patent of Addition to Application | :NA | 3)HYNES Jeffrey |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | I |

(54) Title of the invention : MANDREL WITH SLIDING EXTERIOR PROJECTION

(57) Abstract :

A mandrel 10 suitable for forming a hollow part from a heat curable material includes an (a) an elongate central member 12 having a coefficient of expansion which is different than the coefficient of expansion of the cured heat curable material (b) at least one lateral member 14 disposed at a first location 28 and projecting away from the outer surface 24 of the central member 12 the lateral member 14 being slidably attached to the central member 12 and (c) a rigid elongate strut member 16 having a coefficient of expansion substantially similar to the coefficient of expansion of the cured heat curable material. The first end 34 of the strut member 16 is affixed to the lateral member 14 and the second end 36 of the strut member 16 is affixed spaced apart from the lateral member 14.

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

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :E04G21/04 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :201110240476.9 | 1)HUNAN SANY INTELLIGENT CONTROL |
| (32) Priority Date | :19/08/2011 | EQUIPMENT CO. LTD |
| (33) Name of priority country | :China | Address of Applicant :Sany Industry Town Economic and |
| (86) International Application No | :PCT/CN2012/074113 | Technological Development Zone Changsha Hunan 410100 China |
| Filing Date | :16/04/2012 | 2)SANY HEAVY INDUSTRY CO. LTD |
| (87) International Publication No | :WO 2013/026279 | (72)Name of Inventor : |
| (61) Patent of Addition to Application | :NA | 1)YI Xiaogang |
| Number | :NA :NA | 2)XIE Shihui |
| Filing Date | INA | 3)TAN Haibo |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : CONCRETE PUMP TRUCK AND ARM STAND DEVICE THEREOF

(57) Abstract :

An arm stand device for a concrete pump truck and a concrete pump truck comprising the arm stand device. The arm stand device comprises a plurality of arm stands and the plurality of arm stands comprises a first arm stand (21) hinged with a rotary table (1) of the concrete pump truck and a second arm stand (22) hinged with the first arm stand (21). In a folded state the first arm stand (21) is disposed at a side of the rotary table (1) close to a driving cab (3) of the concrete pump truck and the second arm stand (22) is further hinged above the first arm stand (21). The structure design of the arm stand device enables the first arm stand and the second arm stand to be unfolded at the same time in one aspect enables the gravity center of the entire truck to move forward in another aspect and extends the last two arm stands of the arm stand device in still another aspect.

No. of Pages : 21 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A61B18/14 :10 2011 053 682.5 :16/09/2011 :Germany :PCT/EP2012/068158 :14/09/2012 :WO 2013/037975 :NA :NA | (71)Name of Applicant : 1)AESCULAP AG Address of Applicant : Am Aesculap Platz 78532 Tuttlingen Germany (72)Name of Inventor : 1)LUTZE Theodor 2)KELLER Anton 3)WEISSHAUPT Dieter 4)EICK Stefan 5)ROTHWEILER Christoph |
|---|---|---|
| Number Filing Date | | |
| (62) Divisional to Application Number Filing Date | :NA :NA | 6)HERNER Eugen |

(54) Title of the invention : ELECTROSURGICAL INSTRUMENT

(57) Abstract :

The invention relates to an electrosurgical Instrument with a proximal end and a distal end, comprising a jaw part arrangement at the distal end which has a first jaw part and a second jaw part movable relative thereto, wherein the jaw parts are transferable relative to one another from an opening position into a gripping position, in which they are closer to one another than in the opening position. Each jaw part has at least one electrode that can be connected to an electrical energy source and electrodes of the two jaw parts can cooperate with one another to seal body tissue held between the jaw parts in the gripping position. The electrosurgical Instrument further comprises an actuating device for transferring the jaw parts from the opening position to the gripping position, and a device for limiting the closing width of the jaw parts when they are transferred from the opening position to the gripping position. Said device comprises a plurality of limiting elements, a maximum of two limiting elements being arranged on one jaw part. Said limiting elements are designed as electrically insulating spacer members projecting from the jaw part in the o direction of the other jaw part over a sealing surface formed by the at least one electrode of the jaw part, at least one spacer member being arranged at the distal end of the jaw part arrangement.

No. of Pages : 42 No. of Claims : 25

(21) Application No.1555/DELNP/2014 A

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DECORATIVE PART FOR MOTOR VEHICLES

| classification (31) Priority Document No (32) Priority Date (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/EP2012/003624 :29/08/2012 :WO 2013/034259 :NA :NA | (71)Name of Applicant : 1)OERLIKON TRADING AG TRBBACH Address of Applicant :Hauptstrasse 53 CH 9477 Tr¹/4bbach Switzerland (72)Name of Inventor : 1)RIBEIRO Carlos 2)BAUER Sascha |
|--|--|--|
| (62) Divisional to Application | :NA :NA | |

(57) Abstract :

The present invention relates to a decorative part, comprising an electroplated layer array applied to a plastic substrate. On the electroplated layer array, a PVD layer array having an adhesive layer, a mixed layer and a color-providing cover layer is provided, wherein the mixed layer provides for durability, in particular corrosion protection, and the necessary hardness of the surface.

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

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS AND METHOD FOR CONTACTING A GAS AND LIQUID

| (31) Priority Document No (32) Priority Date (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 | 2007250 10/08/2011 Netherlands | (71)Name of Applicant : 1)VAN DUIJN Albert Address of Applicant :24 Bospad NL 2374 BT Oude Ade Netherlands (72)Name of Inventor : 1)VAN DUIJN Albert |
|---|--------------------------------------|---|
|---|--------------------------------------|---|

(57) Abstract :

A gas and a liquid are contacted in an apparatus comprising a housing provided with: a liquid supply; at least two inclined plates that have been arranged in series and that are on a liquid side in fluid communication with the liquid supply; and a gas supply that is in fluid communication with a space at the other gas side of the plates; wherein at least some of the plates preferably all plates are provided with gas passage openings which openings have been arranged downstream of the gas supply and have been provided with projecting channels with downstream directed flow openings on the liquid side that is in contact with the liquid; and wherein the plates are configured such that liquid flows from one plate directly onto a downstream plate via a slit formed passage in a substantially vertical downwards direction.

No. of Pages : 25 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :05/03/2014

(54) Title of the invention : LARGE FLUSH TOILET

(43) Publication Date : 30/01/2015

| (51) International classification | :E03D11/02,E03D5/10 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :2011229464 | 1)LIXIL CORPORATION |
| (32) Priority Date | :19/10/2011 | Address of Applicant :1 1 Ojima 2 chome Koto ku Tokyo |
| (33) Name of priority country | :Japan | 1368535 Japan |
| (86) International Application No | :PCT/JP2012/076193 | (72)Name of Inventor : |
| Filing Date | :10/10/2012 | 1)MIWA Koji |
| (87) International Publication No | :WO 2013/058149 | |
| (61) Patent of Addition to Application | :NA | |
| Number | .NA :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Provided is a large flush toilet wherein it is possible to efficiently clean the toilet during a power outage. A large flush toilet is provided with: a toilet main body (10) having a toilet bowl (11); a toilet device (30) which is driven by using commercial power (P) as the power source and which is attached to the toilet main body (10), examples of the toilet device (30) including a human detection sensor (32A), a local cleaning device (31), and a warm toilet seat (21); and a toilet cleaning device (50) which is driven by using a battery (55) as the power source and which supplies cleaning water to the toilet bowl

No. of Pages : 17 No. of Claims : 5

(21) Application No.1580/DELNP/2014 A

(19) INDIA(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : FILLED SILICONE COMPOSITIONS PREPARATIONS 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 | :61/515563 :05/08/2011 :U.S.A. :PCT/US2012/045367 :03/07/2012 :WO 2013/022532 :NA :NA | (71)Name of Applicant : 1)DOW CORNING CORPORATION Address of Applicant :2200 West Salzburg Road Midland MI 48686 0994 U.S.A. (72)Name of Inventor : 1)ALEXANDER Andrea 2)GALBRAITH Thomas |
|---|--|--|
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(57) Abstract :

This invention comprises filled silicone compositions initially having a slump of at least 2.5 millimeters when tested as described in ASTM D2202 00(2010) except temperature shall be 25 degrees Celsius and time shall be 5 minutes and a method of preparing and uses of the composition.

No. of Pages : 37 No. of Claims : 16

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SEPARATING MECHANISM FOR SEPARATING CIRCULAR BLADE AND/OR SPACER HANDLING ROBOT STORAGE STAND AND SEPARATING METHOD

| :B23D33/00,B23D19/06 :NA :- : :PCT/JP2012/062793 :18/05/2012 :WO 2013/171897 :NA :NA :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMIKIN TEXENG. CO. LTD. Address of Applicant :5 2 Marunouchi 2 chome Chiyoda ku Tokyo 1000005 Japan (72)Name of Inventor : 1)FUSHITA Tadasuke 2)HASEGAWA Kenichi |
|---|--|
| :NA :NA | |
| | :NA :- : :PCT/JP2012/062793 :18/05/2012 :WO 2013/171897 :NA :NA :NA |

(57) Abstract :

The purpose of the invention is to provide a circular blade and/or spacer separating mechanism a handling robot a storage stand and a separation method with which it is possible to retrieve only the number of circular blades or spacers intended to be retrieved using the handling robot and the circular blades and spacers that do not need to be separated can be reliably left on the storage stand. The separating mechanism is characterized: in being provided with a handling robot which has fingers (F1,F2) that grip a circular blade (C1) and a holding means (4) for holding the position of a circular blade (C2) that is adjacent to the circular blade (C1) that is to be gripped by the fingers (F1 F2); and in the handling robot separating the circular blade (C1) that is being gripped by the fingers (F1,F2) by sliding same along the end face (CE2) of the adjacent circular blade (C2) that is being held by the holding means (4).

No. of Pages : 71 No. of Claims : 28

(22) Date of filing of Application :03/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : VENT ASSEMBLIES FOR ELECTROCHEMICAL DOUBLE LAYER CAPACITORS

| (51) Internationalclassification(31) Priority Document No(32) Priority Date | :H01G11/18,H01G11/78,H01G2/08 :61/541521 :30/09/2011 | (71)Name of Applicant : 1)CORNING INCORPORATED Address of Applicant :1 Riverfront Plaza Corning New York 14831 U.S.A. |
|--|--|--|
| (33) Name of priority country | | (72)Name of Inventor : |
| (86) International Application No Filing Date | :28/09/2012 | 1)WETHERILL Todd Marshall |
| (87) International Publication No | :WO 2013/049429 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A container of an electrochemical double layer capacitor includes a housing a cap portion adapted to be coupled the housing an orifice passing through one of the housing or the cap portion and a vent assembly in fluid communication with the container and secured within the orifice. The housing and the cap portion define an interior envelope of the container and at least a portion of the vent assembly is located inside the interior envelope of the container.

No. of Pages : 19 No. of Claims : 26

(21) Application No.16/DELNP/2014 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : LONG ACTING GLP 1/GLUCAGON RECEPTOR AGONISTS

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication | ¹ :PCT/US2012/040744 :04/06/2012 | (71)Name of Applicant : 1)PROLOR BIOTECH INC. Address of Applicant :7 Golda Meyer Street Weizmann Science Park 74140 Nes Ziona Israel (72)Name of Inventor : 1)FIMA Udi Eyal 2)HERSHKOVITZ Oren |
|--|--|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

Pegylated and reverse pegylated GLP l/Glucaron receptor agonists including pharmaceutical compositions comprising the same and methods of using the same are disclosed.

No. of Pages : 88 No. of Claims : 39

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : GASIFICATION REACTOR (51) International classification :F01K13/02,F01K17/04,C10J3/00 (71)Name of Applicant : (31) Priority Document No :11181992.6 1)SHELL INTERNATIONALE RESEARCH (32) Priority Date :20/09/2011 MAATSCHAPPIJ B.V. (33) Name of priority country Address of Applicant : Carel van Bylandtlaan 30 NL 2596 HR :EPO (86) International Application The Hague Netherlands :PCT/EP2012/068385 2)SHELL OIL COMPANY No :19/09/2012 (72)Name of Inventor : Filing Date (87) International Publication 1)KAR Ibrahim :WO 2013/041543 No 2)SCHMITZ GOEB Manfred (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A process and a reactor for the of a carbonaceous feed. The reactor comprises: a reactor chamber (2); steam generating heat exchange units (3 15 16); at least one steam drum (20); and recirculation lines for circulating water and steam between one or more of the heat exchange units (3 15 16) and the steam drum (20). The steam drum further comprises a steam feed line (28) for transporting steam via a heat exchange unit (15) and a superheated steam line (30) to a superheated steam header (32). The superheated steam line is split into a return line (33) leading to a heat exchange line (35) through the steam drum and a header feed line (34).

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

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SEMICONDUCTOR MATERIAL OPTICAL HYDROGEN GENERATING DEVICE USING SAME AND METHOD OF PRODUCING HYDROGEN

| (51) International classification:B01J27/24,B01J23/20,B01J35/02(31) Priority Document No:2011193903(32) Priority Date:06/09/2011(33) Name of priority country:Japan(86) International Application:PCT/JP2012/005526No:31/08/2012(87) International Publication:WO 2013/035291(61) Patent of Addition to:NAApplication Number:NAFiling Date:NA(62) Divisional to Application:NANumber:NAFiling Date:NA | (71)Name of Applicant : 1)PANASONIC CORPORATION Address of Applicant :1006 Oaza Kadoma Kadoma shi Osaka 5718501 Japan 2)NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY (72)Name of Inventor : 1)HATO Kazuhito 2)TOKUHIRO Kenichi 3)SUZUKI Takahiro 4)NOMURA Takaiki 5)OTA Kenichiro 6)ISHIHARA Akimitsu |
|---|---|
|---|---|

(57) Abstract :

This semiconductor material comprises oxynitrides containing at least one element selected from the group 4 elements and the group 5 elements wherein a portion of the oxygen and/or nitrogen is replaced by carbon. Nb is preferred as the group 5 element.

No. of Pages : 44 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PHARMACEUTICAL 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 (63) Abstract | :01/536038 :18/09/2011 :U.S.A. :PCT/US2012/055277 :14/09/2012 :WO 2013/040286 | (71)Name of Applicant : EURO CELTIQUE S.A. Address of Applicant :2 avenue Charles de Gaulle L 1653 Luxembourg Luxembourg (72)Name of Inventor : CHEN Yu YANG Lan FENG Feiyu GE Qiufu GUO Dianwu CHEN Yi |
|--|--|---|
|--|--|---|

(57) Abstract :

The present invention is directed to pharmaceutical compositions comprising: (a) a cyclopolysaccharide and (b) a o compound of Formula (I) or its pharmaceutical acceptable salt: wherein Xi, X2, Q, Z, and m are defined herein. Also disclosed is a method for treating a neoplastic disease or an immune disease with these compositions.

No. of Pages : 46 No. of Claims : 32

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : POSITIVE ELECTRODE ACTIVE MATERIAL FOR SODIUM BATTERIES 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 | :H01M4/58,C01B25/45 :2011186131 :29/08/2011 :Japan :PCT/JP2012/065096 :13/06/2012 :WO 2013/031331 :NA :NA :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)NOSE Masafumi |
|---|---|---|
|---|---|---|

(57) Abstract :

Provided are: a positive electrode active material for sodium batteries, which has high operating potential and is cap able of charging and discharging at high potential; and a method for producing the positive electrode active material for sodium batteries. A positive electrode active material for sodium batteries, which is characterized by being represented by general formula (1); and a method for producing the positive electrode active material for sodium batteries. General formula (1): N a x M y(A04) z(P207) w (In formula (1), represents at least one element selected from the group consisting of Ti, V, Cr, Mn, Fe, Co, Ni, Cu and Zn; A repres - ents at least one element selected from the group consisting of Al, Si, P, S, Ti, V and W; x satisfies 4 > x > 2; y satisfies 4 > y > 1; z satisfies 4 > z > 0; w satisfies 1 > w 0; and z and/or w i s not less than 1.)

No. of Pages : 50 No. of Claims : 14

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(51) International classification :A61B17/04 (71)Name of Applicant : (31) Priority Document No 1)LINVATEC CORPORATION :61/511862 (32) Priority Date :26/07/2011 Address of Applicant :11311 Concept Boulevard Largo FL (33) Name of priority country 33773 U.S.A. :U.S.A. (86) International Application No :PCT/US2012/048363 (72)Name of Inventor : Filing Date :26/07/2012 **1)MCDEVITT Dennis** (87) International Publication No :WO 2013/016552 2)NOVAK Vincent (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 AND APPARATUS FOR SECURING AN OBJECT TO BONE INCLUDING THE

PROVISION AND USE OF A NOVEL SUTURE ASSEMBLY FOR SECURING AN OBJECT TO BONE

(57) Abstract :

Apparatus for attaching an object to bone the apparatus comprising: a suture assembly comprising: a first suture having a generally U shaped configuration comprising a first arm a second arm and a bridge connecting the first arm to the second arm; a second suture comprising a first arm a second arm and a bridge connecting the first arm to the second arm; the first arm of the second suture being wrapped around the first suture in a first direction and the second arm of the second suture being wrapped around the first suture in a second opposite direction; the suture assembly being capable of assuming (i) a longitudinally extended radially contracted first configuration and (ii) a longitudinally contracted radially expanded second configuration; wherein at least one of the first arm and the second arm comprises a hollow tubular structure.

No. of Pages : 134 No. of Claims : 36

(21) Application No.1642/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CAM ADJUSTMENT MECHANISM INTERNAL COMBUSTION ENGINE AND LIGHT MOTOR CYCLE

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :10 2011 080 486.2 :05/08/2011 :Germany :PCT/EP2012/059426 :22/05/2012 :WO 2013/020728 :NA :NA | (71)Name of Applicant : 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG Address of Applicant :Industriestrae 1 3 91074 Herzogenaurach Germany (72)Name of Inventor : 1)FLEISCHER Michael 2)ZIELINSKI Claudia 3)BOGNER Michael |
|--|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a cam adjustment nnechanism (1) for an internal combustion engine of a motor vehicle, such as a lorry, a car, a motor cycle or a light motor cycle, with a cam shaft (2) on which a first cam (3) is fastened nondisplaceably and a second cam (4) is mounted rotatably relative to the first cam (3), but wherein the second cam (4) is mounted in an axially nondisplaceable manner on the cam shaft (2), wherein the second cam (4) is mounted in an axially displaceable slotted guide (6) in order to achieve a rotational movement. The invention also relates to an internal combustion engine with such a cam adjustment mechanism and to a light motor cycle with a single-cylinder internal combustion engine having a cam shaft at the top and such a cam adjustment mechanism.

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

(21) Application No.1459/DELNP/2014 A

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND FORMULATION FOR INHALATION

| Classification:A61K9/14,A61P15/08,A61K38/001)M(31) Priority Document No:2011903049A(32) Priority Date:01/08/2011Austr(33) Name of priority country:Australia(72)N(86) International Application:PCT/AU2011/0014301)MNo:07/11/20113)S(87) International Publication:WO 2013/0167544)O |)Name of Applicant :)MONASH UNIVERSITY Address of Applicant :Wellington Road Clayton Victoria 3800 stralia ?)Name of Inventor :)MCINTOSH Michelle ?)MORTON David)SOU Tomas ?)OLERILE Livesey ?)PRANKERD Richard |
|--|---|
|--|---|

(57) Abstract :

This invention relates to drug delivery and in particular to the delivery of biologically active agents in the form of dry powders for inhalation. The invention also relates to methods for preparing such dry powder formulations and methods for their use.

No. of Pages : 63 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONTROL OF THE INJECTION OF FUEL UPON COMBUSTION ENGINE START UP

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :1158564 :26/09/2011 :France :PCT/FR2012/052134 :25/09/2012 :WO 2013/045805 :NA | (71)Name of Applicant : 1)RENAULT S.A.S. Address of Applicant :13 15 quai Le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor : 1)HOURLIER Sylvain 2)PERENNES Patrick 3)BREUILLE MARTIN Franck |
|---|---|---|
| (61) Patent of Addition to Application | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method for controlling the injection of fuel upon start up of a combustion engine involves a first step of determining a set point quantity of fuel on start up which is dependent on a difference between a set point acceleration of the engine and an instantaneous acceleration of the engine. The invention also relates to an electronic control unit and to a motor vehicle.

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

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS AND APPARATUS FOR SELECTIVELY COMBINING PARTICULATE MATERIAL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :1113612.4 :05/08/2011 :U.K. | (71)Name of Applicant : 1)LOUGHBOROUGH UNIVERSITY Address of Applicant :Loughborough Leicestershire LE11 3TU U.K. (72)Name of Inventor : 1)HOPKINSON Neil 2)THOMAS Helen Rhiannon |
|---|------------------------------------|---|
| (87) International Publication No | :WO 2013/021173 | |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA :NA :NA | |
| Filing Date | .NA | |

(57) Abstract :

A method and an apparatus for selectively combining particulate material comprising: (i) providing a layer of particulate material (10) to a part bed; (ii) providing radiation to sinter a portion of the material of the layer; (iii) providing a further layer of particulate material overlying the prior layer of particulate material including the previously sintered portion of material; (iv) providing radiation to sinter a further portion of the material within the overlying further layer and to sinter said further portion with the previously sintered portion of material in the prior layer; (v) successively repeating blocks (iii) and (iv) to form a three dimensional object; and wherein at least some of the layers of particulate material are pre heated with a heater (51) prior to sintering a portion of the material of the respective layer the heater being configured to move relative to and proximate the particulate material.

No. of Pages : 69 No. of Claims : 76

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : PRESSURE SENSITIVE ADHESIVE 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 Number Filing Date | :C09J7/02,B32B3/24,B32B27/00 :2011188477 :31/08/2011 :Japan :PCT/JP2011/070685 :06/09/2011 o:WO 2013/031032 :NA :NA :NA | (71)Name of Applicant : 1)LINTEC Corporation Address of Applicant :23 23 Honcho Itabashi ku Tokyo 1730001 Japan (72)Name of Inventor : 1)TOMINO Chisato |

(57) Abstract :

The present invention relates to an adhesive sheet including a substrate sheet and an adhesive layer, wherein the substrate sheet has a void containing layer capable of the a i r permeability from the surface contacting with the adhesive layer, the air permeability measured by specific test method is 1×10 to 3×10 seconds. The present invention can provide an adhesive sheet which is capable of e f f i c i e n t l y preventing the occurrence of the swelling or the floating (that is the occurrence of a blister) even if the time passes when adhered to the surface of the various plastic moldings. In addition, the present invention can provide the adhesive sheet capable of exhibiting excellent blister resistance to any adhesive agent.

No. of Pages : 29 No. of Claims : 5

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MEDIUM CARBON STEEL SHEET FOR COLD WORKING 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 | :PCT/JP2011/071618 :22/09/2011 :WO 2013/042239 :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor : 1)TAKEDA Kengo 2)ABE Masayuki 3)TSUKANO Yasushi 4)ARAMAKI Takashi 5)YAMAGUCHI Shinichi |
|--|---|---|
| (61) Patent of Addition to | | 4)ARAMAKI Takashi |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A medium carbon steel sheet for cold working has a hardness of 500 to 900 HV inclusive when the steel sheet is subjected to a high frequency quenching in such a manner that the temperature of the steel sheet is raised at an average heating rate of 100°C/sec the temperature of the steel sheet is then held at 1000°C for 10 seconds and the steel sheet is then rapidly cooled to room temperature at an average cooling rate of 200°C/sec and comprises in mass% 0.30 0.60% of C 0.06 0.30% of Si 0.3 2.0% of Mn 0.03% or less of P 0.0075% or less of S 0.005 0.10% of Al 0.001 0.01% of N 0.001 0.10% of Cr and a remainder made up by Fe and unavoidable impurities wherein the average diameter (d) of a carbide is 0.6 μ m or less the spheroidizing ratio (p) of the carbide is 70% or more and less than 90% and the average diameter (d) (μ m) of the carbide and the spheroidizing ratio (p) (%) of the carbide fulfill the following formula: d = 0.04—p 2.6.

No. of Pages : 100 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SECURITY BARRIER

(57) Abstract :

A security barrier (10) comprises a first fence (20) and a second fence (40). The first fence comprises a first series of posts (22) and the second fence comprises a second series of posts (42). The first and second fences are provided adjacent to each other with the first fence being coupled below ground level with a the second fence. A footing having first and second post sockets is also provided for receiving a first post from each of the first and second fences respectively.

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

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : ANTENNA INSTALLATIONS | | |
|---|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 : BAE SYSTEMS plc Address of Applicant :6 Carlton Gardens London SW1Y 5AD U.K. (72)Name of Inventor : POWELL Stephen Charles |

(57) Abstract :

An antenna installation comprises a plurality of antenna assemblies (10) mounted in respective enclosures (12). The enclosures are interconnected by flow connections (14) allowing passage of dry air supplied from a dry air panel (16). Having passed through all the enclosures the dry air exhausts through a dry air return (18). The dew point of the air in the dry air return is detected by a dew point sensor (22). An air flow sensor (24) is disposed downstream of the dew point sensor and signals alarm if the air flow falls below a preset threshold.

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

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : STAPLING INSTRUMENT COMPRISING A PLURALITY OF STAPLE CARTRIDGES STORED THEREIN

| (51) International classification | :A61B17/072 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/225850 | 1)ETHICON ENDO SURGERY INC. |
| (32) Priority Date | :06/09/2011 | Address of Applicant :4545 Creek Road Cincinnati Ohio |
| (33) Name of priority country | :U.S.A. | 45242 U.S.A. |
| (86) International Application No | :PCT/US2012/052751 | (72)Name of Inventor : |
| Filing Date | :29/08/2012 | 1)SWENSGARD Brett E. |
| (87) International Publication No | :WO 2013/036410 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

A surgical stapling instrument can comprise an end effector configured to receive a staple cartridge a shaft including a plurality of staple cartridges positioned therein and a staple cartridge driver configured to sequentially advance the staple cartridges from the shaft into the end effector. In various embodiments the staple cartridges can comprise different configurations which can be arranged within the shaft such that they are supplied in a specific predetermined order.

No. of Pages : 73 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : INCREASING PARTICLE SIZE OF PESTICIDES TO REDUCE MOVEMENT IN SOIL

| (51) International classification | :A01G9/10,A01G1/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/527412 | 1)DOW AGROSCIENCES LLC |
| (32) Priority Date | :25/08/2011 | Address of Applicant :9330 Zionsville Road Indianapolis |
| (33) Name of priority country | :U.S.A. | Indiana 46268 U.S.A. |
| (86) International Application No | :PCT/US2012/052278 | (72)Name of Inventor : |
| Filing Date | :24/08/2012 | 1)MANN Richard K. |
| (87) International Publication No | :WO 2013/028975 | 2)OUSE David G. |
| (61) Patent of Addition to Application | :NA | 3)COBB Joey D. |
| Number | | 4)GIFFORD James M. |
| Filing Date | :NA | 5)GRAHAM Michael C. |
| (62) Divisional to Application Number | :NA | 6)MUELLER James P. |
| Filing Date | :NA | |
| | | • |

(57) Abstract :

This disclosure concerns the control of movement of a pesticide through soil. In some embodiments the use of solid large diameter particles comprising a pesticide leads to reduced leaching of the compound from or increased persistence of the compound in a target area to which the compound is applied.

No. of Pages : 32 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND APPARATUS FOR RECEIVED SIGNAL PROCESSING IN A MULTI STAGE RECEIVER

| (51) International classification | :H04L25/03 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/528322 | 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) |
| (32) Priority Date | :29/08/2011 | Address of Applicant :S 16483 Stockholm Sweden |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No | :PCT/IB2012/054247 | 1)KHAYRALLAH Ali |
| Filing Date | :22/08/2012 | 2)GRANT Stephen |
| (87) International Publication No | :WO 2013/030721 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(57) Abstract :

The present disclosure provides an apparatus (30) and method (100) for advantageously simplifying joint detection processing in one or more demodulation stages (62) of a multi stage receiver (34) by configuring at least one stage (62) to use a constrained multi user search such as a (constrained tree search. For example a multi stage receiver (34) includes at least two stages (62 1 62 2) configured to successively process a received composite signal (40) that includes signal contributions (42 1 42 2) from two or more users (46) which for example means that the received signal. (40) includes two or more symbol streams in a non limiting example particular embodiments of the present invention combines constrained tree searching with Serial Localized Indecision (SLIC) processing in a multi stage receiver (34) where each stage (62) includes a joint processing unit (82). At least one of those stages (62) is configured to use a constrained multi user search rather than a full search for jointly detecting symbols (44) in the stage input signal (66).

No. of Pages : 37 No. of Claims : 16

(21) Application No.1465/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :F04B15/02,F04B53/00 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :201110254690.x | 1)ZHENGZHOU YIAN MACHINERY CO. LTD |
| (32) Priority Date | :31/08/2011 | Address of Applicant :No.55 Yulan Street High & New |
| (33) Name of priority country | :China | Technology District Zhengzhou Henan 450001 China |
| (86) International Application No | :PCT/CN2012/080041 | (72)Name of Inventor : |
| Filing Date | :13/08/2012 | 1)YU Ziqiang |
| (87) International Publication No | :WO 2013/029465 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1174 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : GLASS PLATE FOR CONCRETE CONVEYING PUMP

(57) Abstract :

Disclosed in the present invention is a glass plate for a concrete conveying pump which comprises a steel base(2) with two feeding through holes(1), the end face of the steel base(2) is embedded and welded with a wear-resistant material slide joint surface(3); shear rings(4) are assembled in the two feeding through holes(1) of the steel base(2), and are provided with openings; grooves(5) are formed on inner circular faces of the feeding through holes(1); and outer circular faces of the shear rings(4) are provided with flanges(6) matched with the grooves(5). By the structure, a flange ring at one end of each shear ring(4) and counter - sunk holes for accommodating the shear rings(4) on the steel base(2) are eliminated, and the interference of sealing grooves on the end face of the steel base(2) and the countersunk holes for accommodating the shear rings on the steel base(2) is avoided. Along the axis direction, a central parting plane of a shear ring(4) is taken as a symmetrical plane, the grooves(5) and the flanges(6) are sym - metrical about the symmetrical plane, thus allowing the shear ring(4) to be utilized twice by the positive and negative surfaces.

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

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : BI LEVEL HEADREST BODY SUPPORT STRUCTURE AND METHOD OF SUPPORTING A USER S CRANIUM

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A47C7/36 :61/537177 :21/09/2011 :U.S.A. :PCT/US2012/056275 :20/09/2012 :WO 2013/043834 :NA :NA :NA :NA | (71)Name of Applicant : HERMAN MILLER INC. Address of Applicant :855 East Main Avenue P.O. Box 302 Zeeland MI 49464 0302 U.S.A. (72)Name of Inventor : WALKER Brock ALDRICH John F. JINSALACO Robert W. |
|---|---|--|
|---|---|--|

(57) Abstract :

A method of supporting a user s cranium includes directly supporting at least a portion of a first user s T1 T6 vertebrae with a primary support and directly supporting a junction between the first user s occipital bone and C1 vertebrae with a secondary support spaced from the primary support. The positions of the primary and secondary supports may be independently adjusted relative to each other. Various body support structures and headrest structures are also provided.

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

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SKIN LIGHTENING AGENT

| (51) International classification (31) Priority Document No (32) Priority Date (32) Priority Date (33) Name of priority country (36) 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 Sin Application Number Filing Date | Address of Applicant :14 10 Nihonbashi Kayabacho 1 chome Chuo ku Tokyo 1038210 Japan (72)Name of Inventor : 1)KAWASAKI Akiko |
|---|---|
|---|---|

(57) Abstract :

PROVIDED ARE A VERY SAFE SKIN LIGHTENING AGENT MELANIN PRODUCTION INHIBITOR AND DOPA OXIDASE ACTIVITY INHIBITOR. OR AN ORGANIC SOLVENT EXTRACT THEREOF IS USED TO INHIBIT DOPA OXIDASE ACTIVITY.

No. of Pages : 40 No. of Claims : 13

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING HYDROELECTRIC TURBINES

| (31) Priority Document No (32) Priority Date (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 | h :H02P9/48,A47G19/02,H02M5/45 :1113932.6 :12/08/2011 :U.K. :PCT/EP2012/065701 :10/08/2012 :WO 2013/024034 :NA :NA :NA | (71)Name of Applicant : 1)OPENHYDRO IP LIMITED Address of Applicant :South Dock House Hanover Quay Dublin 2 Ireland (72)Name of Inventor : 1)SPOONER Edward 2)CAWTHORNE Simon 3)KHOO Wee Keong |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A control system for controlling an operation of a hydroelectric turbine. The control system comprises a converter system to convert AC power supplied by a generator connected to the turbine and having a voltage and frequency that is a function of a rotational speed of the turbine to AC power having a voltage and frequency of a transmission system for transmitting the AC power to a receiving station. The system further comprises a control unit that is arranged to co operate with the converter system to adjust the AC voltage supplied by the generator in response to a water flow speed through the turbine to thereby control rotation of the turbine. The converter system comprises a first stage converter and a second stage converter with a DC link provided between the first and second stage converter is arranged to convert the AC power for transmission to the receiving station and the second stage converter is of a current source inverter type.

No. of Pages : 32 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(51) International classification :H02P9/48,H02M5/45 (71)Name of Applicant : (31) Priority Document No **1)OPENHYDRO IP LIMITED** :1113932.6 Address of Applicant :South Dock House Hanover Ouav (32) Priority Date :12/08/2011 (33) Name of priority country :U.K. Dublin 2 Ireland :PCT/EP2012/065708 (72)Name of Inventor : (86) International Application No Filing Date :10/08/2012 **1)SPOONER Edward** (87) International Publication No :WO 2013/024037 2)CAWTHORNE Simon (61) Patent of Addition to Application 3)KHOO Wee Keong :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING HYDROELECTRIC TURBINES

(57) Abstract :

A control system for controlling an operation of a hydroelectric turbine. The control system comprises a converter system to convert AC power, supplied by a generator connected to the turbine, and having a voltage and frequency that is a function of a rotational speed of the turbine, to AC power having a voltage and frequency of a transmission system for transmitting the AC power to a receiving station. The system further comprises a control unit that is arranged to co-operate with the converter system to adjust the AC voltage supplied by the generator in response to a water flow speed through the turbine to thereby control rotation of the turbine. The converter system comprises a first-stage converter and a second-stage converter, with a DC link provided between the first and second-stage converter is arranged to convert the AC power for transmission to the receiving station and the second-stage converter is of a voltage- source inverter type.

No. of Pages : 32 No. of Claims : 20

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING HYDROELECTRIC TURBINES

| | :H02P9/48,A47G19/02,H02M5/45 | |
|---|------------------------------|---|
| (31) Priority Document No | :1113932.6 | 1)OPENHYDRO IP LIMITED |
| (32) Priority Date | :12/08/2011 | Address of Applicant :South Dock House Hanover Quay |
| (33) Name of priority country | :U.K. | Dublin 2 Ireland |
| (86) International Application | :PCT/EP2012/065715 | (72)Name of Inventor : |
| No | :10/08/2012 | 1)SPOONER Edward |
| Filing Date | .10/08/2012 | 2)CAWTHORNE Simon |
| (87) International Publication No | :WO 2013/024039 | 3)KHOO Wee Keong |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A hydroelectric turbine array system comprises an array of turbine systems and a supervisory controller. Each turbine system of the array comprises a hydroelectric turbine and a control system. The control system includes a converter system arranged to convert AC power, supplied by a generator connected to the hydroelectric turbine and having a voltage and frequency that is a function of a rotational speed of the hydroelectric turbine, to AC power having a voltage and frequency of a transmission system for transmitting the AC power to a receiving station and a control unit co-operable with the converter system to adjust the AC voltage supplied by the generator. The supervisory controller determines a performance level of a plurality of hydroelectric turbines within the array and instructs the control unit of at least one of the turbine systems to adjust the AC voltage supplied by the generator to alter the power generated by the at least one of the turbine systems to thereby control the overall power generated by the array.

No. of Pages : 31 No. of Claims : 11

| (12) PATENT APPLICATION PUBLICATION (19) INDIA | | (21) Application No.2180/DEL/2013 A |
|--|--------------------------|--|
| (19) INDIA (22) Date of filing of Application :23/07/2013 | | (43) Publication Date : 30/01/2015 |
| (54) Title of the invention : HIRING BRAINS | | |
| (51) International classification(31) Priority Document No(32) Priority Date | :G06Q10/00 :NA :NA | (71) Name of Applicant : 1) WHITE CHEK Address of Applicant :K-97 DADU DAYAL NAGAR |
| (33) Name of priority country(86) International Application No Filing Date | :NA :NA :NA | MANSAROVAR, JAIPUR Rajasthan India (72)Name of Inventor : 1)KAPIL SHARMA |
| (87) International Publication No(61) Patent of Addition to Application Number | : NA : NA :NA | |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

Its a socio-job project that will provide an internet based effective platform to the job seekers to directly interact with the hiring executives of the companies. The platform will enable the job seekers to choose and compete for the jobs according to their profile and eligibility. This platform will prove to be an easy and fair procedure for hiring with less expenditure.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA (22) Date of filing of Application :23/07/2013 (43) Publication Date : 30/01/2015

(54) Title of the invention : SURYA SIDHANT

| (51) International classification | :G01N1/00 | (71)Name of Applicant : |
|---|-----------|---|
| (31) Priority Document No | :NA | 1)KAMAL NAYAN |
| (32) Priority Date | :NA | Address of Applicant :LL-47, AMBER, TOWER, SANSAR |
| (33) Name of priority country | :NA | CHANDRA ROAD, JAIPUR Rajasthan India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)KAMAL NAYAN |
| (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) Production of energy free of cost. (b) Production of energy around the world because gravitational force of the earth is available everywhere on the earth. (c) Pollution free productions of energy there will be no air pollution or voice pollution produced (d) Low cost device, which one will have to purchase once for the lifetime energy generation. (e) Negligible cost of lubrication.

No. of Pages : 3 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A NOVEL GRAPHITE OXIDE BASED NON ENZYMATIC CHOLESTEROL SENSOR

| (51) International classification(31) Priority Document No(22) Priority Data | :NA | (71)Name of Applicant : 1)AMITY UNIVERSITY Address of Applicant (AMITY UNIVERSITY CAMPUS) |
|--|-------------------|---|
| (32) Priority Date(33) Name of priority country(86) International Application No | :NA :NA :NA | Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125, NOIDA-201303, UP, INDIA Uttar Pradesh India (72) Name of Inventor : |
| (80) International Application No Filing Date (87) International Publication No | :NA : NA | 1)BHAWANA 2)NITIN BHARDWAJ |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)VASUDA BHATIA 4)VINOD KUMAR JAIN |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a novel non-enzymatic cholesterol sensor using functionalized nano-graphite oxide as active electrode. The nano-graphite is prepared by the modified Hummers method and functionalized chemically by hydroxyl and carboxyl functional group using thermal embedding fabrication technique which results in the development of low cost, flexible and highly sensitive electrode. The fabricated working electrode shows a linear relationship from 50 - 500 mg/dl between cholesterol concentration and the output signal.

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

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H04L7/00,H04L29/06 | (71)Name of Applicant : |
|---|---------------------|---|
| (31) Priority Document No | :201110256492.7 | 1)ZTE CORPORATION |
| (32) Priority Date | :01/09/2011 | 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/CN2012/078883 | (72)Name of Inventor : |
| Filing Date | :19/07/2012 | 1)WANG Bin |
| (87) International Publication No | :WO 2013/029441 | 2)XIA Liang |
| (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 : MEHTOD AND DEVICE FOR CLOCK SYNCHRONIZATION

(57) Abstract :

Disclosed in the embodiments of the present invention are a method and device for clock synchronization. The method comprises the following steps: slave clock equipment simultaneously carries out protocol message interactions with multiple clock source equipment and respectively computes the time and frequency deviation with each clock source equipment according to the protocol message interaction with the multiple clock source equipment to lock the multiple clock source equipment; the slave clock equipment selects a primary clock source from the multiple clock source equipment and corrects self time and frequency according to the time and frequency deviation with the primary clock source. According to the embodiments of the present invention the clock source equipment is immediately locked as soon as being discovered rather than starts to be locked after being switched so that the multiple clock source equipment is simultaneously locked by the slave clock equipment and when the clock source equipment switching occurs the clock source equipment is switched into the currently locked clock source equipment and therefore the synchronization accuracy of the time and frequency during switching can be ensured to the maximum extent the switching speed of the clock source equipment is accelerated and switching performance is enhanced.

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

(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : KIT FOR WHITENING A BODY SURFACE OF A USER, RELATED METHOD AND PROCESS

| (51) International classification | :A61K8/00 | (71)Name of Applicant : |
|---|-----------|--|
| (31) Priority Document No | :NA | 1)L'OREAL |
| (32) Priority Date | :NA | Address of Applicant :14, RUE ROYALE, 75008 PARIS, |
| (33) Name of priority country | :NA | FRANCE |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)GAURAV AGARWAL |
| (87) International Publication No | : NA | 2)SHOIBAL PATTANAIK |
| (61) Patent of Addition to Application Number | :NA | 3)PRAUN BANDYOPADHYAY |
| Filing Date | :NA | 4)CAROLINE DELAUNAY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

I Kit for whitenina a body surface of a user, related method and process Kit for whitening a body surface of a user, comprising : - an oxidizing composition application device (12); wherein the kit comprises an activator sheet (14) which is movable independently of the oxidizing composition application device (12), the activator sheet (14) comprising an outer deformable substrate (50) intended to be applied on an oxidizing composition (34) placed on the skin of the user, the activator sheet (14) comprising an activator composition (52) carried by the outer substrate (50).

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

(22) Date of filing of Application :22/07/2013

(54) Title of the invention : MINIATURIZED AIR SAMPLER FOR SAW ELECTRONIC NOSE BASED ON DIFFERENTIAL ADSORBENT SCRUBBING

| (51) International classification1.(31) Priority Document No1.(32) Priority Date1.(33) Name of priority country1.(86) International Application No1.Filing Date1.(87) International Publication No1.(61) Patent of Addition to Application Number1.Filing Date1.(62) Divisional to Application Number1. | (71)Name of Applicant : (71)Name of Applicant : (71)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION Address of Applicant :Ministry of Defence, Govt of India, Room No 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi Delhi India (72)Name of Inventor : 1)Upendra Mittal 2)Devendra S. Barlewer 3)Archibald Theodore Nimal 4)Manoj Umesh Sharma 5)Jitender Kumar 6)Harpreet Singh |
|---|--|
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(57) Abstract :

The present invention relates to an electronic nose system comprising: a solenoid valve having a first input port, a second input port, an output port, a first operating state and a second operating state, said first and second input ports being operatively coupled to a source of gas, wherein the first input port is coupled to the source of gas via one or more filters located in parallel; a sensor array being operatively coupled to the output port of the solenoid valve and including one or more sensors for generating a response pattern in response to adsorption of chemical warfare agents present in the gas, wherein each of the sensors in the sensor array having a different reference point; a pump for sucking gas into the sensor array during the first and second operating states via the first and second input ports respectively; and a control system operatively coupled to the solenoid valve, sensor array and pump for controlling operations thereof

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

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A NOVEL COMPOSITION FOR THE PREPARATION OF HERBAL INCENSE STICK (HERBAL AGARBATTI) AND THE PROCESS 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 | :NA :NA :NA :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 : 1)CHARU GUPTA 2)DHAN PRAKASH |
|---|---|--|
| (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 | 2)DHAN PRAKASH |

(57) Abstract :

The present invention discloses a novel composition for herbal incense stick (herbal agarbatti) and a process for the preparation of the same which purifies air, cleans and rejuvenates atmosphere and is long lasting, is low on smoke and has a pleasant/good fragrance. The herbal incense stick (herbal agarbatti) comprises natural base materials that provide a soothing fragrance with minimum release of smoke and ash. The herbal incense stick (herbal agarbatti) essentially comprises extracts obtained by a process from flowers of Tagetes erecta (Marigold), leaves and bark of Anacardium occidentale (Kollamaram), latex of Argemone mexicana (Satyanshi), aerial parts of Cassine glauca (Kuntze), leaves of Clerodendrum viscosum (Pumiaya), leaves of Terminalia chebula (Harad) and essential oils from Eucalyptus and peppermint oil. The extracts are mixed with suitable carrier base. The herbal incense stick (herbal agarbatti) has no side effects and is suitable for external application.

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

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MEDIUM CARBON STEEL SHEET QUENCHED MEMBER AND METHOD FOR MANUFACTURING MEDIUM CARBON STEEL SHEET AND QUENCHED MEMBER

| (31) Priority Document No(32) Priority Date | | 1)NIPPON STEEL & SUMITOMO METAL CORPORATION |
|---|---|--|
| (33) Name of priority country(86) International ApplicationNoFiling Date | :Japan :PCT/JP2012/072920 :07/09/2012 | Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor : 1)TAKEDA Kengo |
| (87) International Publication No | :WO 2013/035848 | 2)TSUKANO Yasushi 3)ARAMAKI Takashi |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

This medium carbon steel sheet contains 0.10 0.80% of C 0.01 0.3% of Si 0.3 2.0% of Mn 0.001 0.03% of P 0.0001 0.01% of S 0.001 0.10% of Al and 0.001 0.01% of N (percentages given with respect to weight); the average carbide diameter is 0.4 μ m or less; the ratio of the number of carbides that are 1.5 times or greater than the size of the average carbide diameter is 30% or less of the total number of carbides; the carbide spheroidizing rate is 90% or greater; the average ferrite grain size is 10 μ m or greater; and the tensile strength (TS) is 550 MPa or less.

No. of Pages : 80 No. of Claims : 8

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PROCESS FOR REDUCING CHLORONITROBENZENE CATALYZED BY PLATINUM-NANOPARTICLES STABILIZED ON MODIFIED MONTMORILLONITE CLAY

| (51) International classification | :C07C 201/00 | (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL |
|---|-----------------|---|
| (31) Priority Document No | :NA | RESEARCH |
| (32) Priority Date | :NA | Address of Applicant : ANUSANDHAN BHAWAN RAFI |
| (33) Name of priority country | :NA | MARG, NEW DELHI-110001, INDIA Delhi India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)DUTTA DIPAK KUMAR |
| (87) International Publication No | : NA | 2)DUTTA DIPANKA |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Pto-nanoparticle of in the size range 0 - 10 nm were prepared in-situ by impregnation of H2PtCl6.6H20 into the nanopores of modified montmorillonite followed by reduction with different reducing agents like ethylene glycol, sodium citrate, hydrogen, hydrazine and sodium borohydrate. The montmorillonite was modified by activation with mineral acids under controlled condition for generating desired nanopores. XRD pattern of Pto-nanoparticles revealed the formation of face centered cubic (fcc) lattice. These supported Pto-nanoparticles show efficient catalytic activity for the selective reduction of chloronitrobenzenes. As a typical example, at a H2 pressure of 10 bars, temperature 45 OC for a period of 15 min, the Pto-nanoparticles (prepared by reduction with hydrazine) exhibit conversion of o-chloronitrobenzene upto 100 % and selectivity > 99 % to o-chloroanilines with very negligible amount of C-C1 bond cleavage.

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

(19) INDIA

(22) Date of filing of Application :23/07/2013

(54) Title of the invention : A PROCESS FOR THE REMOVAL OF PESTICIDES FROM CONTAMINATED WATER

| (51) International classification:C02F1/0(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(63) Date:NA | (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG NEW DELHI-110001 Delhi India (72)Name of Inventor : 1)SINGH NAHAR 2)GUPTA SUMAN 3)TRIPATHI SUSHREE SWARUPA 4)RASHMI 5)SINGH SUKHVIR 6)GUPTA PRABHAT KUMAR |
|---|---|
|---|---|

(57) Abstract :

The present invention provides a low cost and highly effective method for the removal of pesticides from contaminated water using zinc peroxide (ZnO2) nanoparticles (20+5nm) capped with glycerol/PVP/TEA upto the permissible range of drinking water.

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

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING ALKENONE 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 | :C07C45/00,C07D315/00 :NA :NA :NA :NA :NA : NA :NA :NA | (71)Name of Applicant : 1)SRF LIMITED Address of Applicant :BLOCK-C, SECTOR 45, UNICREST BUILDING, GURGAON, HARYANA (INDIA); Haryana India (72)Name of Inventor : 1)BALAJI, PRABHU 2)KUMAR, KAPIL 3)SAXENA, RAHUL 4)ANAND, RAJDEEP |
|---|--|--|
| (62) Divisional to Application NumberFiling Date | :NA :NA | |

(57) Abstract :

The present invention relates to a process for the synthesis of alkenone ethers.

No. of Pages : 11 No. of Claims : 8

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : REACTIVE DISTILLATION PROCESS FOR THE PREPARATION OF 1, 1, 1, 2, 3, 3, 3-HEPTAFLUORO-2-BROMOPROPANE

| (51) International classification | :B01D3/00 | (71)Name of Applicant : |
|---|-----------|--|
| (31) Priority Document No | :NA | 1)SRF LIMITED |
| (32) Priority Date | :NA | Address of Applicant :BLOCK-C, SECTOR 45, UNICREST |
| (33) Name of priority country | :NA | BUILDING, GURGAON, HARYANA (INDIA); Haryana India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)KUMAR, SANJAY; |
| (87) International Publication No | : NA | 2)GUPTA, HANUMAN; |
| (61) Patent of Addition to Application Number | :NA | 3)KUMAR, KAPIL |
| Filing Date | :NA | 4)SAXENA, RAHUL |
| (62) Divisional to Application Number | :NA | 5)ANAND, RAJDEEP |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides a process for the preparation of halogenated benzene derivatives

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

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DISCHARGE SOLIDIFIER AND MALODOUR CONTROL

| (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)TRIO HEALTHCARE LIMITED Address of Applicant :Trio Court Broughton Hall Skipton North Yorkshire BD23 3AE U.K. (72)Name of Inventor : 1)LEE Stewart |
|---|-----------------|---|
| (87) International Publication No | :WO 2013/030581 | |
| (61) Patent of Addition to Application Number Filing Date (6) | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An ostomy bag insert (104) comprising a polyacrylate superabsorbent (300) and a powdered zeolite (301). The ostomy bag insert is configured to absorb fluids excreted by the body and to control odours resultant from the excreted matter within the ostomy bag (100). The present zeolite exhibits enhanced odour control.

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

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND DEVICE FOR OPTICAL ANALYSIS OF PARTICLES AT LOW TEMPERATURES

| (51) International classification | :G01N21/03,B01L3/00 | (71)Name of Applicant : |
|--|---------------------|--|
| (31) Priority Document No | :TO2011A000990 | 1)SILICON BIOSYSTEMS S.P.A. |
| (32) Priority Date | :28/10/2011 | Address of Applicant : Via dei Lapidari 12 Bologna Italy |
| (33) Name of priority country | :Italy | (72)Name of Inventor : |
| (86) International Application No | :PCT/IB2012/055981 | 1)MEDORO Gianni |
| Filing Date | :29/10/2012 | 2)CALANCA Alex |
| (87) International Publication No | :WO 2013/061312 | 3)MANARESI Nicol ² |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(57) Abstract :

Method and device (1b) for performing the optical analysis of particles (2) contained in suspension in a fluid (3) arranged inside a microfluidic device (4) which maintains it at a temperature significantly lower than the ambient temperature; the formation of humidity on the outer surface (8) of the cover of the microfluidic device is avoided by applying a thermal flow (F) which determines an increase in the temperature of the outer surface (8) of the cover to above the condensation temperature (Td) or a reduction in the ambient temperature (and/or humidity) in the vicinity of the cover (8) so as to bring the condensation temperature (Td) (dew point) to below the temperature of the surface (8) of the cover determined by the internal operating temperature.

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

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR THE PREPARATION OF A HEAT STABLE OXYGEN CARRIER CONTAINING COMPOSITION FACILATING BETA BETA CROSS LINKING

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K38/42,A61K35/14,A61K35/12 :61/529279 :31/08/2011 :U.S.A. :PCT/US2012/051959 :23/08/2012 :WO 2013/032828 :NA :NA | (71)Name of Applicant : 1)BILLION KING INTERNATIONAL LIMITED Address of Applicant :Room 2301 23F Fu Fai Commercial Centre 27 Hillier Street Sheung Wan Hong Kong China (72)Name of Inventor : 1)WONG Bing Lou 2)KWOK Sui Yi 3)BUTT Kwok Chu |
|--|--|--|
| Filing Date | :NA | |

(57) Abstract :

Methods for preparation of a heat stable hemoglobin based oxygen carrier containing pharmaceutical composition such that beta beta cross linking is favored are provided. Using the methods of the present invention the oxygen affinity of the resultant molecule can be controlled so that hemoglobin based oxygen carriers tailored for specific applications can be produced. Lower oxygen affinity crosslinked hemoglobin is useful for applications requiring rapid tissue oxygenation (e.g. hemorrhagic shock) while higher oxygen affinity cross linked hemoglobin is useful for applications requiring a slower rate of oxygenation (e.g. cancer adjunct therapy). A highly purified and heat stable crosslinked non polymeric tetrameric hemoglobin having beta beta cross linking of greater than 40 60% and suitable for use in mammals without causing renal injury and vasoconstriction is produced. A high temperature and short time (HTST) heat processing step is performed to effectively remove any undesired dimeric hemoglobin non crosslinked tetrameric hemoglobin and plasma protein impurities.

No. of Pages : 50 No. of Claims : 27

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A CONTIGENCY RELEASE DEVICE THAT USES RIGHT HAND TORQUE TO ALLOW MOVEMENT OF A COLLET PROP

| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application NA WO 2013/066311 NA WO 2013/066311 NA | classification (31) Priority Document No (32) Priority Date (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/US2011/058694 :01/11/2011 :WO 2013/066311 :NA :NA :NA | (71)Name of Applicant : 1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant :10200 Bellaire Boulevard Houston TX 77072 U.S.A. (72)Name of Inventor : 1)STAUTZENBERGER Aurthur T. 2)WATSON Brock |
|---|--|---|--|
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(57) Abstract :

According to an embodiment a device comprises: a torsion lock sleeve wherein the torsion lock sleeve comprises a crenellated second end wherein the torsion lock sleeve is tubular in shape and wherein at least a portion of the inner circumference of the torsion lock sleeve engages at least one ridge; and a release nut wherein the release nut comprises a crenellated first end and wherein the first end of the release nut is capable of engaging the second end of the torsion lock sleeve. According to another embodiment a method of displacing the release nut comprises: positioning the device in a portion of a subterranean formation; moving the torsion lock sleeve wherein the step of moving the torsion lock sleeve comprises disengaging the first end of the release nut with the second end of the torsion lock sleeve; and moving the release nut. According to certain embodiments the release nut is moved by applying a right hand torque to at least an inner release mandrel.

No. of Pages : 34 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM FOR RECYCLING CAPTURED AGGLOMERATED DIESEL SOOT AND RELATED 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 | :61/531126 :06/09/2011 :U.S.A. :PCT/US2012/053820 :06/09/2012 :WO 2013/036549 :NA :NA :NA | (71)Name of Applicant : 1)DEARBORN FINANCIAL INC. Address of Applicant :5N762 Burr Road St. Charles Illinois 60175 U.S.A. (72)Name of Inventor : 1)ROHLFS Michael B. |
|---|---|--|
| Filing Date | :NA | |

(57) Abstract :

A method of recycling captured agglomerated soot captured by and collected from a diesel emission control after treatment (DECAT) system the method comprising collecting captured agglomerated diesel soot (CADS) as a feedstock loading the CADS into a controlled thermochemical conversion (TCC) process reactor employing time phased heat and pressure in the controlled TCC process reactor until the CADS sufficiently decompose to reclaim solids liquid fuels and gases piping pyrolysis oils (tars) and vapors produced in the controlled TCC process reactor to chambers cooling and condensing the pyrolysis oils and vapors into a liquid form and recirculating a pyrolysis gas produced in the controlled TCC process reactor for use as a source of heat and power.

No. of Pages : 45 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : STEAM STE | RILIZER | |
|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61L2/04 :13/252606 :04/10/2011 :U.S.A. :PCT/US2012/056472 :21/09/2012 :WO 2013/052287 :NA :NA :NA :NA | (71)Name of Applicant : 1)AMERICAN STERILIZER COMPANY Address of Applicant :5960 Heisley Road Mentor OH 44060 1834 U.S.A. (72)Name of Inventor : 1)BUCZYNSKI Peter J. |

(57) Abstract :

A sterilizer for sterilizing instruments and devices disposed therein. The sterilizer includes a vessel that has an inner wall and an outer wall. The inner wall defines a sterilization chamber. The outer wall is spaced from the inner wall to define a cavity surrounding the sterilization chamber. A heating element for vaporizing a fluid is disposed in a lower portion of the cavity. A fluid circuit is fluidly connected to the vessel to convey fluid to the cavity to convey steam from the cavity to the sterilization chamber and to exhaust steam from the sterilization chamber. The fluid circuit includes a conduit that fluidly connects the sterilization chamber to the cavity. A valve is disposed in the conduit for controlling the flow of steam from the cavity to the sterilization chamber. A boiler pump is provided for conveying fluid to the cavity of the vessel.

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

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : IMPROVEMENT FOR LEAKTIGHT AND THERMALLY INSULATING TANK INTEGRATED INTO A CARRIER 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 Filed on | :F17C 3/02 :0901636 :03/04/2009 :France :PCT/FR2010/000283 :02/04/2010 :WO 2010/1112715 :NA :NA :NA :7143/DELNP/2011 :19/09/2011 | (71)Name of Applicant : 1)GAZ TRANSPORT ET TECHNIGAZ Address of Applicant :1, ROUTE DE VERSILLES, F-78470, SAINT REMY LES CHEVREUSE, FRANCE (72)Name of Inventor : 1)BRUNO GUELTON 2)RAPHAEL PRUNIER 3)CHRISTOPHE HUON DE KERMADEC 4)BRUNO DELETRE |
|--|---|--|
|--|---|--|

(57) Abstract :

A sealed and thermal insulating tank integrated into a bearing structure (1), the bearing structure consisting of a doube wall, the tank comprising a thermal insulating barrier made integral with the bearing structure (1), a secondary sealing barrier (5) located within the thermal insulating barrier, and a primary sealing barrier (10) which stands on the thermal insulating barrier, the thermal insulating barrier consists of modules arranged in juxtaposition, wherein a module is more or less a rectangular parallelepiped in shape and comprises a first plywood panel (3), on top of which there is a first thermal insulating coat (4), on top of which there is the secondary sealing barrier (5), on which is arranged a second thermal insulation coat (6), itself supporting a second plywood panel, on which stands the primary sealing barrier (10) consisting of ferrules or metal plates, characteized in that it includes a damping device consisting of a layer of damping material arranged between two walls, wherein the damping device is located between the secondary sealing barrier (5) and the second thermal insulating coat(6).

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

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : OXYGEN TRANSPORT MEMBRANE SYSTEM AND METHOD FOR TRANSFERRING HEAT TO CATALYTIC/PROCESS REACTORS

| (51) International classification (31) Priority Document No (32) Priority Date (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/US2012/045519 :05/07/2012 o:WO 2013/009560 :NA :NA | (71)Name of Applicant : 1)PRAXAIR TECHNOLOGY INC. Address of Applicant :39 Old Ridgebury Road Danbury CT 06810 U.S.A. (72)Name of Inventor : 1)KELLY Sean M. 2)KROMER Brian R. 3)LITWIN Michael M. 4)ROSEN Lee J. 5)CHRISTIE Gervase Maxwell 6)WILSON Jamie R. 7)KOSOWSKI Lawrence W. |
|--|---|---|
| e | :NA :NA | |

(57) Abstract :

A method and apparatus for producing heat used in a synthesis gas production process is provided. The disclosed method and apparatus include a plurality of tubular oxygen transport membrane elements adapted to separate oxygen from an oxygen containing stream contacting the retentate side of the membrane elements. The permeated oxygen is combusted with a hydrogen containing synthesis gas stream contacting the permeate side of the tubular oxygen transport membrane elements thereby generating a reaction product stream and radiant heat. The present method and apparatus also includes at least one catalytic reactor containing a catalyst to promote the steam reforming reaction wherein the catalytic reactor is surrounded by the plurality of tubular oxygen transport membrane elements. The view factor between the catalytic reactor and the plurality of tubular oxygen transport membrane elements radiating heat to the catalytic reactor is greater than or equal to 0.5.

No. of Pages : 48 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :H01Q1/42 :13/279415 :24/10/2011 :U.S.A. :PCT/IB2012/054527 :02/09/2012 | (71)Name of Applicant : 1)ANDREW LLC Address of Applicant :1100 CommScope Place SE Hickory North Carolina 28602 U.S.A. (72)Name of Inventor : 1)WRIGHT Alastair |
|--|--|--|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/061176 :NA :NA :NA :NA | 2)RENILSON Ian 3)CURRAN John 4)LEWRY Matthew |

(54) Title of the invention : METHOD AND APPARATUS FOR RADOME AND REFLECTOR DISH INTERCONNECTION

(57) Abstract :

An interconnection retaining a periphery of a radome upon a periphery of a reflector dish has a plurality of curved channel portions each of the channel portions provided with an open periphery slot and an open retention slot. The periphery slot is dimensioned to receive the periphery of the radome and the periphery of the reflector dish. The channel portions are arranged end to end adjacent to one another encircling the periphery of the radome and the periphery of the reflector dish seated within the periphery slot. A gap may be provided between one or more of the channel portions are arranged end to end adjacent to one another. A link member is seated within the retention slot at an end of each adjacent channel portion. The retention slot at the end of each of the adjacent channel portions is crimped upon the link member. The link member may be for example a portion of threaded rod or a molded portion of polymer material.

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

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SKIN CONTACT MATERIAL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application | :A61L24/00,A61L24/04,A61L24/08 :1115182.6 :02/09/2011 :U.K. :PCT/GB2012/052132 | (71)Name of Applicant : 1)TRIO HEALTHCARE LIMITED Address of Applicant :Trio Court Broughton Hall Skipton North Yorkshire BD23 3AE U.K. (72)Name of Inventor : 1)LEE Stewart |
|--|--|---|
| No Filing Date | :31/08/2012 | |
| (87) International Publication No | :WO 2013/030580 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | I:NA :NA | |

(57) Abstract :

A substrate based skin contact material formed from a hydrocolloid having a silicone based component extending over regions of the substrate surface. The adhesive is formed non continuously over the substrate to provide areas devoid of adhesive to allow appreciable moisture transfer between the skin and substrate and improve the skin friendliness of the material during use and allow convenient removal with avoidance of skin irritation.

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

(19) INDIA

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPRESSION GARMENTS AND A METHOD OF MANUFACTURE (51) International classification :A41D 1/08 (71)Name of Applicant : (31) Priority Document No 1)SKINS INTERNATIONAL TRADING AG :2004905456 (32) Priority Date Address of Applicant :SENNWEIDSTRASSE 43, 6312 :23/09/2004 (33) Name of priority country STEINHAUSEN. SWITZERLAND. :Australia (86) International Application No :PCT/AU2005/001450 (72)Name of Inventor : **1)DUFFY, BRADLEY THOMAS** Filing Date :23/09/2005 (87) International Publication No :WO 2006/032096 2) DUFFY, SUSAN KATHLEEN (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :2404/DELNP/2007 Filed on :29/03/2007

(57) Abstract :

The invention provides compression garment (50) for clothing bodypart, such as alower torso and the legs. The body part includes a muscle 52._ ridge, such as a lateral edge of the gluteus maximTMs (49). Compression garment (50) has first and second panels of stretchable material joined by a seam (32). At least part of the seam (32) is adapted to correspond to at least part of the muscle ridge, being at the edge of the gluteus maximum (49). The invention also provides a method of manufacturing a compression garment, using an algorithm to calculate size changes to produce desired compression.

No. of Pages : 50 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : INFLUENZA | H5 VACCINES | |
|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K39/145 :61/523772 :15/08/2011 :U.S.A. :PCT/EP2012/065940 :15/08/2012 :WO 2013/024113 :NA :NA :NA :NA | (71)Name of Applicant : 1)BOEHRINGER INGELHEIM VETMEDICA S.A. DE C.V. Address of Applicant :Calle 30 2614 Guadalajara Jalisco 44940 Mexico 2)BOEHRINGER INGELHEIM VETMEDICA GMBH (72)Name of Inventor : 1)REALPE QUINTERO Mauricio 2)GONZALEZ HERNANDEZ Paulino Carlos 3)VAUGHN Eric |

(57) Abstract :

The present invention is based on the surprising finding that H5 protein of clade 1 H5N1 induces in particular by a single shot vaccination a cross clade protective immune response to influenza viruses with H5N1 HA. In one aspect the invention is thus directed to H5 protein of clade 1 H5N1 virus for use in a method of treating or preventing infections with H5N1 virus of a different clade namely of a clade different from clade 1 or from any clade with the exception of clade 1 respectively.

No. of Pages : 189 No. of Claims : 40

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : OPTIMIZED PROTECTION COORDINATION OF ELECTRONIC TRIP CIRCUIT BREAKER BY SHORT CIRCUIT CURRENT AVAILABILITY 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 Number Filing Date (62) Divisional to Application Number Filing Date | :13/227614 :08/09/2011 :U.S.A. | (71)Name of Applicant : 1)SCHNEIDER ELECTRIC USA INC. Address of Applicant :1415 S. Roselle Road Palatine IL 60067 U.S.A. (72)Name of Inventor : 1)SMITH Timothy Lee |
|---|--------------------------------------|---|
|---|--------------------------------------|---|

(57) Abstract :

Centralized coordination of setting and adjusting trip settings of electronic circuit breakers (104 106 108) in an electrical distribution system (100) by monitoring short circuit current availability (SCCA) and adjusting trip settings based on received SCCA estimates from SCCA monitoring devices (102) installed at main (A) feeder (B) and branch nodes of the distribution system (100). The SCCA monitoring devices (102) are capable of automatically estimating the SCCA in the circuit or node at which the SCCA device is installed and transmitting SCCA estimates to a controller which uses the SCCA estimates to coordinate adjustments to trip settings for the various circuit breakers (104 106 108). Depending on the node position of the circuit breaker (104 106 108) and the corresponding SCCA at that node the controller adjusts in real time the short circuit trip settings for the circuit breakers (104 106 108) so that they are below the SCCA value. Optional userinputted settings can affect the trip setting adjustments such as transient loading conditions that can influence the SCCA estimates.

No. of Pages : 24 No. of Claims : 20

(21) Application No.2544/DELNP/2014 A

(19) INDIA(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROTECTIVE MATERIAL AND USE OF SAME

| (31) Priority Document No:2011588(32) Priority Date:07/09/20(33) Name of priority country:Finland(86) International Application | 2011Address of Applicant :Pskysentie 1 FI 482201(72)Name of Inventor :12012/0508691)PATRUSHIN Andrei20122)ESKOLA Saara3)OVASKA Sami Seppo | |
|---|---|--|
|---|---|--|

(57) Abstract :

The invention relates to a protective material (1) which can be used in the applications of public healthcare rescue

services transportation of patients and nursing institutions. According to the invention the protective material is an elongated plate type material the protective material being in the form of a layered structure including at least a body layer (2) with at least a core layer (3) formed from a network reinforced polymeric material and at least one absorbent fiber based layer (4) which is provided to the upper surface of the body layer (2) and at least partially connected to the upper surface of the body layer and edge reinforcements (9) provided to the longitudinal outer edges of the body layer in the protective material and connected to the upper surface of the body layer (2). In addition the invention relates to the use of the protective material.

No. of Pages : 25 No. of Claims : 16

(22) Date of filing of Application :26/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ORE BENEFICIATION (51) International classification :B03C1/02,B03C1/005,C22B1/00 (71)Name of Applicant : (31) Priority Document No :13/195430 1)SUPERIOR MINERAL RESOURCES LLC (32) Priority Date :01/08/2011 Address of Applicant :1910 8th Avenue East Hibbing MN (33) Name of priority country 55746 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor : :PCT/US2012/048550 No 1)HILSHORST Howard W. :27/07/2012 Filing Date 2)LINDAHL Gregory D. 3)HECIMOVICH James A. (87) International Publication :WO 2013/019618 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 of enriching the iron content of low grade iron bearing ore materials has been developed which produces a high iron ore concentrate suitable for processing into pig iron and steel. The process includes reducing the low grade iron bearing ore materials to a fine particulate form and treating a water slurry of this material by applying a combination of ultrasonic treatments in a plurality of high and low intensity magnetic separation operations to remove interfering materials and concentrate magnetic and paramagnetic iron bearing materials into a high grade ore stock.

No. of Pages : 25 No. of Claims : 38

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONDUCTING CARBON CLOTH FOR HYDROGEN GENERATION, AND QUANTUM DOT **SYNTHESIS**

| (51) International classification | :B82Y20/00 | (71)Name of Applicant : |
|---|------------|--|
| (31) Priority Document No | :NA | 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL |
| (32) Priority Date | :NA | RESEARCH |
| (33) Name of priority country | :NA | Address of Applicant : ANUSANDHAN BHAWAN, RAFI |
| (86) International Application No | :NA | MARG, NEW DELHI - 110001, INDIA. Delhi India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)MANDAKINI BISWAL |
| (61) Patent of Addition to Application Number | :NA | 2)SARIKA ADITYA KELKAR |
| Filing Date | :NA | 3)MUKTA CHANDRAKANT TATHAVEDKAR |
| (62) Divisional to Application Number | :NA | 4)SHRUTI ANIL AGARKAR |
| Filing Date | :NA | 5)SATISHCHANDRA BALKRISHNA OGALE |

(57) Abstract :

Disclosed herein is functional conducting carbon cloth with permeability and turbostratic disorder, and process for preparation of the same. Further it describes use of said carbon cloth as anode in alkaline water electrolysis for generation of hydrogen at sub-threshold potential (<1.23V) and generation of carbon quantum dots (CQDs) at super-threshold potential (>1.23V)., The invention also relates to the efficient use of the said carbon cloth as counter electrode in Dye Sensitized Solar Cells (DSSCs).

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

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPLICATOR BODY DISPENSING MACHINE :B65D (71)Name of Applicant : (51) International classification 47/00 1)L'OREAL Address of Applicant :14, rue Royale, 75008 PARIS, (31) Priority Document No :NA (32) Priority Date :NA FRANCE (33) Name of priority country (72)Name of Inventor : :NA (86) International Application No :NA 1)GAURAV AGARWAL 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 :

This applicator body dispensing machine (10) comprises a substrate roll (70) comprising a substrate (62), the substrate (62) being intended to be unrolled to form a plurality of applicator bodies (12), at least one cosmetic product tank (50), each cosmetic product tank (50) containing a cosmetic product (14) intended to be applied on the substrate (62), at least one cosmetic product dispensing element (52) for dispensing cosmetic product (14) on the substrate (62), an applicator body delivering mechanism (44). It comprises also an applicator body shape cutting mechanism (60), intended to define a shape of the applicator body (12) on the substrate (62). The applicator delivering mechanism (44) is able to deliver a chosen number of individual cosmetic applicator bodies (12) impregnated with cosmetic product (14) out of the machine.

No. of Pages : 17 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : COPLANAR | MICROWAVE SENSOR | R |
|---|------------------|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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)INDIAN INSTITUTE OF TECHNOLOGY KANPUR Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY KANPUR, KANPUR -208 016, UTTAR PRADESH India (72)Name of Inventor : 1)AKHTAR, Mohammad Jaleel 2)MAKKATTARY, Shaji |

(57) Abstract :

The subject matter describes a coplanar microwave sensor (10) for measuring dielectric properties of materials. The coplanar microwave sensor (10) includes a planar dielectric substrate (12), and planar transmission lines on a first surface of the planar dielectric substrate (12). The planar transmission lines include two ground line conductors (14) separated by a gap, and a central line conductor (16) within the gap between the two ground line conductors (14). A height of the planar dielectric substrate (12) is more than two times a width of the gap between the two ground line conductors (14).

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

(21) Application No.2555/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H04L25/02 | (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/SE2011/051314 | 1)HLANDER Mats |
| Filing Date | :03/11/2011 | 2)SANDBERG David |
| (87) International Publication No | :WO 2013/066224 | 3)HUSS Fredrik |
| (61) Patent of Addition to Application | :NA | 4)ARVIDSSON Pontus |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : CHANNEL ESTIMATION USING REFERENCE SIGNALS

(57) Abstract :

Embodiments herein relate to a method in a radio network node (12) for estimating channel gain over frequencies of a bandwidth in a radio communications network (1) which radio network node (12) serves a user equipment (10) in the radio communications network (1). The radio network node (12) measures a first channel gain based on a received power of a sounding reference signal over a first set of frequencies from the user equipment (10) which first set of frequencies is comprised in the frequencies of the bandwidth. Furthermore the radio network node (12) measures a second channel gain based on a received power of a received demodulation reference signal of a physical uplink shared channel over a second set of frequencies from the user equipment (10) which second set of frequencies is comprised in the frequencies of the bandwidth. The radio network node (12) then estimates a third channel gain over the frequencies of the bandwidth based on the measured first channel gain and the measured second channel gain.

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

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : VIRAL CLE | ARANCE METHODS | |
|---|----------------|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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)HUMAN GENOME SCIENCES INC. Address of Applicant :2711 Centerville Road Suite 400 Wilmington Delaware 19808 U.S.A. (72)Name of Inventor : 1)GALPERINA Olga |

(57) Abstract :

The invention provides methods for separating a polypeptide of interest (such as an antibody) from a virus. In some embodiments the methods involve eluting the polypeptide of interest from a Protein A resin with an elution buffer have a particular range of conductivity values that minimizes the amount of virus that co elutes with the polypeptide of interest.

No. of Pages : 40 No. of Claims : 27

(21) Application No.1542/DELNP/2014 A

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : BIOCIDAL COMPOSITIONS AND METHODS OF USE

| classification:A01N33/08,A01N57/20,A01N57/34(31) Priority Document No:61/534975(32) Priority Date:15/09/2011 | (71)Name of Applicant : 1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant :2040 Dow Center Midland MI 48674 U.S.A. (72)Name of Inventor : 1)YIN Bei 2)TINETTI Sheila M. |
|--|--|
|--|--|

(57) Abstract :

Provided are biocidal compositions comprising: a hydroxymethyl substituted phosphorus compound and 2 (decylthio)ethanamine compound. The compositions are useful for controlling microorganisms in aqueous or water containing systems.

No. of Pages : 11 No. of Claims : 10

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : NATUROTHERAPY TECHNIQUES FOR TREATMENT OF PROBLEMS RELATING TO SPINAL CORD AND VARIED PROBLEMS IN THE HUMAN BODY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :A61B 17/00 :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)Sunil Kumar Gupta Address of Applicant :77, PREM NAGAR, SHAKTI NAGAR, DELHI 110007 Delhi India 2)Barbie Gupta (72)Name of Inventor : 1)Sunil Kumar Gupta 2)Barbie Gupta |
|--|--|--|
| e | | · · |
| | | · · |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention is technique depends upon the jerk pressure applied on the backbone. The jerk pressure applied on the backbone stimulate nervous system of the spinal cord which in turns stimulate all the vital organs of the body by transmitting signals through neurons in the form of chemicals. The technique is a kind of pressure applied from the back and is used by an expert only. This technique helps the patient to cure from various diseases and within no time.

No. of Pages : 6 No. of Claims : 3

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : HIGH REFRACTIVE INDEX AND HIGH SCATTERING NANO COMPOSITE FOR ENHANCING LIGHT EXTRACTION

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :G02F1/00,B29D11/00,G02B6/00 :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)MOSER BAER INDIA LIMITED Address of Applicant :43B, OKHLA INDUSTRIAL ESTATE NEW DELHI - 110020. INDIA Delhi India (72)Name of Inventor : 1)AMITAVA MAJUMDAR 2)PINAKI RAJAN SAMANTA 3)SUPRATIM CHATTOPADHYAY |
|---|--|--|
| 11 | :NA :NA :NA | |

(57) Abstract :

The present invention provides a lighting device and a light extraction layer for use on an emissive surface of a lighting device. The light extraction layer includes a curable organic material, a first set of particles and a second set of particles. The curable organic material includes an oligomer component and a monomer component. The first set of particles are uniformly distributed in the curable organic material and each of the first set of particles has dimensions up to l0nm and are configured to increase overall refractive index of the curable organic material. Similarly, the second set of particles are uniformly distributed in the curable of the second set of particles have dimensions ranging from 200nm to 600nm, and are configured to increase scattering property of the curable organic material.

No. of Pages : 37 No. of Claims : 10

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF CHLORINE USING A CERIUM OXIDE CATALYST IN AN ADIABATIC REACTION CASCADE

| (51) International classification (31) Priority Document No (32) Priority Date (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 | .02/07/2011 | (71)Name of Applicant : 1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Str. 10 40789 Monheim Germany (72)Name of Inventor : 1)SCHMIDT Timm 2)WOLF Aurel 3)SCHLTER Oliver Felix Karl 4)WESTERMANN Thomas 5)MONDELLI Cecilia 6)PEREZ RAMIREZ Javier 7)SOERIJANTO Hary 8)SCHOM,,CKER Reinhard 9)TESCHNER Detre 10)SCHL-GL Robert |
|---|-------------|--|
|---|-------------|--|

(57) Abstract :

A process for the production of chlorine by thermo catalytic gas phase oxidation of hydrogen chloride and oxygen is described the process comprising at least (1) a cerium oxide catalyst and (2) an adiabatic reaction cascade containing at least two adiabatic stages connected in series with intermediate cooling wherein the molar OHC1 ratio is equal or above 0 75 in any part of the cerium oxide catalyst beds.

No. of Pages : 26 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR MANUFACTURING TUBE PLATE FIN HEAT EXCHANGERS

| (51) International classification | :B23K35/363,F28F21/08 | (71)Name of Applicant : |
|--|-----------------------|---|
| (31) Priority Document No | :20111564 | 1)NORSK HYDRO ASA |
| (32) Priority Date | :14/11/2011 | Address of Applicant : P.O. Box 980 Sk, yen N 0240 Oslo |
| (33) Name of priority country | :Norway | Norway |
| (86) International Application No | :PCT/NO2012/000057 | (72)Name of Inventor : |
| Filing Date | :08/10/2012 | 1)NORDLIEN Jan Halvor |
| (87) International Publication No | :WO 2013/073947 | 2)JANSSEN Harmut |
| (61) Patent of Addition to Application | :NA | 3)GUILLAUME Thierry |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

Method for manufacturing tube fin heat exchangers (TFP) by brazing metal components of mainly aluminium or aluminium alloys including the following steps: making the components of the TFP heat exchanger including the tubes (2) and plate fins (6) with collars (7) providing a pre braze coating with filler material on the tubes (2) or providing a (welded) clad tube (2) with a flux coating assembling the components including attaching the fins (6) to the tubes (2) heating the assembled components forming the brazed connection between the tubes (2) and fins (6).

No. of Pages : 18 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| :H01R13/42 | (71)Name of Applicant : |
|--------------------|---|
| :2011245528 | 1)SUMITOMO WIRING SYSTEMS LTD. |
| :09/11/2011 | Address of Applicant :1 14 Nishisuehiro cho Yokkaichi sh |
| :Japan | Mie 5108503 Japan |
| :PCT/JP2012/067185 | (72)Name of Inventor : |
| :05/07/2012 | 1)TANIKAWA Naotaka |
| :WO 2013/069337 | 2)IMAI Yuujirou |
| •NI A | |
| | |
| INA | |
| :NA | |
| :NA | |
| | :2011245528 :09/11/2011 :Japan :PCT/JP2012/067185 :05/07/2012 :WO 2013/069337 :NA :NA :NA |

(54) Title of the invention : CONNECTOR

(57) Abstract :

A connector (10) includes a female housing (20) for accommodating female terminals (24) and a retainer (40) mountable into this female housing (20). The retainer (40) includes a retaining portion (41) which retains the female terminals (24) by being inserted into a retainer mounting hole (27) provided in the female housing (20), and lock pieces (46) which are arranged adjacent to the retaining portion (41) in a direction intersecting with an inserting direction of the retaining portion (41) while standing up from base bodies (45) integrally formed to the retaining portion (41), resiliently deformed with base end parts coupled to the base bodies (45) as support points by moving onto partial locking projections (30) and full locking projections (31) formed in the female housing (20), and resiliently restored to be engaged with the partial locking projections (30) and the full locking projections (31). The lock pieces (46) are separated from the retaining portion (41).

No. of Pages : 30 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :C08J3/12,C08J3/24,C08J5/04 | (71)Name of Applicant : |
|---|-----------------------------|---|
| (31) Priority Document No | :1115168.5 | 1)BAE SYSTEMS PLC |
| (32) Priority Date | :02/09/2011 | Address of Applicant :6 Carlton Gardens London SW1Y 5AD |
| (33) Name of priority country | :U.K. | U.K. |
| (86) International Application No | :PCT/GB2012/052041 | (72)Name of Inventor : |
| Filing Date | :21/08/2012 | 1)BAKER David |
| (87) International Publication No | :WO 2013/030536 | 2)REZAI Amir |
| (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 : CURABLE MONOMERS

(57) Abstract :

The invention relates to methods and novel a powdered curable monomer which may be used to manufacture bulk polymers adhesives and coatings composite materials with high percentage weight inclusions of particulate filler materials more specifically to fibre reinforced polymer composite materials with high percentage weight inclusions of particulate filler materials. The preferred particulate filler materials are carbon nanotubes. The method according to the invention allows greater than 0.5wt% of carbon nanotubes typically greater 10%wt of carbon nanotubes or other high aspect ratio fillers to be readily incorporated in the resin matrix before being applied to the fibre reinforcing plys.

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

(21) Application No.2548/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

| (54) The of the invention . DENTORE A | | |
|--|--------------------|--|
| | | |
| (51) International classification | :A61K6/00 | (71)Name of Applicant : |
| (31) Priority Document No | :61/546119 | 1)THE PROCTER & GAMBLE COMPANY |
| (32) Priority Date | :12/10/2011 | 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/IB2012/055314 | (72)Name of Inventor : |
| Filing Date | :03/10/2012 | 1)RAJAIAH Jayanth |
| (87) International Publication No | :WO 2013/054236 | 2)BAIG Arif Ali |
| (61) Patent of Addition to Application | :NA | 3)LEONARD Robert Scott |
| Number | :NA :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : DENTURE ADHESIVE COMPOSITIONS

(57) Abstract :

A denture adhesive composition having a denture adhesive component and a cohesion builder component. The cohesion builder component may be of salts of mono phosphates salts of di phosphates or salts of tri phosphates.

No. of Pages : 41 No. of Claims : 13

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEMS FOR INJECTING CATALYSTS AND/OR ADDITIVES INTO A FLUIDIZED CATALYTIC CRACKING UNIT AND METHODS OF MAKING AND 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 | :18/10/2012 :WO 2013/059435 :NA :NA :NA | (71)Name of Applicant : 1)W. R. GRACE & CO. CONN. Address of Applicant :7500 Grace Drive Columbia Maryland 21044 U.S.A. (72)Name of Inventor : 1)ALBIN Lenny Lee |
|--|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Systems for loading catalyst and/or additives into a fluidized catalytic cracking unit are disclosed. Methods of making and using the systems are also disclosed.

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

(19) INDIA

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : ENGINE POWER GENERATOR | | |
|--|---|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 :F02B63/04,F01P11/10,F01P11/12 :2011201658 :15/09/2011 :Japan :PCT/JP2012/072951 :07/09/2012 :WO 2013/039011 :NA :NA :NA | (71)Name of Applicant : 1)YANMAR CO.LTD. Address of Applicant :1 9TsurunochoKita kuOsaka shi Osaka (72)Name of Inventor : 1)YAGI Yukio 2)MORIOKA Yasuo |

(57) Abstract :

The purpose of the present invention is to solve the problems of easily sucking in air and dust from an air intake duct when an engine power generator is set up in a harsh environment with a lot of dust and easily causing engine performance degradation or failure due to introducing contaminated air containing dust into a package compartment and engine. This engine power generator (1) is provided with: an engine (21); a generator (38) that generates electricity by driving the engine (21); a package compartment (2) that houses the engine (21) and the generator (38); a ventilation compartment (3) having a filter member (9) for air purification; a linking duct (11) that links the ventilation compartment (3) and the package compartment (2); and an air blowing fan (12) that supplies air to the package compartment (2) via the linking duct (11) from the ventilation compartment (3).

No. of Pages : 39 No. of Claims : 8

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS OF N METHYL 2 [3 ((E)-2-PYRIDIN -2- YL -VINYL) -1H-INDAZOL -6 - YLSULFANYL]-BENZAMIDE

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K9/28,A61K31/4439 :61/541525 :30/09/2011 :U.S.A. :PCT/IB2012/055126 :26/09/2012 :WO 2013/046133 :NA :NA :NA :NA | (71)Name of Applicant : 1)PFIZER INC. Address of Applicant :235 East 42nd Street New York New York 10017 U.S.A. (72)Name of Inventor : 1)GIERER Daniel Scott 2)MORGADO James Eric 3)MURPHY Brendan John 4)SIMMONS Daryl Michael |
|---|---|---|
|---|---|---|

(57) Abstract :

The present invention relates to pharmaceutical compositions containing axitinib, which is known as N-methyl-2-[3- ((E)-2-pyridin-2-yl-vinyl)- lH-indazol-6-ylsulfanyl]- benzamide or 6-[2-(methylcarbamoyl)phenylsulfanyl]-3-E-[2-(pyridin-2-yl)ethenyl]indazole, or crystalline forms thereof, that protect axitinib from degradation, including photodegradation, as well as the therapeutic use of such compositions. The present invention also relates to novel photodegradants of axitinib.

No. of Pages : 89 No. of Claims : 28

(21) Application No.19/DELNP/2014 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : CHARGING ID CORRELATION IN AN IMS 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 | :PCT/EP2011/061727 :11/07/2011 :WO 2013/007291 :NA :NA | (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (publ) Address of Applicant :S 164 83 Stockholm Sweden (72)Name of Inventor : 1)FORSBERG Mikael 2)DAHL Jan 3)KARLSSON Hkan 4)OLSSON John |
|--|--|---|
| Number Filing Date | :NA | |

(57) Abstract :

In a method of correlating information relating to messages in a SIP session a first SIP message that includes a first IMS Charging Identifier ICID is received. The first SIP message is retargeted by generating a second SIP message that includes a second ICID. A reference to the first ICID is i nserted into the second S I P message. Information relating to the first SI P message is correlated with information relating to the second SIP message based on the first ICID and the reference to the first ICID in the second SIP message.

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

(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SOLAR PANEL MOVES WITH RESPECT TO SUN BY MECHANICAL LINKAGES.

| (51) International classification (31) Priority Document No (32) Priority Date (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)PRADEEP KUMAR Address of Applicant :HOUSE NO.543, OPPOSITE N-BLOCK, PRATAP VIHAR, VIJAY NAGAR, GHAZIABAD, U.P. Uttar Pradesh India (72)Name of Inventor : 1)PRADEEP KUMAR |
|--|--|--|
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

A solar tracker device based on a mechanical technique adapted to move solar panel according to SUN. The device enables building large solar fields or solar plants with a large number of panels to move with respect to sun or perpendicular to the suns rays in a day in any place.

No. of Pages : 17 No. of Claims : 3

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND SYSTEM FOR ASSOCIATING DEVICES WITH A COVERAGE AREA FOR A CAMERA

| (51) International classification | :G06F15/173 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/227575 | 1)SCHNEIDER ELECTRIC IT CORPORATION |
| (32) Priority Date | :08/09/2011 | Address of Applicant :132 Fairgrounds Road West Kingston |
| (33) Name of priority country | :U.S.A. | RI 02892 U.S.A. |
| (86) International Application No | :PCT/US2012/053980 | (72)Name of Inventor : |
| Filing Date | :06/09/2012 | 1)KINGSLEY Scott Michael |
| (87) International Publication No | :WO 2013/036654 | |
| (61) Patent of Addition to Application | ·NT A | |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | L |

(57) Abstract :

A system and method for managing at least one camera having a coverage area within a data center is disclosed. In one aspect a method includes obtaining by a computer identification information for at least one data center device within the data center from a data center management system through a communications network associating the at least one data center device with the at least one camera based on the identification information for the at least one data center device and displaying at least one image captured by the at least one camera associated with the at least one data center device in response to the data center management system detecting an event associated with the at least one data center device.

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

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR OXIDIZING ALKYL AROMATIC COMPOUNDS

| classification :C0/C51/265,C0/C63/26,C0/C2//10 (31) Priority Document No :13/340253 (32) Priority Date :29/12/2011 | (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)BHATTACHARYYA Alakananda 2)WALENGA Joel T. |
|--|---|
|--|---|

(57) Abstract :

A process for oxidizing an alkyl aromatic compound is described. The process includes oxidizing the alkyl aromatic compound to produce a first oxidation product; contacting at least a portion of the first oxidation product a solvent comprising an ionic liquid a bromine source a catalyst and an oxidizing agent to produce a second oxidation product comprising at least one of an aromatic alcohol an aromatic aldehyde an aromatic ketone and an aromatic carboxylic acid.

No. of Pages : 18 No. of Claims : 10

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS FOR CO PRODUCTION OF ALKYLBENZENE AND BIOFUEL FROM NATURAL OILS USING HYDROCRACKING

| (31) Priority Document No (32) Priority Date (33) Name of priority country | :C10G69/12,C07C15/073,C07C2/64 :13/242825 :23/09/2011 :U.S.A. | (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)ANUMAKONDA Amarendra |
|--|--|--|
| (87) International Publication | :21/08/2012 | 2)RAGHURAM Srikantiah 3)DA SILVA FERREIRA ALVES Joao Jorge 4)BOZZANO Andrea G. |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application | :NA :NA | |

(57) Abstract :

EMBODIMENTS OF METHODS FOR CO PRODUCTION OF LINEAR ALKYLBENZENE AND BIOFUEL FROM A NATURAL OIL ARE PROVIDED. A METHOD COMPRISES THE STEP OF DEOXYGENATING THE NATURAL OILS TO FORM PARAFFINS. A FIRST PORTION OF THE PARAFFINS IS HYDROCRACKED TO FORM A FIRST STREAM OF NORMAL AND LIGHTLY BRANCHED PARAFFINS IN THE C TO C RANGE AND A SECOND STREAM OF ISOPARAFFINS. THE FIRST STREAM IS DEHYDROGENATED TO PROVIDE MONO OLEFINS. THEN BENZENE IS ALKYLATED WITH THE MONO OLEFINS UNDER ALKYLATION CONDITIONS TO PROVIDE AN ALKYLATION EFFLUENT COMPRISING ALKYLBENZENES AND BENZENE. THEREAFTER THE ALKYLBENZENES ARE ISOLATED TO PROVIDE THE ALKYLBENZENE PRODUCT. A SECOND PORTION OF THE PARAFFINS AND THE ISOPARAFFINS ARE PROCESSED TO FORM BIOFUEL.

No. of Pages : 15 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61M5/32 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2011 112 021.5 | 1)HAINDL Hans |
| (32) Priority Date | :31/08/2011 | Address of Applicant :Georgsplatz 1 30974 Wennigsen |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/066945 | (72)Name of Inventor : |
| Filing Date | :31/08/2012 | 1)HAINDL Hans |
| (87) International Publication No | :WO 2013/030327 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .1 17 1 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : CANNULA THAT REDUCES PUNCTURE PARTICLES

(57) Abstract :

The present invention relates to a novel cut for a cannula (1) that reduces puncture particles in particular a cannula that reduces puncture particles and that has a bevelled end (6) and to a method for producing a cannula that reduces puncture particles.

No. of Pages : 20 No. of Claims : 17

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A HYDROELECTRIC TURBINE COIL ARRANGEMENT

| () II - J - I - J - I - I - I - I - I - I | (71)Name of Applicant : 1)OPENHYDRO IP LIMITED Address of Applicant :South Dock House Hanover Quay Dublin 2 Ireland (72)Name of Inventor : 1)SPOONER Edward |
|---|--|
|---|--|

(57) Abstract :

The present invention provides a hydroelectric turbine for generating electricity by extracting power from the tidal flow of water through the turbine the turbine comprising a shaftless rotor which results in the eccentric rotation of the rotor relative to the stator which can result in uneven generation of power through differences in the spacing between rim mounted magnets and coils forming a generator of the turbine the turbine thus employing groupings of equally spaced and serially connected coils.

No. of Pages : 15 No. of Claims : 6

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD OF TRANSFORMING A MEAL

| (51) International classification (31) Priority Document No (32) Priority Date (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/US2011/047885 :16/08/2011 :WO 2013/025201 :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)EDENS Neile K. 2)GARLEB Keith A. 3)ANDERSON Pamela A. |
|---|--|--|
| Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed are methods of transforming a meal to improve the suitability of the meal for an individual with specific dietary needs that may be due to a medical condition. The methods include assessing the meal relative to the individual s dietary needs and administering a composition to the meal that tailors the meal to the dietary needs of the individual. The composition comprises a nutrient for fortifying the meal and an anti nutrient for reducing the absorption of undesirable components of the meal.

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

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SOLID FORMS OF A TRANSTHYRETIN DISSOCIATION INHIBITOR

| (51) International classification | :C07D263/57,A61K31/4245 | (71)Name of Applicant : |
|--|-------------------------|---|
| (31) Priority Document No | :61/535551 | 1)PFIZER INC. |
| (32) Priority Date | :16/09/2011 | Address of Applicant :235 East 42nd Street New York New |
| (33) Name of priority country | :U.S.A. | York 10017 U.S.A. |
| (86) International Application No | :PCT/IB2012/054748 | (72)Name of Inventor : |
| Filing Date | :12/09/2012 | 1)LABAUDINIERE Richard Frederic |
| (87) International Publication No | :WO 2013/038351 | 2)ONEILL Michael Henry |
| (61) Patent of Addition to Application | n.N.A | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application | | |
| Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

The present invention relates to solid forms of the N methyl D glucamine (meglumine) salt of 6 carboxy 2 (3 5 dichlorophenyl) benzoxazole and to methods for their preparation. The invention is also directed to pharmaceutical compositions containing at least one solid form and to the therapeutic or prophylactic use of such solid forms and compositions.

No. of Pages : 50 No. of Claims : 13

(21) Application No.1667/DELNP/2014 A

(19) INDIA (22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING A SENSOR ELEMENT (51) International classification :G01N27/407,G01N27/406 (71)Name of Applicant : (31) Priority Document No :10 2011 082 175.9 **1)ROBERT BOSCH GMBH** (32) Priority Date :06/09/2011 Address of Applicant :Postfach 30 02 20 70442 Stuttgart (33) Name of priority country :Germany Germany (86) International Application No (72)Name of Inventor : :PCT/EP2012/064393 **1)SCHNEIDER Jens** Filing Date :23/07/2012 (87) International Publication No :WO 2013/034352 2)DIEHL Lothar (61) Patent of Addition to Application **3)KLETT Sascha** :NA Number **4)SCHNEIDER Gerhard** :NA Filing Date

(62) Divisional to Application Number :NA Filing Date

(57) Abstract : A method is proposed for producing a sensor element (10) for detecting at least one property of a gas in a measurement space more particularly for detecting a gas component in the gas or a temperature of the gas. The method comprises the following steps: providing a sintered solid electrolyte (12) arranging a heating element (18) on or in the solid electrolyte (12) and the conjoint thermal treatment of the solid electrolyte (12) and the heating element (18).

:NA

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

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN EFFICIENT PROCESS FOR THE PREPARATION OF GLYCEROL CARBONATE AND GLYCIDOL

| (51) International classification | :B01J | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL |
| (32) Priority Date | :NA | RESEARCH |
| (33) Name of priority country | :NA | Address of Applicant : ANUSANDHAN BHAWAN, RAFI |
| (86) International Application No | | MARG, NEW DELHI-110001 INDIA Delhi India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)ASHUTOSH ANANT KELKAR |
| (61) Patent of Addition to Application Number | :NA | 2)VILAS HARI RANE |
| Filing Date | :NA | 3)MUDASSIR KHURSHEED MUNSHI |
| (62) Divisional to Application Number | :NA | 4)PRADEEP SHAMRAO BIRADAR |
| Filing Date | :NA | 5)SWAPNA MUGUTRAO GADE |

(57) Abstract :

The present invention discloses a process for the preparation of glycerol carbonate and glycidol by reacting dimethyl carbonate with glycerol in presence of ionic liquid as catalyst to obtain glycerol carbonate which i s in situ converted to glycidol. The invention further discloses novel ionic liquids.

No. of Pages : 29 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : RAPID AND ACCURATE ANALYSIS OF PROTEIN SIALYLATION

| (67) International Fublication :WO 2013/011178 (61) Patent of Addition to Application Number :NA (62) Divisional to Application :NA Number :NA | (32) Priority Date (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/ES2012/070501 :05/07/2012 :WO 2013/011178 :NA :NA | (71)Name of Applicant : 1)GRIFOLS S.A. Address of Applicant :C/ Jesus Y Maria 6 E 08022 Barcelona Spain (72)Name of Inventor : 1)WANG Zihao 2)SLOAN Jessica 3)WEE Kevin |
|---|---|--|--|
|---|---|--|--|

(57) Abstract :

The invention relates to methods and kits for the analysis of the sialylation of gluco proteins. The samples of gluco protein are incubated separately under three conditions: with beta galactosidase with beta galactosidase + alpha sialidase and without an enzyme. After the enzyme treatment high performance anion exchange chromatography with pulsed amperometric detection (HPAEC PAD) is used to make a quantitative determination of the total galactose in the sample the non sialylated galactose and the exogenous galactose in the medium. The determination of said values makes it possible to deduce the percentage of sialylation of the gluco protein.

No. of Pages : 38 No. of Claims : 6

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : FUEL DELIVERY SYSTEM FOR A VEHICLE

| (=) = ·) | :PCT/EP2012/072032 :07/11/2012 | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart (72)Name of Inventor : 1)KELLNER Andreas |
|--|---------------------------------------|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA ¹ :NA :NA | |

(57) Abstract :

The invention relates to a fuel delivery system (10) for a vehicle, comprising a predelivery pump (14) for pumping fuel out of a tank (100), a high-pressure pump (12) for feeding the fuel to a common rail system (24), and a filter (16) between the pre-delivery pump (14) and the high-pressure pump (12) for filtering the fuel. The pre-delivery pump (14) can be regulated, said pre-delivery pump (14) being regulated on the basis of a first fuel pressure upstream of the filter (16) and a second fuel pressure downstream of the filter (16).

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

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR CREATING A POSITIVE CONNECTION ON A HYDRAULIC UNIT OF A VEHICLE BRAKE SYSTEM

| (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/068736 :24/09/2012 | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany (72)Name of Inventor : 1)KISA Ugur |
|--|-----------------------------------|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

In a method for creating a positive connection, in particular on a hydraulic unit of a vehicle brake system, between a first component (12) and a second component (14), the following steps are carried out: providing the first component (12) on the second component (14), wherein a protrusion (24) is provided on the second component (14) in the region of the connection to be created; generating a pulsed electromagnetic field and shaping the protrusion (24) by means of the pulsed electromagnetic field in such a way that the protrusion (24) is shaped so as to move over the adjacent first component (12) to create the positive connection.

No. of Pages : 10 No. of Claims : 8

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

4)NENTWIG Godehard

(51) International classification :F01N3/20 (71)Name of Applicant : (31) Priority Document No **1)ROBERT BOSCH GMBH** :10 2011 087 288.4 (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :29/11/2011 (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2012/073794 (72)Name of Inventor : Filing Date :28/11/2012 **1)GANSEL Rainer** (87) International Publication No :WO 2013/079509 2)KERST Andreas (61) Patent of Addition to Application **3)MEINGAST Ulrich**

(54) Title of the invention : EXHAUST GAS AFTERTREAMENT SYSTEM AND METHOD FOR INTRODUCING A REDUCTANT INTO AN EXHAUST GAS CHANNEL OF AN INTERNAL COMBUSTION ENGINE

:NA

:NA

:NA

:NA

(57) Abstract :

Filing Date

Filing Date

(62) Divisional to Application Number

Number

The invention relates to an exhaust gas aftertreament system (10) and a method for introducing a reductant (42) into an exhaust gas channel (20) of an internal combustion engine (5). The exhaust gas aftertreament system (10) comprises a reservoir (40), a metering pump (55), a mixing chamber (70), and a compressed-gas supply (30). The metering pump (55) introduces the reductant (42) from the reservoir (40) into the mixing chamber (70), wherein the compressed-gas supply (30) introduces a gas (33) into the mixing chamber (70) in such a way that the reductant (42) is atomized. The mixing chamber (70) is arranged at a distance from the metering pump (55), wherein the metering pump (55) supplies the mixing chamber (70) with reductant (42) by means of a reductant line (60). The mixing chamber (70) is arranged directly at an area of the exhaust gas channel (20) that conducts exhaust gas. The metering pump (55) meters the reductant (42) to the exhaust gas channel (20).

No. of Pages : 18 No. of Claims : 10

(19) INDIA

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

(54) Title of the invention : SHOT PROCESSOR

(43) Publication Date : 30/01/2015

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|--|--------------------|--|
| | | |
| (51) International classification | :B24C3/24,B24C9/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2011158427 | 1)SINTOKOGIO LTD. |
| (32) Priority Date | :19/07/2011 | Address of Applicant :11 11 Nishiki 1 chome Naka ku Nagoya |
| (33) Name of priority country | :Japan | shi Aichi 4600003 Japan |
| (86) International Application No | :PCT/JP2012/062832 | (72)Name of Inventor : |
| Filing Date | :18/05/2012 | 1)YAMAMOTO Masatoshi |
| (87) International Publication No | :WO 2013/011736 | |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A rotation shaft member (46) disposed at a ceiling portion (14U) of a rotary (14) allows a processing target (W) to be hung and supported in a processing room (R1). The rotary (14) is revolved around a circumference of a shaft line in a vertical direction of the processor by a rotary driving unit (60) and is capable of rotating around a projection area (40B). The rotary (14) first stops three positions of the projection area (40B) as revolution stop positions of the processing target (W) by using the rotary driving unit (60). The processing room (R1) has a three room parallel structure in a circumferential direction of the rotary (14). When the rotary (14) is first stopped at the revolution stop position where projection is conducted onto the processing target (W) one of the processing rooms (R1) is disposed at an import area (40A) and another room among the processing rooms (R1) is disposed at an export area (40C) at the same time.

No. of Pages : 76 No. of Claims : 5

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN IMPROVED RADIATOR UNIT OF ENGINE COOLANT CIRCUIT OF VEHICLE

(57) Abstract :

This invention relates to an improved radiator unit of engine coolant circuit of vehicle comprising of an upper tank with an inlet in flow communication with a lower tank with an outlet for coolant wherein a reservoir together with a level sensor is mounted on said lower tank. The invention is having following advantageous features:- Detection of coolant level, - Signal in anticipation prior to any severe damage to the engine due to loss of coolant from the engine, - Signal for user just after the ignition on, - Enhanced safety of users, -Increase in customer satisfaction and - Prevention of natural resources.

No. of Pages : 11 No. of Claims : 10

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING AUTOMATIC REGISTRATION WITH DUAL AUTHENTICATION FOR WIRLESS DEVICE

| (51) International classification | :H04W84/00 | (71)Name of Applicant : |
|---|------------|---|
| (31) Priority Document No | :NA | 1)MVENTUS SOLUTIONS PRIVATE LIMITED |
| (32) Priority Date | :NA | Address of Applicant :UNIT NO. 1006, 10TH FLOOR, BPTP |
| (33) Name of priority country | :NA | PARK CENTRA, NH-8, SECTOR-30, GURGAON - 122001, |
| (86) International Application No | :NA | HARYANA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)SANDEEP MITTAL |
| (61) Patent of Addition to Application Number | :NA | 2)RAJESH SAO |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method and apparatus for registering and authenticating an application on a portable computing device (PCD) is provided. An Automatic Registration Dual Authentication Unit (ARDAU) as described sends a request to get a security token and intercepts and interprets received security token to complete the registration or activation process from any application. A user, using the ARDAU may only need to click register link once. A send request for security token message is performed automatically by Messaging Request Sender Module (MRSM). Similarly a response received for security token message is performed by Security Token Receiver Module (STRM). The Registration Request Processor Module (RRPM) sends the registration information along with security token to the User Authentication Engine (UAE) to complete the registration request. The embodiments may hardcoded in the device and the network. The embodiments described, register an application /user in PCDs using dual authentication without any / little user intervention.

No. of Pages : 34 No. of Claims : 15

(21) Application No.505/DELNP/2014 A

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification | :G01H7/00 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :61/511041 | 1)SEXTON Robert J. |
| (32) Priority Date | :23/07/2011 | Address of Applicant :247 Bayshore Drive Hendersonville TN |
| (33) Name of priority country | :U.S.A. | 37075 U.S.A. |
| (86) International Application No | :PCT/US2012/047896 | 2)SEXTON Matthew C. |
| Filing Date | :23/07/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/016304 | 1)SEXTON Robert J. |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 2)SEXTON Matthew C. |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alastina et i | | • |

(54) Title of the invention : DEVICE METHOD AND SYSTEM FOR MAKING MUSIC

(57) Abstract :

A music device for making music includes a first input part for generating a first signal based on a user input a music signal generator for generating a music signal based on the first signal a second input part for generating a second signal based on a user input the second signal controlling the music signal generator and the second input part including a plurality of first buttons which correspond to a range including at least one of a key a note and a chord and a plurality of second buttons which correspond to at least one of a note and a musical scale with in the range.

No. of Pages : 71 No. of Claims : 25

(21) Application No.543/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MAGNETIZING INRUSH CURRENT SUPPRESSING 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 | :H01H33/39,H01H9/36,H01H33/44 :2011201156 :14/09/2011 :Japan :PCT/JP2012/072045 :30/08/2012 :WO 2013/038919 :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)KOSHIZUKA Tadashi 2)SAITO Minoru 3)MARUYAMA Shiro 4)MAEHARA Hiroyuki 5)SUZUKI Koji |
|--|---|--|
| (62) Divisional to Application | :NA :NA | |

(57) Abstract :

A magnetizing inrush current suppressing device (6) for controlling a breaker (2) that opens and closes connection of a transformer (3) which includes a Y connected primary winding (301) and secondary wiring (302) and a connected tertiary winding (303) and a power supply bus conductor (1) so as to suppress the magnetizing inrush current wherein a three phase AC voltage of the power supply bus conductor (1) is measured steady magnetic fluxes among the three lines of the tertiary winding (303) are calculated each terminal voltage of the tertiary winding (303) of the transformer (3) is measured residual magnetic fluxes among the three lines of the tertiary winding (303) are calculated and the breaker (2) is input simultaneously in three phases at an input target phase at which the magnetizing inrush current is suppressed of the phases at which the steady magnetic flux and the residual magnetic fluxes among the three lines of the residual magnetic fluxes among the three lines of the residual magnetic fluxes among the three lines of the residual magnetic flux match between the lines of the residual magnetic fluxes having the smallest absolute value of the residual magnetic fluxes among the three lines.

No. of Pages : 47 No. of Claims : 7

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : RECEPTION DEVICE RECEPTION METHOD PROGRAM AND INFORMATION PROCESSING 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 | :61/531360 :06/09/2011 :U.S.A. :PCT/JP2012/071969 :30/08/2012 :WO 2013/035618 :NA :NA :NA | (71)Name of Applicant : 1)SONY CORPORATION Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 Japan 2)SONY ELECTRONICS INC. (72)Name of Inventor : 1)KITAZATO Naohisa 2)EYER Mark |
|--|---|---|
| Filing Date | :NA | |

(57) Abstract :

The present technology pertains to a reception device, recep tion method, program, and information processing system that enable the provision of an application program executed linked with AV content such as a digital television program. The reception device receives AV content, extracts trigger information for operating an application program executed linked to the AV content and transmitted together with the AV content, ac-quires a correspondence table that associates the trigger information with commands for controlling the operation of the application program, identifies a command corresponding to the extracted trigger information on the basis of the acquired correspondence table, and controls the operation of the application program in accordance with the identified command. The present technology, for example, can be applied to a television receiver that receives a digital television broadcast signal.

No. of Pages : 107 No. of Claims : 10

(21) Application No.2547/DELNP/2014 A

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : STEEL PLATE 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 | :C22C38/00,C21D9/46,C21D9/56 :2011221904 :06/10/2011 :Japan :PCT/JP2012/076025 :05/10/2012 :WO 2013/051714 :NA :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 : FUKUMOTO Yuji ARAMAKI Takashi YASUI Junichi HARADA Norimitsu |
|--|---|--|
|--|---|--|

(57) Abstract :

This steel plate has a steel structure obtained by soaking for a soaking time of 15 35 seconds inclusive in the two phase temperature region which is at least the Ac1 temperature and less than the Ac3 temperature then performing primary cooling within three seconds to the temperature region of 250 380°C inclusive at a cooling speed of 0.5 30°C/second inclusive and after the primary cooling holding for 180 540 seconds inclusive in the temperature region of 260 370°C inclusive. The steel plate has a yield ratio of no greater than 65% and a tensile strength of at least 590 MPa.

No. of Pages : 43 No. of Claims : 15

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMMUNICATION SYSTEM AND METHOD AND 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 (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) Divisional to Application Number Filing Date (64) Patent of Addition to (65) Divisional to (7) Divisional | Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor : 1)NISHIGORI Yutaka 2)IWAI Takanori |
|---|---|
|---|---|

(57) Abstract :

Provided are a system and a method that enable bearer aggregation enable suppression of increases in network resources and equipment and make it possible to avoid capturing more bandwidth than necessary. In configuring a tunnel between a user data gateway device (50) and a user data mobility provision device (40) on the basis of a request from a terminal (1) a single common aggregation tunnel (60) is setup for a terminal group that includes that terminal on the basis of subscriber information for the terminal

No. of Pages : 92 No. of Claims : 34

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : TURBOMACHINE FIXED WHEEL AND TURBINE OR COMPRESSOR COMPRISING SUCH A FIXED WHEEL

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :F01D9/04,F01D25/24 :1156710 :22/07/2011 :France :PCT/FR2012/051698 :18/07/2012 :WO 2013/014367 :NA :NA :NA | (71)Name of Applicant : SNECMA Address of Applicant :2 boulevard du Gnral Martial Valin F 75015 Paris France HERAKLES (72)Name of Inventor : BELMONTE Olivier BEAUJARD Antoine Jean Philippe |
|---|--|---|
|---|--|---|

(57) Abstract :

The invention relates to a turbine nozzle guide vane assembly comprising a plurality of vanes (12) made of composite material each vane comprising an inner platform (14) an outer platform (16) having on the outer side attachment tabs (162 164) and at least one blade section (18) extending between the inner and outer platforms and secured thereto. The vane attachment tabs are engaged on a metal mounting ring (20) supporting all of the vanes extending continuously along the outer platforms of adjacent vanes and forming a separate mounting piece between the vanes and a turbine casing (40).

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

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COSMETIC DERMATOLOGICAL OR PHARMACEUTICAL COMPOSITIONS COMPRISING ISOSORBIDE DIESTERS AND UV FILTERS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61K8/49,A61Q17/04 :10 2011 109 416.8 :04/08/2011 :Germany :PCT/EP2012/003249 :31/07/2012 :WO 2013/017260 :NA :NA :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 |
|---|--|--|
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(57) Abstract :

Cosmetic dermatological or pharmaceutical compositions are described comprising a) one or more compounds of the formula (I) in which R is a linear or branched saturated alkyl group having 5 to 11 carbon atoms or a linear or branched mono or polyunsaturated alkenyl group having 5 to 11 carbon atoms and b) one or more organic or inorganic UV filters.

No. of Pages : 52 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : OVOID TUNNEL GUIDE AND METHOD OF ACL RE CONSTRUCTION

| (51) International classification | :A61B17/17 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :13/251982 | 1)SMITH & NEPHEW INC. |
| (32) Priority Date | :03/10/2011 | 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/US2012/058563 | (72)Name of Inventor : |
| Filing Date | :03/10/2012 | 1)SMITH Graham |
| (87) International Publication No | :WO 2013/052547 | 2)GUTTERIDGE Alexander J. |
| (61) Patent of Addition to Application | :NA | 3)ROBINSON James R. |
| Number | :NA | 4)ELLIS Daniel B. |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(57) Abstract :

A guide apparatus (200) including a body (201) having a proximal end (202) a distal end (203) a hole (210) formed therethrough and a central axis (250) defined therethrough and a projection member (205) coupled to the distal end of the body. An outer diameter of the body is larger than an outer diameter of the projection member. Further the projection members does not obstruct a pathway defined by the hole.

No. of Pages : 30 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

| (51) Internetional aleraidian | (1017/04 | |
|--|--------------------|---|
| (51) International classification | :A61B17/04 | (71)Name of Applicant : |
| (31) Priority Document No | :13/251906 | 1)SMITH & NEPHEW INC. |
| (32) Priority Date | :03/10/2011 | Address of Applicant :1450 Brooks Road Memphis TN 38116 |
| (33) Name of priority country | :U.S.A. | U.S.A. |
| (86) International Application No | :PCT/US2012/000469 | (72)Name of Inventor : |
| Filing Date | :03/10/2012 | 1)WYMAN Jeffrey |
| (87) International Publication No | :WO 2013/055390 | 2)FERRAGAMO Michael C. |
| (61) Patent of Addition to Application | •NT A | 3)SANTANGELO Stephen A. |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : MENISCAL ROOT ATTACHMENT REPAIR

(57) Abstract :

An assembly for meniscal repair (100) including a first tissue fixation member (101) configured to secure a meniscal tissue a suture anchor (110) having a proximal end (111) a distal end (112) a central axis (150) defined therethrough an eyelet on the proximal end of the suture anchor and a textured outer surface and a first suture (105) configured to be coupled to the first tissue fixation member and configured to be received through the eyelet of the suture anchor.

No. of Pages : 19 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : WEAPON LAUNCHING SYSTEM FOR A PLATFORM SUCH AS A SURFACE SHIP (51) International classification :F41F3/08,B63G8/32 (71)Name of Applicant : (31) Priority Document No :1156812 1)DCNS (32) Priority Date :26/07/2011 Address of Applicant :40 42 rue du Docteur Finlay F 75015 (33) Name of priority country :France Paris France (86) International Application No :PCT/EP2012/064688 (72)Name of Inventor : Filing Date :26/07/2012 1)QUARAN Bruno (87) International Publication No :WO 2013/014229 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

This weapon launching system for a platform such as a surface ship (2) of the type comprising means (3) forming a launch tube having a first end for ejecting weapons and a second end intended to be associated with weapon launching means (4) is characterized in that the means forming launch tubes comprise several associated tubes (6) each housing one weapon and in that the launch means (4) comprise single means common to all the tubes supported by means (8) of moving these means into register with the tube from which the weapon is to be launched.

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

(19) INDIA

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : EXHAUST GAS PURIFICATION 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 (62) Divisional to Application Number | :NA :NA :NA :PCT/JP2011/070260 :06/09/2011 :WO 2013/035159 :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)SAKURAI Kenji 2)KIDOKORO Toru 3)IRISAWA Yasuyuki 4)MIYOSHI Yuji |
|--|---|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| | | |

(57) Abstract :

IN ORDER THAT WHEN ANOTHER CATALYST IS PROVIDED ON THE UPSTREAM SIDE FROM AN NOX SELECTIVE REDUCTION CATALYST BOTH THE CATALYSTS ARE PROPERLY RECOVERED FROM SULFUR POISONING THE PRESENT INVENTION IS PROVIDED WITH: AN NH GENERATION CATALYST WHICH IS PROVIDED IN AN EXHAUST PASSAGE OF AN INTERNAL COMBUSTION ENGINE AND GENERATES NH; AN NOX SELECTIVE REDUCTION CATALYST WHICH IS PROVIDED IN THE EXHAUST PASSAGE DOWNSTREAM FROM THE NH GENERATION CATALYST AND SELECTIVELY REDUCES NOX; AN UPSTREAM SIDE RECOVERY UNIT WHICH RECOVERS THE NH GENERATION CATALYST FROM SULFUR POISONING; AND A DOWNSTREAM SIDE RECOVERY UNIT WHICH RECOVERS THE NOX SELECTIVE REDUCTION CATALYST FROM SULFUR POISONING AFTER THE NH GENERATION CATALYST IS RECOVERED FROM THE SULFUR POISONING BY THE UPSTREAM SIDE RECOVERY UNIT.

No. of Pages : 39 No. of Claims : 7

(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR OPERATING A CONVERTER FOR A STARTER 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 | :P02IN11/08,P02IN11/10,H02P29/00 :10 2011 084 230.6 :10/10/2011 :Germany :PCT/EP2012/068421 :19/09/2012 | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart (72)Name of Inventor : 1)MEHRINGER Paul 2)BAUR Markus 3)MAGINI Fabio |
|---|--|--|
| Application Number Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a method for operating a converter for a starter motor in particular a belt driven starter motor of a vehicle comprising the steps of detecting a temperature of the converter and controlling a current supplied to the converter according to the detected temperature using a target temperature as a reference variable. The invention further relates to a converter for a starter motor of a vehicle said converter being able to perform the method according to the invention.

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

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM FOR PREVENTING DISASTERS CAUSED BY POWER SUPPLY AND DEMAND MISMATCHES

(57) Abstract :

The present invention relates to a system and configuration for automatically and economically preventing blackout-related disasters caused by power supply and demand mismatches, and more particularly, to an invention in which is disclosed a way of saving a significant fuel cost that is used for maintaining a reserve margin exceeding a certain level to prevent blackouts. The reserve margin monitoring system determines the level of risk of the reserve margin and causes a change from the qualitative physical values of an electrical wave at a basic frequency transferring the level of risk to each consumer - for example, the standard reference values of electrical quality such as voltage, frequency, distortion ratio, and phase shift of the electrical wave - to supply electricity to each consumer. The cabinet panel or individual electrical instrument of a consumer recognizes the level of risk and selectively and gradually controls only electrical loads having low priority by selectively, gradually, and automatically blocking terminal loads having low priorities according to priorities previously assigned to branch circuits below the cabinet panel, and increasing, decreasing, or controlling the load of each electrical Instrument, or changing a desired value that is obtained from a control operation performed by the load, so as to automatically avoid a disaster caused by a power supply and demand mismatch, thereby reducing fuel costs by properly lowering a reserve margin that has been excessively maintained.

No. of Pages : 39 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PAPER SHEET PROCESSING DEVICE (51) International classification :G07D9/00,B65H1/26,B65H31/22 (71)Name of Applicant : 1)HITACHI OMRON TERMINAL SOLUTIONS CORP. (31) Priority Document No :NA Address of Applicant :6 3 Osaki 1 chome Shinagawa ku (32) Priority Date :NA (33) Name of priority country :NA Tokvo 1418576 Japan (86) International Application (72)Name of Inventor : :PCT/JP2011/004199 1)AOJI Hirokazu No :26/07/2011 Filing Date 2)MIZUNO Sho (87) International Publication **3)NAKATA Yasuhiro** :WO 2013/014704 No 4)MIZUTANI Hiroshi (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

This paper sheet processing device is provided with: a banknote processing unit (10); a banknote storage unit (30) having a plurality of banknote storage parts (32) for separating and storing paper sheets; a transport mechanism for bidirectionally transporting the paper sheets via a connection mechanism (45) connected between the banknote processing unit (10) and the banknote storage unit (30); and a unit guide mechanism (50) that guides the banknote storage unit (30) in order to be stored in a drawer from a housing (102) and a storage space. The unit guide mechanism (50) has: a first sliding mechanism (52) which is positioned on the housing (102) and a storage body (31) and guides the storage body (31) from the storage space in a horizontal direction in order to store the storage body (31) in the drawer and the storage space; guide parts which are inside the housing (102) and are positioned along the connection mechanism (45) in the horizontal direction; and linked guide mechanisms (53) which are positioned on top of the banknote storage body (31) moves to a storage position from a drawer position and when the guided parts of the banknote storage parts (32) are guided the guided parts lift up from a state of being placed on the storage body (31) and the banknote storage parts (32) are set at connection points on the connection mechanism (45).

No. of Pages : 52 No. of Claims : 10

(19) INDIA(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ACOUSTIC ABSORBENT WALL COATING

| (86) International Application Not Filing Date (87) International Publication Not (61) Patent of Addition to Application Number | :16/07/2012 | (71)Name of Applicant : 1)SAINT GOBAIN ADFORS Address of Applicant :517 avenue de la Boisse F 73000 Chambery France (72)Name of Inventor : 1)BLANCHARD Benjamin 2)NIKAJ Erisela 3)CHUDA Katarzyna 4)BERGER Sylvain |
|---|-------------------|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

THE INVENTION RELATES TO A MULTILAYER ACOUSTIC ABSORBENT COATING COMPRISING (A) A SUPPORTING LAYER CONSISTING OF AN ORGANIC POLYMER FOAM HAVING AN OPEN POROSITY OF BETWEEN 0.50 AND 0.995 (B) A SURFACE LAYER FORMED BY A GLASS TEXTILE MATERIAL HAVING A STATIC RESISTANCE TO AIRFLOW OF BETWEEN 10N.S.M AND 10 N.S.M MEASURED ACCORDING TO THE ISO STANDARD 9053 AND (C) A DISCONTINUOUS ADHESIVE LAYER HAVING A MASS PER UNIT AREA OF BETWEEN 17 AND 60 G/M AT THE INTERFACE BETWEEN THE SUPPORTING LAYER (A) AND THE SURFACE LAYER (B). THE INVENTION ALSO RELATES TO A METHOD FOR PRODUCING SUCH A COATING AND TO THE USE OF SUCH A COATING FOR IMPROVING THE ACOUSTIC COMFORT OF A ROOM OR A BUILDING.

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

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : FUNNY CURRENT (IF) INHIBITORS FOR USE IN A METHOD OF TREATING AND PREVENTING HEART FAILURE IN FELINE

| (31) Priority Document No(32) Priority Date(33) Name of priority country | n :A61K9/00,A61K9/50,A61K31/55 :11177354.5 :12/08/2011 :EPO | 1)BOEHRINGER INGELHEIM VETMEDICA GMBH Address of Applicant :Binger Str. 173 55216 Ingelheim Am Rhein Germany |
|---|--|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/065704 :10/08/2012 :WO 2013/024036 | (72)Name of Inventor : 1)FOLGER Martin |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :NA :NA :NA | |
| Number Filing Date | :NA | |

(57) Abstract :

The present invention relates to an L blocker or a pharmaceutically acceptable salt thereof for the treatment and/ or o prevention of a feline patient suffering from heart failure (HF). The invention also relates to improving the quality of life, improving the general health condition as well as a prolonging the life expectancy in feline patients suffering from heart failure and/or heart failure due to one or more of the following etiologies HCM, DCM, RCM, UCM and /or ARVC.

No. of Pages : 35 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :01/04/2014

(54) Title of the invention : ACTIVE MATERIAL FOR BATTERIES

(43) Publication Date : 30/01/2015

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|--|---------------------|---|
| | | |
| (51) International classification | :H01M4/04,C01B31/00 | (71)Name of Applicant : |
| (31) Priority Document No | :102011084646.8 | 1)VOLKSWAGEN AG |
| (32) Priority Date | :17/10/2011 | Address of Applicant :Berliner Ring 2 38436 Wolfsburg |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/070049 | 2)ROCKWOOD LITHIUM GMBH |
| Filing Date | :10/10/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/057023 | 1)JEONG Sangsik |
| (61) Patent of Addition to Application | :NA | 2)BRESSER Dominic |
| Number | :NA :NA | 3)WINTER Martin |
| Filing Date | .11/1 | 4)PASSERINI Stefano |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(57) Abstract :

Method for producing an active material for batteries comprising the steps of providing electrochemically active particles optionally comminuting the electrochemically active particles adding an organic carbon compound optionally in a suitable organic solvent and mixing same and heating the mixture under protective gas to a temperature above the decomposition limit of the organic compound and below the decomposition temperature of the electrochemically active particles. The invention also relates to active materials produced in said manner and to corresponding applications and uses.

No. of Pages : 26 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SMOKING SYSTEM | | |
|---|--|---|
| (54) Title of the invention : SMOKING 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 | :A24F47/00,A24F5/04 :61/543841 :06/10/2011 :U.S.A. :PCT/IB2012/055287 :03/10/2012 :WO 2013/050934 :NA | (71)Name of Applicant : 1)SIS RESOURCES LTD. Address of Applicant :92B Nachal Arugot Street Ramat Beit Shemesh Israel (72)Name of Inventor : 1)LEVITZ Robert 2)PELEG Eyal |
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

In an electronic cigarette of the sort having a housing a power section (12) and an atomizer (14) at least a portion of a first flow stream (25) passes through the atomizer (14). A mixing valve within the housing has a first input that receives the first flow stream (25) and a second input receiving a second flow stream (20) that avoids the atomizing element (14) and an output (34) connected in fluid continuity to the opening in the proximal end wherein the output conducts a mixture of the first flow stream (25) and the second flow stream (20). The apparatus further includes a regulating element (42) for the mixing valve in order to control a composition of the mixture.

No. of Pages : 20 No. of Claims : 17

(21) Application No.555/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H01M4/02,B01J21/18 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :61/511322 | 1)PHILLIPS Howard |
| (32) Priority Date | :25/07/2011 | Address of Applicant :311 NW Chickasaw Street Millerton |
| (33) Name of priority country | :U.S.A. | OK 74750 U.S.A. |
| (86) International Application No | :PCT/US2012/048025 | (72)Name of Inventor : |
| Filing Date | :24/07/2012 | 1)PHILLIPS Howard |
| (87) International Publication No | :WO 2013/016367 | |
| (61) Patent of Addition to Application | -NT 4 | |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : METHODS AND SYSTEMS FOR PRODUCING HYDROGEN

(57) Abstract :

Exemplary embodiments of methods and systems for hydrogen production using an electro activated material are provided. In some exemplary embodiments carbon can be electro activated and used in a chemical reaction with water and a fuel such as aluminum to generate hydrogen where the by products are electro activated carbon and aluminum oxide or aluminum hydroxide. Controlling the temperature of the reaction and the amounts of aluminum and electro activated carbon can provide hydrogen on demand at a desired rate of hydrogen generation.

No. of Pages : 50 No. of Claims : 26

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR INTEGRATED ADSORPTIVE GAS SEPARATION OF COMBUSTION GASES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B01D53/04,B01D53/62 :61/504197 :02/07/2011 :U.S.A. :PCT/CA2012/050451 :29/06/2012 :WO 2013/003955 :NA :NA :NA :NA | (71)Name of Applicant : INVENTYS THERMAL TECHNOLOGIES INC. Address of Applicant :#108 3738 North Fraser Way Burnaby British Columbia V5J 5G7 Canada (72)Name of Inventor : BOULET Andre |
|---|--|--|
|---|--|--|

(57) Abstract :

An integrated fuel combustion system with adsorptive gas separation separates a portion of carbon dioxide from a combustion gas mixture and provides for recycle of separated carbon dioxide to the intake of the fuel combustor for combustion. A process for carbon dioxide separation and recycle includes: admitting combustion gas to an adsorptive gas separation system contactor containing adsorbent material; adsorbing a portion of carbon dioxide; recovering a first product gas depleted in carbon dioxide for release or use; desorbing carbon dioxide from the adsorbent material and recovering a desorbed second product gas enriched in carbon dioxide for sequestration or use: admitting a conditioning fluid into the contactor and desorbing a second portion of carbon dioxide to recover a carbon dioxide enriched conditioning stream; and recycling a portion of the carbon dioxide enriched conditioning stream to an inlet of fuel combustor to pass through the fuel combustor for combustion.

No. of Pages : 35 No. of Claims : 29

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ANTAGONISTS OF PRODUCTS OF THE HS.459642 UNIGENE CLUSTER FOR THE INHIBITION OF PROLIFERATION DEVELOPMENT OR DIFFERENTIATION OF STEM CELLS INCLUDING CANCER STEM CELLS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :12/09/2011 :U.S.A. :PCT/US2012/054567 :11/09/2012 :WO 2013/039859 :NA :NA :NA | (71)Name of Applicant : 1)TAU THERAPEUTICS LLC Address of Applicant :600 E. Water Street Suite E Charlottesville Virginia 22902 U.S.A. (72)Name of Inventor : 1)GRAY Lloyd S. |
|--|---|--|
| Application Number Filing Date | :NA | |

(57) Abstract :

The present disclosure provides methods and compositions for inhibiting the proliferation differentiation or development of stem cells and cancer stem cells in a patient in need thereof. The methods involve administering to a patient a therapeutically effective amount of an antagonist of an Hs.459642 Unigene Cluster product such as an inhibitor of CACNA1H. The compositions include an antagonist of an Hs.459642 Unigene Cluster product such as an inhibitor of CACNA1H. Specific antagonists such as antibodies and antisense oligonucleotides and combination therapy with one or more additional anti cancer agents are also provided by this disclosure. Such methods antagonists and compositions can be useful for example in the treatment of cancer.

No. of Pages : 37 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :23/01/2014

(54) Title of the invention : SWITCH COSTIMULATORY RECEPTORS

(43) Publication Date : 30/01/2015

| :A61K48/00,A61K38/17 | (71)Name of Applicant : |
|----------------------|---|
| :61/513259 | 1)THE TRUSTEES OF THE UNIVERSITY OF |
| :29/07/2011 | PENNSYLVANIA |
| :U.S.A. | Address of Applicant :Center For Technology Transfer 316 |
| :PCT/US2012/048543 | Chestnut Street Suite 200 Philadelphia PA 19104 6283 U.S.A. |
| :27/07/2012 | (72)Name of Inventor : |
| :WO 2013/019615 | 1)JUNE Carl H. |
| ·NA | 2)ZHAO Yangbing |
| :NA | |
| ٠NIA | |
| :NA :NA | |
| | :61/513259 :29/07/2011 :U.S.A. :PCT/US2012/048543 :27/07/2012 :WO 2013/019615 :NA :NA :NA |

(57) Abstract :

The present invention relates generally to a fusion protein that when displayed on a cell can convert a negative signal into a positive signal in the cell. The fusion protein is a chimeric protein in that the protein comprises at least two domains wherein the first domain is a polypeptide that is associated with a negative signal and the second domain is a polypeptide that is associated with a positive signal. Thus the invention encompasses switch receptors that are able to switch negative signals to positive signals for enhancement of an immune response.

No. of Pages : 80 No. of Claims : 12

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITIONS COMPRISING ISOSORBIDE MONOESTERS AND ISOTHIAZOLINONES

| classification (31) Priority Document No (32) Priority Date (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/EP2012/003247 :31/07/2012 :WO 2013/017258 :NA :NA | (71)Name of Applicant : CLARIANT INTERNATIONAL LTD Address of Applicant :Rothausstrasse 61 CH 4132 Muttenz Switzerland (72)Name of Inventor : PILZ Maurice Frederic KLUG Peter SCHERL Franz Xaver GROHMANN Joerg |
|--|--|--|
| Number | :NA :NA | |

(57) Abstract :

There are described compositions comprising a) one or more compounds of the formula (I) in which R is a linear or

branched saturated alkyl group having 5 to 11 carbon atoms or a linear or branched monounsaturated or polyunsaturated alkenyl group having 5 to 11 carbon atoms and b) one or more substances selected from the group consisting of isothiazolinones. The compositions are distinguished in particular by an advantageous antimicrobial activity.

No. of Pages : 90 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :30/01/2014

(54) Title of the invention : POWDER INHALING DEVICE

(43) Publication Date : 30/01/2015

| | | 1 |
|--|--------------------|--|
| | | |
| (51) International classification | :A61M15/00 | (71)Name of Applicant : |
| (31) Priority Document No | :1157410 | 1)APTAR FRANCE SAS |
| (32) Priority Date | :19/08/2011 | Address of Applicant :BP G Le Prieur F 27110 Le Neubourg |
| (33) Name of priority country | :France | France |
| (86) International Application No | :PCT/FR2012/051883 | (72)Name of Inventor : |
| Filing Date | :13/08/2012 | 1)COLOMB Arnaud |
| (87) International Publication No | :WO 2013/026976 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .INA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention relates to a powder inhaling device comprising a body (10) provided with a distribution opening (15) and a plurality of pre dosed receptacles (21) each containing a dose of powder to be distributed. Said plurality of receptacles (21) is formed on a long flexible blister strip (20) comprising a base layer (22) containing the cavities of the receptacles and a closing layer covering said cavities said closing layer (23) being peelable from the base layer (22). The base layer part (22) containing the empty blisters winds around a first rotary receiving element (40) and the closing layer part (23) peeled from said base layer (22) winds around a second rotary receiving element (50). Said second rotary receiving element (50) consists of two parts a first part forming a peeling wheel (51) and a second part forming a stretcher (52) that is locked onto said peeling wheel (51) and is rotatable in relation to said peeling wheel (51) only in a first direction of rotation. Said stretcher (52) comprises an attaching element (53) receiving the front end of the closing layer (23) each time the device is actuated. The stretcher (52) is rotatable in relation to the peeling wheel (51) in said first direction of rotation in order to stretch the closing layer (23) following the assembly of the blister strip (20) in the body (10).

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

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : TASTE MASKED PHARMACEUTICAL COMPOSITION FOR ORAL ADMINISTRATION AND A PROCESS FOR THE PREPARATION THEREOF

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | n :A61K9/20,A61K9/48,A61K47/02 :1020110108119 :21/10/2011 :Republic of Korea | (71)Name of Applicant : 1)DAEWOONG PHARMACEUTICAL CO. LTD. Address of Applicant :223 23 Sangdaewon dong Jungwon gu Seongnam si Gyeonggi do 462 120 Republic of Korea |
|---|---|---|
| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | :PCT/KR2012/008230 :11/10/2012 :WO 2013/058496 :NA | (72)Name of Inventor : 1)CHANG Hee Chul 2)PARK Sang Han 3)KANG Bok Ki |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

A pharmaceutical composition for oral administration wherein taste of the pharmaceutically active ingredient is masked prepared by wet granulation of a mixture of a pharmaceutically active ingredient at least one compound selected from the group consisting of magnesium aluminometasilicate and calcium silicate and a pharmacologically acceptable carrier and a method of preparing the pharmaceutical composition. The oral pharmaceutical composition may be prepared without using a costly special manufacturing system or additive have an off taste masking effect on active ingredients and exhibit an appropriate drug dissolution behavior in the body for manifestation of pharmaceutical effect. Also the oral pharmaceutical composition is compatible with both a water soluble active ingredient with high industrial applicability due to simple manufacturing processes and high economical efficiency and productivity. The oral pharmaceutical composition may be formulated in any of a variety of solid dosage forms with improved pharmaceutical characteristics.

No. of Pages : 28 No. of Claims : 12

(22) Date of filing of Application :24/01/2014

(54) Title of the invention : COMPOSITIONS COMPRISING ISOSORBIDE MONOESTERS AND HALOGENATED ANTIMICROBIAL ACTIVE SUBSTANCES

| (51) International classification (31) Priority Document No (32) Priority Date (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/EP2012/003251 :31/07/2012 :WO 2013/017262 :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 |
|--|---|--|
|--|---|--|

(57) Abstract :

There are described compositions comprising a) one or more compounds of the formula (I) in which R is a linear or

branched saturated alkyl group having 5 to 11 carbon atoms or a linear or branched monounsaturated or polyunsaturated alkenyl group having 5 to 11 carbon atoms and one or more halogenated antimicrobial active substances. The compositions are distinguished in particular by an advantageous antibacterial activity.

No. of Pages : 89 No. of Claims : 12

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : USE OF A CATALYST COMPRISING A PHOSPHORUS MODIFIED ZEOLITE IN AN ALCOHOL DEHYDRATION PROCESS

(57) Abstract :

The present invention relates in a first embodiment to the use of a catalyst to convert at least an alcohol into light olefins in a dehydration process to make an olefin having the same number of carbon atoms as the alcohol wherein said catalyst comprises a phosphorus modified zeolite and is made by a method comprising the following steps in this order a) providing a zeolite comprising at least one ten members ring in the structure optionally steaming said zeolite b) mixing said zeolite of step a) with at least a component selected among one or more binders and shaping additives then shaping said mixture c) optionally making a ion exchange d) optionally steaming the shaped catalyst optionally before step c) at least among said steaming of step d) and the steaming of step a) one is mandatory e) introducing phosphorus on the catalyst to introduce at least 0.1 wt% of phosphorus said introduction being made by dry impregnation or chemical vapor deposition f) optionally introducing a metal optionally simultaneously with step e) g) optionally washing the catalyst h) optionally calcinating the catalyst i) steaming the catalyst also referred to as the equilibration step. In a second embodiment phosphorus can be introduced by any means and at step i) the steaming severity (X) is at least about 2. In said second embodiment the catalyst is advantageously steamed at a temperature above 625°C preferably in the range 700 to 800°C. The metal of step f) is advantageously Calcium.

No. of Pages : 34 No. of Claims : 23

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : WIRELESS COMMUNICATION SYSTEM OF POWER SUPPLY AND DEMAND CONTROL AND CONTROL METHOD OF 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 | :PCT/JP2012/076820 :17/10/2012 | (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)NAKANO Kenji 2)OSAKI Yoshiro 3)KOBAYASHI Takahiro |
|---|-----------------------------------|---|
| (87) International Publication No | :WO 2013/065483 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | I:NA :NA | |

(57) Abstract :

According to an embodiment of the invention a wireless communication system of power supply and demand control uses a plurality of wireless devices to form an autonomous distributed type of wireless network via which information is transferred to a plurality of aggregation apparatuses or to a management apparatus. The management apparatus comprises a first control unit that generates a belonging change command for the wireless devices. The wireless devices each comprise: a storage unit that stores information belonging to a first aggregation apparatus; and a second control unit that changes on the basis of the belonging change command the belonging destination from the first aggregation apparatus to a second aggregation apparatus.

No. of Pages : 36 No. of Claims : 9

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL PYRIMETHANIL FORMULATIONS AND USES THEREOF IN THE TREATMENT OF CROPS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A01N43/54,A01N65/00,A01N65/22 :NA :NA :NA :PCT/FR2011/052316 :04/10/2011 :WO 2013/050663 :NA :NA :NA | (71)Name of Applicant : 1)XEDA INTERNATIONAL Address of Applicant :Zone Artisanale la Crau Route Nationale 7 F 13670 Saint Andiol France (72)Name of Inventor : 1)SARDO Alberto |
|--|--|--|
|--|--|--|

(57) Abstract :

The present invention relates to essential oil and pyrimethanil solutions and emulsions and to the uses thereof in the fungicidal treatment of harvested crops.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : WAVE VECTOR MATCHED RESONATOR AND BUS WAVEGUIDE SYSTEM

| (51) International classification | :G02B6/12,G02B6/122,G02B6/293 | (71)Name of Applicant :1)UNIVERSITY COURT OF THE UNIVERSITY OF ST |
|---|-----------------------------------|---|
| (31) Priority Document No | :1113125.7 | ANDREWS |
| (32) Priority Date | :29/07/2011 | Address of Applicant :College Gate North Street St Andrews |
| (33) Name of priority country | :U.K. | KY16 9AJ U.K. |
| (86) International Application No Filing Date | :PCT/GB2012/000618 :27/07/2012 | (72)Name of Inventor :1)KRAUSS Thomas Fraser2)WHELAN CURTIN William |
| (87) International Publication No | :WO 2013/017814 | 3)DEBNATH Kapil 4)WELNA Karl Peter |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

AN OPTICAL DEVICE INCLUDING: A WAVEGUIDE OF REFRACTIVE INDEX N FOR CARRYING AT LEAST ONE MODE OF AT LEAST ONE WAVELENGTH AND AT LEAST ONE RESONATOR WITH A RESONANT WAVELENGTH. THE RESONATOR HAS A MODE VOLUME OF LESS THAN TEN CUBIC RESONANT WAVELENGTHS. IN USE LIGHT IN THE WAVEGUIDE IS VERTICALLY COUPLED INTO THE AT LEAST ONE RESONATOR AND THE WAVEGUIDE AND RESONATOR(S) ARE ARRANGED TO PROVIDE WAVE VECTOR MATCHING BETWEEN AT LEAST ONE MODE OF THE RESONATOR AND AT LEAST ONE MODE OF THE WAVEGUIDE.

No. of Pages : 29 No. of Claims : 25

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : RIM ASSEMBLY AND TIRE TESTING MACHINE

| (=), | :PCT/JP2012/083619 :26/12/2012 :WO 2013/105436 :NA :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)TACHIBANA Makoto 2)AGAWA Jiro 3)IMAMURA Morihiro 4)UEDA Tatsuya 5)MIYAMOTO Yoshinori |
|---|--|--|
| (62) Divisional to Applicatior Number Filing Date | ^h :NA :NA | |

(57) Abstract :

This rim assembly is provided with: a first rim at which a first reference surface is formed; a second rim at which a second reference surface is formed; a through hole that extends in a manner so as to intersect the first reference surface at the first rim and through which a threading section is threaded; a pin that is provided upright at one of either the first reference surface or the second reference surface; a protrusion formed at the other of either the first reference surface or the second reference surface; a first support member provided to the first reference surface; and a second support member provided to the second reference surface. A groove that the protrusion engages is formed around the outer peripheral surface of the pin. The first support member and the second support member contact when the protrusion is separated from the groove and the first support member and the second support member separate when the protrusion is engaged to the groove.

No. of Pages : 71 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :13/03/2013

| (54) Title of the invention : MODULER LOUVER SYSTEM | | |
|---|-------------|--|
| | | |
| (51) International classification | :F02C | (71)Name of Applicant : |
| (31) Priority Document No | :13/448,517 | 1)GENERAL ELECTRIC COMPANY |
| (32) Priority Date | :17/04/2012 | Address of Applicant :1 RIVER ROAD, SCHENECTADY, |
| (33) Name of priority country | :U.S.A. | NEW YORK 12345, U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)HAUGEN, CHRISTINA GRANGER MORRISSEY |
| (87) International Publication No | : NA | 2)FINTEL, BRADLY WILLIS |
| (61) Patent of Addition to Application Number | :NA | 3)GREEN, BRIAN RICHARD |
| Filing Date | :NA | 4)KLASING, KEVIN SAMUEL |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Louver systems for gas turbine bleed air systems are disclosed. An example louver system may include a bleed system discharge opening arranged to vent bleed air from a bleed flow conduit and a plurality of pivotable louvers disposed proximate the discharge opening, the pivotable louvers being pivotable between a shut position and an open position. In the shut position, individual louvers may at least partially obstruct the discharge opening. In the open position, individual louvers may at least partially control a direction of flow of the bleed air exiting the discharge opening. 18

No. of Pages : 24 No. of Claims : 19

(21) Application No.2542/DELNP/2014 A

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : WATER BASED DIRECT DYE 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 | :PCT/JP2012/075315 :01/10/2012 :WO 2013/051491 :NA :NA | (71)Name of Applicant : 1)NIPPON KAYAKU KABUSHIKI KAISHA Address of Applicant :11 2 Fujimi 1 chome Chiyoda ku Tokyo 1028172 Japan (72)Name of Inventor : 1)KOSHIKAWA Emi 2)YAMAMOTO Nobutaka 3)SASAKI Keijou 4)KAKO Ryuutarou |
|---|--|---|
| (62) Divisional to Application Number Filing Date | ¹ :NA :NA | |

(57) Abstract :

The purpose of the present invention is to provide a water based dye composition which for a direct dye enhances solubility in water and offers superior storage stability at low temperatures or high temperatures. Disclosed is a water based dye composition containing a direct dye represented by formula (1) as free acid or an inorganic salt thereof and one or more types of alkanolamine.

No. of Pages : 10 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ALCAFTADINE FOR USE IN THE TREATMENT OF URTICARIA

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :61/502563 :29/06/2011 :U.S.A. :PCT/US2012/045141 :29/06/2012 :WO 2013/003825 :NA :NA :NA | (71)Name of Applicant : 1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California 92612 U.S.A. (72)Name of Inventor : 1)LALWANI Dinusha N. |
|---|---|---|
| Filing Date | :NA | |

(57) Abstract :

PRESENTED HEREIN ARE COMPOSITIONS METHODS AND KITS FOR TREATING AN INFLAMMATORY SKIN DISORDER USING A HISTAMINE ANTAGONIST. IN CERTAIN EMBODIMENTS THE COMPOSITIONS METHODS AND KITS ARE FOR TREATING URTICARIA AND ITS SYMPTOMS. IN CERTAIN EMBODIMENTS THE COMPOSITION METHODS AND KITS INCLUDE A TOPICAL PHARMACEUTICAL PREPARATION WITH AN EFFECTIVE AMOUNT OF ALCAFTADINE AS AN ACTIVE AGENT.

No. of Pages : 37 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND DEVICE FOR OPERATING AN INTERNAL COMBUSTION ENGINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | 5 | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany (72)Name of Inventor : 1)TIEBEL Wolfgang 2)RUPP Andreas |
|--|-----------------|--|
| Filing Date (87) International Publication No | :WO 2013/056945 | |
| (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 operating an internal combustion engine comprising at least two cylinders in at least two modes of operation all cylinders being fired in a first mode of operation and only some cylinders being fired in a second mode of operation. In said method an actual cumulative lambda value of the internal combustion engine is adjusted to a desired cumulative lambda value using a lambda controller by adjusting the amount of fuel and/or air delivered to the fired cylinders. At least in the second mode of operation an individual corrective factor for correcting the amount of fuel and/or air delivered to each fired cylinder is determined and stored for each fired cylinder in order to adjust an actual individual lambda value of the respective cylinder to a desired individual lambda value the stored individual corrective factors being applied to the fired cylinders when switching from the first to the second mode of operation.

No. of Pages : 18 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :B65B3/02,B65B7/28 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :11176852.9 | 1)NESTEC S.A. |
| (32) Priority Date | :08/08/2011 | Address of Applicant : Avenue Nestl 55 CH 1800 Vevey |
| (33) Name of priority country | :EPO | Switzerland |
| (86) International Application No | :PCT/EP2012/065116 | (72)Name of Inventor : |
| Filing Date | :02/08/2012 | 1)CHAUVIN Guillaume |
| (87) International Publication No | :WO 2013/020884 | 2)KANNENGIESSER Damien |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .1NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : APPARATUS FOR BLOWING AND FILLING PLASTIC CONTAINERS

(57) Abstract :

The invention concerns an apparatus (10) for simultaneously blowing and filling a plastic container from a preform the apparatus comprising: a mould (14) for enclosing a preform so as to leave access to the mouth of the preform stretching means (42) for stretching the preform within the mould an injection head (16) for injecting a liquid through the mouth so as to cause expansion of the preform within the mould thereby obtaining a blown and filled container (12) that comprises a dispensing opening (22) characterized in that the apparatus further comprises a capping head (18) for fixing a cap (40) on the dispensing opening of said blown and filled container the capping head being permanently arranged between the injection head (16) and the mould (14).

No. of Pages : 20 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :13/03/2013

(54) Title of the invention : BATTERY UNIT

| (51) International classification | :H01M | (71)Name of Applicant : |
|---|------------------|---|
| (31) Priority Document No | :2012- 060229 | 1)HONDA MOTOR CO.,LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :16/03/2012 | MINATO-KU, TOKYO 107-8556, JAPAN |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)KAZUNORI KURODA |
| 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 :

To provide a battery unit that has a structure of preventing an expansion of a battery cell, and that can prevent an increase in size of the battery unit or an increase in the number of components. [Constitution] The battery unit 65 includes a box-like battery case 19 that accommodates therein a battery module 70 having a generally rectangular solid shape and including plural sheet-like battery cells 60 stacked flat in a vertical direction of a vehicle body, the battery case being mounted to the vehicle body. The battery unit includes: a bottomed box-like casing body 51 that forms a part of the battery case 19 and into which the battery module 70 is accommodated from above the vehicle body, and a fixing plate 63 that abuts on a top surface of the battery module 70. The battery module 70 is configured to be fixed to the casing body 51 with pressure being applied to the battery module 70 from above the vehicle body, by fastening the fixing plate 63 to the casing body 51. Plural battery modules 70 are arranged.

No. of Pages : 40 No. of Claims : 7

(21) Application No.2568/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :B32B27/18 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/533449 | 1)PLASTIPAK PACKAGING INC. |
| (32) Priority Date | :12/09/2011 | Address of Applicant :41605 Ann Arbor Road Plymouth MI |
| (33) Name of priority country | :U.S.A. | 48170 U.S.A. |
| (86) International Application No | :PCT/US2012/054840 | (72)Name of Inventor : |
| Filing Date | :12/09/2012 | 1)DESHPANDE Girish N. |
| (87) International Publication No | :WO 2013/040020 | |
| (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 : MONOLAYER CARBON DIOXIDE BARRIER PET BOTTLES

(57) Abstract :

inter aliaDisclosed herein are articles comprising polymer compositions that can provide a barrier to carbon dioxide diffusion. The disclosed polymer compositions can be utilized in packaging to retard or prevent the diffusion of carbon dioxide out of a carbonated liquid a carbonated soft drink. This abstract is intended as a scanning tool for purposes of searching in the particular art and is not intended to be limiting of the present invention.

No. of Pages : 54 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MULTILAYERED DOSAGE FORM

| classification (31) Priority Document No : (32) Priority Date : (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 : | :A61K9/20,A61K31/137,A61K31/138 :1841/Del/2011 :29/06/2011 :India :PCT/IB2012/053341 :29/06/2012 :WO 2013/001516 :NA :NA :NA | (71)Name of Applicant : 1)RANBAXY LABORATORIES LIMITED Address of Applicant :Head Office: 12th Floor Devika Tower 06 Nehru Place New Delhi Delhi 110019 Delhi India (72)Name of Inventor : 1)BHAVARISETTI Murali Krishna 2)VIVEK Kumaravel 3)NARRAVULA Sreekanth 4)SINGH Romi Barat |
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(57) Abstract :

The present invention relates to a multilayered coated tablet comprising at least three layers i.e. first second and third layer wherein the first and third layers contain at least one active pharmaceutical ingredient and the second layer is either a placebo or an immediate release drug layer. Further the tablet has a delayed release coating wherein the coating may contain one or more pore forming agents and/or orifices on one or both sides. Furthermore it may contain an immediate release layer of the drug over the delayed release coating layer. The present invention further relates to processes for preparing such a multilayered coated tablet.

No. of Pages : 28 No. of Claims : 24

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A NON AEROSOL FOAMING ALCOHOL HAND SANITIZER

| No :05/10/ Filing Date :05/10/ | 4802 /2011 A. US2012/058892 | (71)Name of Applicant : 1)AMERICAN STERILIZER COMPANY Address of Applicant :5960 Heisley Road Mentor OH 44060 1834 U.S.A. (72)Name of Inventor : 1)HEISIG Christopher C. 2)KAISER Nancy Hope E. |
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(57) Abstract :

A non aerosol foaming high alcohol content hand sanitizer is provided which has excellent antimicrobial activity and tolerance for organic load and excellent residual activity as well as enhanced moisturization and skin feel properties over currently marketed alcohol based sanitizers. The inventive composition achieves an unexpectedly large amount of quality stable foam even in the presence of significant quantities of skin conditioning agents through the use of novel silicone surfactants and achieves enhanced and prolonged antimicrobial efficacy through the combination of high alcohol content and activity enhancing components.

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

(19) INDIA

(22) Date of filing of Application :13/03/2013

| (54) Title of the invention : BATTERY MODULE. | | |
|---|------------------|---|
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| (51) International classification | :H01M | (71)Name of Applicant : |
| (31) Priority Document No | :2012- 060228 | 1)HONDA MOTOR CO.,LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :16/03/2012 | MINATO-KU, TOKYO 107-8556, JAPAN |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)YOSHIYUKI HORII |
| Filing Date | :NA | 2)TOSHIAKI TAKAMURA |
| (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 :

To provide a battery module that can be made compact as a whole, while employing a structure of preventing expansion of a battery cell. [Constitution] The battery module includes a pair of side plates 71, 71 arranged along two wall faces, opposing to each other in a stacking direction of battery cells 90, of wall faces of the battery module 61, a lower plate 72 that swingably supports one end of the pair of side plates 71, 71 by a hinge mechanism 75 and that is arranged along one wall face of the battery module 61, and an upper plate 65 that is arranged along the wall face of the battery module 61 so as to be opposite to the lower plate 72, and that connects the other ends of the pair of side plates 71, wherein the side plates 71, 71 and the upper plate 65 are tightened and fixed by use of a fastening member 66 with pressure being applied in the stacking direction of the battery cells 90 in order to fix the battery module 61.

No. of Pages : 55 No. of Claims : 10

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

THIAZOLIDINYLIDENE]CYANAMIDE (51) International classification :C07D417/04 (71)Name of Applicant : (31) Priority Document No **1)BAYER INTELLECTUAL PROPERTY GMBH** :11179883.1 (32) Priority Date :02/09/2011 Address of Applicant : Alfred Nobel Str. 10 40789 Monheim (33) Name of priority country Germany :EPO (86) International Application No :PCT/EP2012/066602 (72)Name of Inventor : Filing Date :27/08/2012 1)LUI Norbert (87) International Publication No :WO 2013/030152 2)ANTONS Stefan (61) Patent of Addition to Application **3)HEINRICH Jens Dietmar** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : METHOD FOR PRODUCING [3 [(6 CHLOR 3 PRIDINYL)METHYL] 2

(57) Abstract :

The invention relates to a method for producing [3 [(6 chlor 3 pridinyl)methyl] 2 thiazolidinylidene]cyanamide comprising the following steps: (i) reacting dimethyl N cyanocarbonimidodithiocarbonate and 2 aminoethanthiol or a salt thereof in the presence of a base; (ii) reacting the reaction mixture with 5 chloromethyl 2 chloropyridine without purification of the cyanimino 1 3 thiazolidine intermediate stage being necessary.

No. of Pages : 8 No. of Claims : 4

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : HYBRID CAPACITOR BATTERY AND SUPERCAPACITOR WITH ACTIVE BI FUNCTIONAL ELECTROLYTE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :61/545049 :07/10/2011 :U.S.A. | (71)Name of Applicant : 1)APPLIED NANOSTRUCTURED SOLUTIONS LLC Address of Applicant :2323 Eastern Boulevard Baltimore MD 21220 U.S.A. (72)Name of Inventor : 1)LIU Han 2)FLEISCHER Corey Adam |
|---|---|--|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/052704 :NA :NA :NA :NA | 2)FLEISCHER Corey Adam 3)BURGESS William Patrick 4)HETZEL Lawrence P. 5)PENSERO Gregory F. 6)SHAH Tushar K. |

(57) Abstract :

An electrode includes a substrate having a carbon nanostructure (CNS) disposed thereon and a coating including an active material conformally disposed about the carbon nanostructure and the substrate. The electrode is used in a hybrid capacitor battery having a bifunctional electrolyte capable of energy storage.

No. of Pages : 56 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :F03D1/06 :RM2011A000517 :30/09/2011 :Italy | (71)Name of Applicant : 1)ENEL GREEN POWER S.p.A. Address of Applicant :Viale Regina Margherita 125 I 00198 Roma Italy |
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| | 5 | |
| (86) International Application No | :PCT/EP2012/069200 | (72)Name of Inventor : |
| Filing Date | :28/09/2012 | 1)LA PEGNA Luigi |
| (87) International Publication No | :WO 2013/045622 | 2)PIANO Renzo |
| (61) Patent of Addition to Application Number Filing Date (2) Divisional to Application Neuropation | :NA :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : BLADE FOR WIND TURBINE AND METHOD OF ASSEMBLY OF THE BLADE

(57) Abstract :

It is described a blade (6) for a wind turbine (1) for converting wind energy into electric energy comprising: a blade structure (7) longitudinally extending along a blade axis (X1) and comprising a blade tip (11) an opposite blade root (12) a longitudinal leading edge portion (13) and a longitudinal trailing edge portion (14) which are extended between the blade root (12) and the blade tip (11); and an outer aerodynamic shell (20) defining an airfoil (25) including an airfoil leading edge (26) an airfoil trailing edge (27) and an airfoil suction side and an airfoil pressure side (28 29) between said airfoil leading and trailing edges (26 27). The outer aerodynamic shell (20) comprises a suction side panel (31) and a pressure side panel (33) which are made from a transparent material and are fastened to the blade structure (7) so as to define the airfoil suction side and the airfoil pressure side (28 29) respectively wherein said blade (6) comprises a transparent region (40) between said transparent panels (31 33) and wherein said transparent panels (31 33) are arranged facing one another so that it is possible to see through the blade (6) looking through said transparent panels (31 33) and said transparent region (40). A method for assembling the blade (6) is also described.

No. of Pages : 47 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :02/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SIALIC ACID ANALOGS

| (51) International classification:C07H7/02,C07H5/04,A61K31/7008(31) Priority Document No:61/550610(32) Priority Date:24/10/2011(33) Name of priority country:U.S.A.(86) International Filing Date:PCT/US2012/061737(87) International Publication No:WO 2013/063149(61) Patent of Addition to Filing Date:NA(62) Divisional to Filing Date:NA(62) Divisional to Filing Date:NA(63) Patent of Number Filing Date:NA(64) Patent of Addition to Filing Date:NA(65) Divisional to Filing Date:NA(66) Divisional to Filing Date:NA | (71)Name of Applicant : ULTRAGENYX PHARMACEUTICAL INC. Address of Applicant :77 Digital Drive Novato California 94949 U.S.A. (72)Name of Inventor : KAKKIS Emil JUNGLES Steven ZHAO He |
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(57) Abstract :

The present invention provides sialic acid analogs and their compositions useful for the treatment of sialic acid deficiencies.

No. of Pages : 95 No. of Claims : 77

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ALLOYED HOT DIP ZINC COAT LAYER STEEL SHEET HAVING SAME AND METHOD FOR PRODUCING SAME

(57) Abstract :

Provided are: an alloyed hot dip zinc coated steel sheet that as an alloyed hot dip zinc coated steel sheet that uses a high strength steel sheet as the parent material reliably and sufficiently increases the adhesion of the coating layer to the parent material steel sheet; and a method for producing the alloyed hot dip zinc coated steel sheet. An alloyed hot dip zinc coat layer is formed on a parent material steel sheet comprising high strength steel having a predetermined component composition the average amount of Fe in the alloyed hot dip zinc coat layer is in the range of 8.0 12.0% and in the coating layer the absolute value (Fe) of the difference between the amount of Fe (inner vicinity amount of Fe) at the vicinity of the interface with the parent material steel sheet and the amount of Fe (outer vicinity amount of Fe) at the vicinity of the coating layer is in the range of 0.0 3.0%. Also as a method for producing same after the completion of hot dip zinc coating and alloying processing coating layer inner diffusion processing is performed to flatten the Fe concentration gradient in the coating layer.

No. of Pages : 63 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR DISPOSABLE GUIDEWIRE OPTICAL CONNECTION

| (51) International classification | :G02B6/26,A61B5/0215 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :61/529029 | 1)OPSENS INC. |
| (32) Priority Date | :30/08/2011 | Address of Applicant :2014 rue Cyrille Duquet Suite 125 |
| (33) Name of priority country | :U.S.A. | Qubec Qubec G1N 4N6 Canada |
| (86) International Application No | :PCT/CA2012/000803 | (72)Name of Inventor : |
| Filing Date | :30/08/2012 | 1)BELLEVILLE Claude |
| (87) International Publication No | :WO 2013/029157 | 2)LALANCETTE Sbastien |
| (61) Patent of Addition to Application | :NA | 3)PROULX Alain |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A method for terminating a first optical fiber within a proximal portion of a guidewire tubing. The guidewire tubing has an outside diameter defined as having a tolerance of ± 0.001 or less. The method comprises the step of centering the first optical fiber within the guidewire tubing. A female optical receiving device used to receive an optical guidewire and connect guidewire internal optical fiber to an external relaying optical cable is also provided.

No. of Pages : 27 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : FLEXIBLE E | SUSBAR | |
|---|---|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :H01B5/02 :61/536222 :19/09/2011 :U.S.A. :PCT/US2012/038122 :16/05/2012 :WO 2013/043239 :NA :NA :NA :NA | (71)Name of Applicant : 1)ERICO INTERNATIONAL CORPORATION Address of Applicant :31700 Solon Road Solon Ohio 44139 U.S.A. (72)Name of Inventor : 1)HADI Rod 2)FUCHS Jean Claude 3)DOUZET Christophe 4)GODARD Pascal 5)BINCAZ Jean Paul |

(57) Abstract :

A flexible busbar includes a central conductor (generally of rectangular cross section comprising multiple layers of thin

aluminum copper or other alloys with good electrical properties (conductivity)) and a sleeve having a shape on the internal surface to reduce the adhesion between the two conductors and the sleeve when the flexible busbar is bent folded or twisted. This increases the flexibility of the flexible busbar.

No. of Pages : 17 No. of Claims : 21

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A MULTILAYER FILM PACKAGES COMPRISING THE MULTILAYER FILM AND PROCESSES FOR MAKING

| Filing Date:01/08/20121)REMUS Michael(87) International Publication No:WO 2013/0198482)SASOGLU Fadil Mert(61) Patent of Addition to Application:NA:NANumber:NA:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA | (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :11176148.2 :01/08/2011 :EPO :PCT/US2012/049140 :01/08/2012 :WO 2013/019848 :NA :NA :NA | |
|---|--|---|--|
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(57) Abstract :

The need for a multilayer film that can be sealed together to form a package without discolouring or deforming the seal regions is met by a multilayer film having a structural layer having a matrix phase and a disperse phase that is both highly heat conductive and provides structural integrity during seal forming.

No. of Pages : 35 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : MULTI PIEC | E SEALING SLEEVE | |
|--|--|--|
| (54) Fitte of the invention : MULTI PIEC (51) International classification (31) Priority Document No (32) Priority Date (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 | :B29D30/18 :13/176396 :05/07/2011 :U.S.A. | (71)Name of Applicant : 1)DAVIAN ENTERPRISES LLC Address of Applicant :PO Box 130 6435 Hwy 411 S Greenback Tennessee 37742 0130 U.S.A. (72)Name of Inventor : 1)MARCUS Robert L. 2)HUFFETELLER David |

(57) Abstract :

A multi piece sealing sleeve is disclosed. The multi piece sealing sleeve includes annular first and second layers of a substantially air impermeable material. The first layer has an inner edge sized to surround a base portion of the tire shaping drum. An outer edge of the first layer extends radially outwardly to overlie at least a portion of a radially expandable and collapsible structure defined by the tire shaping drum. The second layer is sized to overlie and establish sealing engagement with at least a portion of the first layer and a bead seat defined by the radially expandable and collapsible structure of the tire shaping drum. The first and second layers cooperate to establish a substantially airtight seal between the tire shaping drum base portion and the bead seat.

No. of Pages : 25 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A47J31/36 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :11178789.1 | 1)NESTEC S.A. |
| (32) Priority Date | :25/08/2011 | Address of Applicant : Av. Nestl 55 CH 1800 Vevey |
| (33) Name of priority country | :EPO | Switzerland |
| (86) International Application No | :PCT/EP2012/066238 | (72)Name of Inventor : |
| Filing Date | :21/08/2012 | 1)BESSON Fran§ois |
| (87) International Publication No | :WO 2013/026843 | 2)RITHENER Blaise |
| (61) Patent of Addition to Application | :NA | 3)LARZUL David |
| Number | | 4)CHALENCON Julien |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alexture et : | | • |

(54) Title of the invention : CARTRIDGE CHAMBER OF EXTRACTION SYSTEM

(57) Abstract :

A system comprises a cartridge (9) containing a beverage ingredient and a device (1) for brewing the ingredient in the cartridge by supplying a brewing liquid such as heated water into the cartridge. The device has upstream and downstream cartridge enclosing parts (7 8) relatively movable between an open position for inserting and/or removing the cartridge and a closed position for forming a brewing chamber (11) enclosing the cartridge during brewing. The brewing chamber (11) has a confining expansion space (12) which is: unoccupied by the cartridge (9) when the enclosing parts (7 8) are in the closed position enclosing the cartridge; and occupied by the cartridge upon expansion thereof caused by exposure of the ingredient to the brewing liquid.

No. of Pages : 22 No. of Claims : 15

(21) Application No.729/DELNP/2014 A

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : USE OF ISOSORBIDE DIESTERS AS THICKENERS

| (51) International classification (31) Priority Document No (32) Priority Date (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 :A01N25/24,C09D7/00,C11D3/22 :10 2011 109 428.1 :04/08/2011 :Germany :PCT/EP2012/003245 :31/07/2012 :WO 2013/017256 :NA :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 |
|--|--|--|
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(57) Abstract :

There is described the use of one or more compounds of the formula (I) in which R is a linear or branched saturated alkyl group having 5 to 11 carbon atoms or a linear or branched monounsaturated or polyunsaturated alkenyl group having 5 to 11 carbon atoms as thickener. The compound(s) is/are preferably used in cosmetic dermatological or pharmaceutical compositions in plant protection formulations in detergents or cleaners or in colorants or paints.

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

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ARTICLE ORIENTING 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 | :28/07/2011 :Sweden :PCT/SE2012/050794 :06/07/2012 :WO 2013/015731 :NA :NA :NA | (71)Name of Applicant : 1)NORDEN MACHINERY AB Address of Applicant :Box 845 S 391 28 Kalmar Sweden (72)Name of Inventor : 1)NILSSON Jan |
|---|---|--|
| Application Number Filing Date | :NA | |

(57) Abstract :

The invention relates to an article orienting machine for elongate articles said machine comprising an endless first conveyor by which articles are conveyed with a first predetermined spacing said elongate articles having their main axes arranged transverse to the direction of movement of said conveyor; at least a first and a second wheel on which the conveyor is supported; a first drive means arranged to rotate one of the wheels on which the conveyor is supported; and opposed pairs of holders attached to said endless conveyor at said first predetermined spacing each pair of holders being arranged to contact and support an elongate article at opposite ends thereof while the article is received and released by the article orienting machine. The system is arranged to orient said articles at regular intervals where the articles to be oriented by the article orienting machine are arranged with a second predetermined spacing corresponds to a whole multiple of the first predetermined spacing equal to at least twice the first predetermined spacing

No. of Pages : 25 No. of Claims : 16

(22) Date of filing of Application :31/01/2014

(54) Title of the invention : METHOD FOR PRETREATING BIOLOGICAL SAMPLE CONTAINING PROTEIN

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :2011176272 :11/08/2011 :Japan :PCT/JP2012/070570 :10/08/2012 :WO 2013/022107 :NA :NA | (71)Name of Applicant : 1)OTSUKA PHARMACEUTICAL CO. LTD. Address of Applicant :9 Kanda Tsukasamachi 2 chome Chiyoda ku Tokyo 1018535 Japan 2)NATIONAL UNIVERSITY CORPORATION TOKYO MEDICAL AND DENTAL UNIVERSITY (72)Name of Inventor : 1)SASAKI Sei 2)OHMOTO Yasukazu 3)MORI Toyoki 4)IWATA Fusako 5)MURAGUCHI Masahiro |
|--|--|--|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

Provided is a method for pretreating a biological sample in cases where a protein contained in the biological sample is determined using an immunological method. A method for pretreating a biological sample in cases where a protein contained in the biological sample is determined using an immunological method said method for pretreating a biological sample being characterized by comprising the following steps: (1) the biological sample is frozen at a temperature higher than 80°C in particular at a temperature of not less than 70°C; (2) the frozen biological sample is thawed; and (3) the biological sample is solubilized using a surfactant.

No. of Pages : 62 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :14/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METAL-DETECTION CONVEYOR WITH BUILT-IN WEIGHING CELL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :G01G :12164091.6 :13/04/2012 :EPO :NA :NA :NA | (71)Name of Applicant : 1)METTLER-TOLEDO GARVENS GMBH Address of Applicant :KAMPSTRASSE 7, 31180, GIESEN, GERMANY (72)Name of Inventor : 1)BETTELS DIRK |
|---|--|--|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

A combined weighing-/metal-detection system (1) comprises at 5 least one support frame (4, 504, 604, 704A. 704B, 704C, 804A, 804B, 904A, 904B, 1004) through which the weighing-/metaldetection system (1) is supported on the floor, further at least two weighing cells (6) which are arranged at mounting locations (3A, 3B) on the at least one support frame (4, 504, 10 604, 704B, 704C, 804B, 904B, 904C, 1004), and at least one conveyor device (7, 1007) which, in the operating mode of the weighing-/metal-detection system (1), rests on the weighing cells (6). The weighing-/metal-detection system (1) further includes a metal detector (2) with a passage opening (8), 15 wherein the conveyor device (7) is arranged to pass through the opening of the metal detector (2). Relative to the transport direction of the conveyor device (7), the at least two weighing cells (6) are arranged, respectively, on opposite sides of the metal detector (2), preferably close to the 20 upstream and downstream ends of the conveyor device (7). The metal detector (2) is supported on the at least one support frame (4, 504, 604, 704A, 804A, 904A, 1004) at mounting locations (3A) different from the mounting locations (3B) of the weighing cells (6), so that the weighing cells (6) are not 25 carrying the pre-load of the metal detector (2) and the two functions of weighing and of detecting metallic contaminants can occur on the same at least one conveyor device (7, 1007) close together in time.

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

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND DEVICE FOR IMPLEMENTING AUTOMATIC COMPENSATION FOR **ASYMMETRIC DELAY OF 1588 LINK**

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :H04W56/00 :201110228386.8 :10/08/2011 :China :PCT/CN2012/079778 :07/08/2012 :WO 2013/020499 :NA :NA :NA :NA | (71)Name of Applicant : 1)ZTE CORPORATION Address of Applicant :ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor : 1)WEN Lin 2)ZHANG Junhui 3)CHEN Kai |
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(57) Abstract :

A method and device for implementing an automatic compensation for an asymmetric delay of a 1588 link. The method comprises: measuring by calculation a value of the asymmetric delay of an uplink/downlink of the 1588 link; when the value of the asymmetric delay exceeds a set synchronization offset range performing an asymmetric delay compensation; and if the value of the asymmetric delay does not exceed the set synchronization offset range continuing an ordinary 1588 time synchronization; thus implementing the automatic compensation for the asymmetric delay of the 1588 link. The solution allows for automatic correction of the asymmetric delay thus ensuring the quality of 1588 time synchronization.

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

(19) INDIA

(22) Date of filing of Application :13/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AUTOMATIC ACTUATION OF A GENERAL PURPOSE HAND EXTINGUISHER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :A62C :13/421,568 :15/03/2012 :U.S.A. :NA | |
|--|---|----------------------|
| Filing Date | :NA | 1)CHANEY MARCUS |
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 2)LOFVENHOLM PATRICK |
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

An automatic fire extinguisher valve assembly includes a valve body, a push rod disposed in the valve body, a poppet stem arranged perpendicular to the push rod and disposed in the valve body, a poppet-to-valve body seal coupled to the poppet stem and disposed in the valve body and a poppet return spring coupled to the poppet stem and disposed in the valve body, wherein the push rod is configured to engage the poppet stem to open the poppet-to-valve body seal.

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

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : FORMING A | STRUCTURE | |
|--|--|---|
| (54) The of the invention . FORMING 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 | :B22F3/105 :1113758.5 :10/08/2011 :U.K. | (71)Name of Applicant : 1)BAE SYSTEMS PLC Address of Applicant :6 Carlton Gardens London SW1Y 5AD U.K. (72)Name of Inventor : 1)WESCOTT Andrew David 2)SIDHU Jagjit |

(57) Abstract :

Apparatus and a method of forming a structure(304) are disclosed. The method includes applying a heat treatment to a first area (206) on a first surface (201A) of a work piece (200) wherein at least one dimension of the first area corresponds to a maximum design dimension of a structure (304) to be formed. The structure is then formed on a second area (303) on an opposite surface (201B) of the work piece the second area having a location corresponding to the first area.

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

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYNTHESIS OF R BIPHENYLALANINOL

| (51) International classification (31) Priority Document No (32) Priority Date (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 : | :C07C235/26,C07C231/02,C07C231/18 :11178182.9 :19/08/2011 :EPO :PCT/EP2012/066038 :16/08/2012 :WO 2013/026773 :NA :NA :NA | (71)Name of Applicant : 1)DSM IP Assets B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands 2)DSM Fine Chemicals Austria Nfg. GmbH & Co KG (72)Name of Inventor : 1)HERMSEN Petrus Johannes 2)RIEBEL Peter Hans 3)WOLBERG Michael 4)VRIES DE Andreas Hendrikus Maria 5)ERMANN Peter Hans |
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(57) Abstract :

This invention relates to a novel process for the synthesis of R biphenylalaninol and to intermediate compounds that are formed in the process according to the invention i.e. novel intermediates useful in the synthesis of R biphenylalaninol. The invention also relates to R biphenylalaninol The process according to the invention the intermediates to of R biphenylalaninol and of R biphenylalaninol are all useful in the synthesis of pharmaceutically active compounds.

No. of Pages : 15 No. of Claims : 6

(21) Application No.745/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H05B7/18 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/515048 | 1)CUNNINGHAM Stephen L. |
| (32) Priority Date | :04/08/2011 | Address of Applicant :2306 Glen Canyon Road Altadena CA |
| (33) Name of priority country | :U.S.A. | 91001 U.S.A. |
| (86) International Application No | :PCT/US2012/049508 | 2)STUART Martin A. |
| Filing Date | :03/08/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/020042 | 1)CUNNINGHAM Stephen L. |
| (61) Patent of Addition to Application | :NA | 2)STUART Martin A. |
| Number | :NA | |
| Filing Date | .11A | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) A 1. sture st i | | · |

(54) Title of the invention : PLASMA ARC FURNACE AND APPLICATIONS

(57) Abstract :

A Plasma Arc Reformer for creating a useful fuel such as Methanol using any of Methane Municipal Solid Waste farm or forest waste coal orchar rock from oil shale production petrochemical hydrocarbons (any carbon containing charge) water and/or Municipal Sewage as the source material. A High temperature Plasma Arc de polymerizes the source material into atoms which upon partial cooling creates a gas stream rich in CO and H2 (syngas). Subsequent molecular filter and catalyst stages in the system remove contaminants and produce the output fuel. The system is closed loop with regard to the syngas production in that it recycles the residual unconverted gas and even the exhaust gases if desired. The large amount of heat produced is captured and converted to electric power using a supercritical CO2 Rankin cycle resulting in potentially high efficiencies.

No. of Pages : 28 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A47G1/12,G09F27/00 :1113551.4 :05/08/2011 :U.K. :PCT/GB2012/000635 :03/08/2012 :WO 2013/021151 :NA :NA | (71)Name of Applicant : 1)DP MEMORABILIA LIMITED Address of Applicant :42 Clifton Road Wolverhampton WV6 9AP U.K. (72)Name of Inventor : 1)TERRY Paul |
|---|---|---|
| | | |
| Filing Date | :NA | |

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO DISPLAY APPARATUS

(57) Abstract :

A display apparatus comprising a picture frame containing a space for an article to be displayed an electronic image display unit and at least one of (a) a control unit for controlling the image display unit and (b) a battery unit for powering the image display unit. The image display unit is separately mounted in the picture frame from the control unit and/or battery unit(s) and is connected thereto by at least one cable. All other things being equal by decoupling the image display unit from its control unit(s) and/or battery unit(s) each unit can be of a smaller size so that there is a greater choice as to the location of each unit. Furthermore the image display unit for example can be positioned offcentre in the frame and yet the other unit(s) can be positioned so that the centre of gravity of the whole apparatus lies on the vertical centre line of the frame so that the frame can be suspended from a single central point and will hang straight.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : SELF CLEANING APPARATUS FOR THE PREVENTION OF MARINE GROWTH

| (51) International classification | :B63B59/06,B08B1/00 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :NA | 1)IEV GROUP SDN. BHD |
| (32) Priority Date | :NA | Address of Applicant :Dataran Hamodal Block B Level 2 No. |
| (33) Name of priority country | :NA | 4 Jalan Bersatu 13/4 46200 Petaling Jaya Selangor Darul Ehsan |
| (86) International Application No | :PCT/MY2011/000165 | Malaysia |
| Filing Date | :01/07/2011 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/006023 | 1)DO NGHIA Christopher |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

An ocean surface driven apparatus (1) to be installed around structural marine components comprising at least one ring wherein said ring comprising a plurality of rollers (2) disposed on a plurality of roller shafts (3) which are linked together by connectors (4). A plurality of linking members (5) with at least one moving self cleaning ring (6) disposed on each linking member said linking members linking a plurality of rings together.

No. of Pages : 19 No. of Claims : 18

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SEMICONDUCTOR 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 | :403K3/356,G02F1/133,H01L29/786 :2011185614 :29/08/2011 | (71)Name of Applicant : 1)SEMICONDUCTOR ENERGY LABORATORY CO. LTD. Address of Applicant :398 Hase Atsugi shi Kanagawa 2430036 Japan (72)Name of Inventor : 1)KOYAMA Jun |
|---|---|--|
|---|---|--|

(57) Abstract :

A semiconductor device that includes transistors having the same polarity consumes less power and can prevent a decrease in amplitude of a potential output. The semiconductor device includes a first wiring having a first potential a second wiring having a second potential a third wiring having a third potential a first transistor and a second transistor having the same polarity and a plurality of third transistors for selecting supply of the first potential to gates of the first transistor and the second transistor or supply of the third potential to the gates of the first transistor and the second transistor and for selecting whether to supply one potential to drain terminals of the first transistor and the second transistor. A source terminal of the first transistor is connected to the second wiring and a source terminal of the second transistor is connected to the third wiring.

No. of Pages : 68 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SOLID DISPERSIONS OF SITAGLIPTIN AND PROCESSES FOR THEIR PREPARATION (51) International classification :C07D487/04 (71)Name of Applicant : (31) Priority Document No 1) RANBAXY LABORATORIES LIMITED :1842/Del/2011 (32) Priority Date Address of Applicant :Head Office: 12th Floor Devika Tower :29/06/2011 (33) Name of priority country 06 Nehru Place New Delhi Delhi 110 019 Delhi India :India (86) International Application No :PCT/IB2012/053337 (72)Name of Inventor : Filing Date **1)KAUSHIK Poonam** :29/06/2012 (87) International Publication No :WO 2013/001514 2)THAIMATTAM Ram (61) Patent of Addition to Application **3)PRASAD Mohan** :NA Number 4)ARORA Sudershan Kumar :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention provides processes for the preparation of amorphous form of sitagliptin dihydrogen phosphate. It also provides a solid dispersion of sitagliptin dihydrogen phosphate including in the amorphous form and processes for its preparation.

No. of Pages : 38 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :14/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TAKE-UP APPARATUS AND TAKE-UP FACILITY (51) International classification :B65H (71)Name of Applicant : 1)TMT MACHINERY, INC. :2012-(31) Priority Document No Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-82804 :30/03/2012 6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-(32) Priority Date (33) Name of priority country 0041, JAPAN :Japan (86) International Application No :NA (72)Name of Inventor : Filing Date :NA 1)KINZO HASHIMOTO (87) International Publication No : NA 2)AKINORI KISHINE (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A yarn feeding unit of a take-up apparatus can readily be arranged, so as to facilitate ease of installation and maintenance for the takeup apparatus. [MEANS OF REALIZING THE OBJECT] A take-up apparatus includes a package winding unit (21), a first godet roller (37), a second godet roller (38) arranged above the package winding unit (21) and more on the downstream side than the first godet roller (37) in the travel direction of the yarns, a yarn feeding unit (31) including the first godet roller (37) and the second godet roller (38) and configured to feed the yarns Y from a melt spinning machine (12) to the package winding unit (21) while processing the yarns, and a first beam (62) disposed in an area sandwiched by a first yarn path (Y1) between the melt spinning machine (12) and the first godet roller (37) and by a second yarn path (Y2) leading from the first godet roller (37) to the second godet roller (38) and configured to support the yarn feeding unit (31).

No. of Pages : 33 No. of Claims : 9

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR INHIBITING CELL GROWTH NUCLEIC ACID MOLECULE HAVING RNA INTERFERENCE EFFECT ON NEK10 VARIANT GENE AND ANTICANCER AGENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :C12N15/00,A61K31/713,A61K48/00 :2011200756 :14/09/2011 :Japan | (71)Name of Applicant : 1)NIPPON KAYAKU KABUSHIKI KAISHA Address of Applicant :11 2 Fujimi 1 chome Chiyoda ku Tokyo 1028172 Japan (72)Name of Inventor : 1)SATO Takamichi |
|---|---|--|
| (86) International Application No Filing Date | :PCT/JP2012/071868 :29/08/2012 | |
| (87) International Publication No | :WO 2013/038907 | |
| (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 method for inhibiting cell growth, a nucleic acid molecule useful as an anticancer agent, and a method for screening novel anticancer agents. In the present invention, inhibitory effects on expression of NEKIO variant gene or inhibitory effects on activity of NEKIO variant protein are obtained in cells by transfecting cells with a nucleic acid molecule having an RNA interference effect on NEKIO variant gene. The present invention also provides a method for screening anticancer agents by using this inhibitory effect as an indicator.

No. of Pages : 65 No. of Claims : 14

(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR MONITORING THE DISTRIBUTION OF SOLAR RAYS CONCENTRATED ON A RECEIVING AREA

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to | | (71)Name of Applicant : 1)AREVA RENOUVELABLES Address of Applicant :1 Place Jean Millier Tour Areva F 92084 Paris La Dfense France (72)Name of Inventor : 1)ZINONI Carl |
|---|------------|---|
| Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The device (16) according to the invention comprises a measuring device (32) to measure the solar rays striking each region (30) of the receiving area (24). The measuring device (32) is adapted only to measure for each region (30) of the receiving area (24) the solar rays striking said region (30) and whose wavelength is comprised in a specific wavelength range () said specific wavelength range () differing from the wavelength range () of the rays measured for each other region (30) of the receiving area (24).

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

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ROTARY SYSTEM FOR SIMULTANEOUSLY BLOWING AND FILLING PLASTIC CONTAINERS

| (51) International classification | :B65B3/02,B29C49/46 | (71)Name of Applicant : |
|--|---------------------|--|
| (31) Priority Document No | :11176858.6 | 1)NESTEC S.A. |
| (32) Priority Date | :08/08/2011 | Address of Applicant : Avenue Nestl 55 CH 1800 Vevey |
| (33) Name of priority country | :EPO | Switzerland |
| (86) International Application No | :PCT/EP2012/065117 | (72)Name of Inventor : |
| Filing Date | :02/08/2012 | 1)CHAUVIN Guillaume |
| (87) International Publication No | :WO 2013/020885 | 2)KANNENGIESSER Damien |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(57) Abstract :

The invention concerns a system (10; 80) for simultaneously blowing and filling plastic containers from plastic preforms characterized in that it comprises a rotating apparatus (12) including: a plurality of moulds (14a n; 92) each being suitable for enclosing a preform a plurality of stretching means (20a n) for stretching each a preform enclosed within a mould from said plurality of moulds a plurality of injection means (18a n; 94) for injecting each a liquid into a preform enclosed within a mould from said plurality of moulds so as to cause expansion of said preform within a corresponding mould a manifold (22; 100) for distributing said liquid under pressure to said plurality of injection means such that said preforms are simultaneously blown and filled by said liquid a pump device (30; 102) that is operable to supply liquid to said manifold.

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

| (12) PATENT APPLICATION PUBLICATION (19) INDIA | | (21) Application No.721/DELNP/2014 A |
|---|--|--|
| | | |
| (22) Date of filing of Application :31/0 | 1/2014 | (43) Publication Date : 30/01/2015 |
| (54) Title of the invention : METHOD FOR SYNTHESIZING AN MONOUNSATURATED FATTY ACID OR ESTER | | OMEGA AMINO ACID OR ESTER FROM 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 | :C07C227/04,C07C229/08 :1157020 :01/08/2011 :France :PCT/FR2012/051770 :26/07/2012 :WO 2013/017782 :NA :NA :NA :NA | (71)Name of Applicant : 1)ARKEMA FRANCE Address of Applicant :420 rue dEstienne dOrves F 92700 Colombes France (72)Name of Inventor : 1)COUTURIER Jean Luc 2)DUBOIS Jean Luc |

(57) Abstract :

The invention relates to a method for synthesizing amino alkanoic acids or the esters thereof from natural unsaturated fatty acids passing through an intermediate unsaturated nitrile compound. The method of the invention is simple to implement and relative to known methods avoids the environmental constraints and economic disadvantages resulting from the reaction by products.

No. of Pages : 23 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :01/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NASAL IRRIGATION DEVICE AND SYSTEM WITH FAUX COLLAPSIBLE CARTRIDGE ELEMENT

| (51) International classification | :A61M3/02 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/508767 | 1)RHINOSYSTEMS INC. |
| (32) Priority Date | :18/07/2011 | Address of Applicant :5399 Lancaster Drive Suite 6 Cleveland |
| (33) Name of priority country | :U.S.A. | OH 44131 U.S.A. |
| (86) International Application No | :PCT/US2012/047055 | (72)Name of Inventor : |
| Filing Date | :17/07/2012 | 1)HOKE Martin R. |
| (87) International Publication No | :WO 2013/012859 | 2)SCHILLING Robert D. |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(57) Abstract :

A nasal irrigation device communicates an irrigant to a device user and comprises a mechanics module and a reservoir assembly wherein a source of saline comprising a cartridge is disposed within the mechanics module adjacent a lid assembly for piercing the cartridge upon closing of a lid for releasing the cartridge contents into the reservoir assembly. A faux collapsible cartridge for testing operability of a nasal irrigation device comprises a housing including a shaft a spring biased rod extending from the housing shaft and a flange depending from a housing wall whereby the rod and flange are disposed to actuate a trigger assembly of the nasal irrigation device.

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

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR THE MAINTAINING OF A RATIO OF ISOMERS OF CAROTENOID COMPOUNDS

| (51) Internationalclassification(31) Priority Document No(32) Priority Date | :A23L1/303,C07C11/21,C07C403/24 :11174194.8 :15/07/2011 | (71)Name of Applicant : 1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 The Heerlen Netherlands |
|--|---|--|
| (33) Name of priority country | :EPO | (72)Name of Inventor : 1)PERTIG Dan |
| (86) International Application No Filing Date | :PCT/EP2012/063262 :06/07/2012 | 2)SCH,,FER Christian 3)ULRICH Joachim 4)VERDURAND Elodie |
| (87) International Publication No | :WO 2013/010820 | |
| (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 process for the maintaining of a ratio stereoisomers of carotenoid compounds to specific formulations and to the use of such specific formulations.

No. of Pages : 24 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(51) International classification :F28D1/03 (71)Name of Applicant : (31) Priority Document No 1)NESTEC S.A. :61/574152 (32) Priority Date Address of Applicant : Avenue Nestle 55 CH 1800 Vevey :28/07/2011 (33) Name of priority country :U.S.A. Switzerland (86) International Application No :PCT/US2012/044889 (72)Name of Inventor : Filing Date :29/06/2012 1)CULLY Kevin J. (87) International Publication No :WO 2013/015944 2)BRINKMANN Andrew Joseph (61) Patent of Addition to Application **3)NASH Ronald Lee** :NA Number 4)SHORT William D. :NA Filing Date 5)LORRAINE Trent C. (62) Divisional to Application Number :NA 6)HANKINS Jerry J. Filing Date :NA

(54) Title of the invention : METHODS AND DEVICES FOR HEATING OR COOLING VISCOUS MATERIALS

(57) Abstract :

The invention provides methods and devices for heating or cooling viscous materials such as meat emulsions useful for producing food and other products. The devices include a heat exchanger comprising a first plate a second plate attached to the first plate and a first spacer and a second spacer arranged between the first plate and the second plate. The first plate the second plate the first spacer and the second spacer define at least one temperature controlled passage for a product to pass through the heat exchanger.

No. of Pages : 34 No. of Claims : 40

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : FORMING A | LAYERED STRUCTUR | RE |
|---|--------------------|---|
| | | |
| (51) International classification | :B22F3/105 | (71)Name of Applicant : |
| (31) Priority Document No | :1113756.9 | 1)BAE SYSTEMS PLC |
| (32) Priority Date | :10/08/2011 | Address of Applicant :6 Carlton Gardens London SW1Y 5AD |
| (33) Name of priority country | :U.K. | U.K. |
| (86) International Application No | :PCT/GB2012/051926 | (72)Name of Inventor : |
| Filing Date | :08/08/2012 | 1)WESCOTT Andrew David |
| (87) International Publication No | :WO 2013/021201 | 2)SIDHU Jagjit |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(57) Abstract :

A method and apparatus for forming a layered structure. At least one raised area (202) is formed on a work piece (200) and a structure (302) is formed on the raised area using an Additive Layer Manufacturing (ALM) process.

No. of Pages : 12 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PRODUCTION OF FATTY ACIDS AND DERIVATIVES THEREOF

| (51) International classification:C12N1)(31) Priority Document No:60/802,016(32) Priority Date:19/05/2006Cali(33) Name of priority country:U.S.A.(72)(86) International Application No:PCT/US2007/0119231)Filing Date:18/05/20072)(87) International Publication No:NA3)(61) Patent of Addition to Application:NA3)Number:NA5)Filing Date:NA5)(62) Divisional to Application Number:9659/DELNP/20087)Filed on:19/11/20088) |)Name of Applicant :)LS9, Inc. Address of Applicant :100 Kimball Way, South San Francisco, lifornia 94080, U.S.A)Name of Inventor :)KEASLING, Jay, D.)HU, Zhihao)SOMERVILLE, Chris)CHURCH, George)BERRY, David)FRIEDMAN, Lisa)SCHIRMER, Andreas)BRUBAKER, Shane)DEL CARDAYR‰, Stephen, B. |
|--|---|
|--|---|

(57) Abstract :

Genetically engineered microorganisms are provided that produce products from the fatty acid biosynthetic pathway (fatty acid derivatives), as well as methods of their use.

No. of Pages : 134 No. of Claims : 25

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PROCESSING REACTION PRODUCT STEMMING FROM THE HYDROGENATION OF EDDN OR EDMN

| Filing Date :NA | Application No Filing Date:30/08(87) International Publication No:WO 2(61) Patent of Addition to Application Number Filing Date:NA(62) Divisional to Application Number:NA | /EP2012/066830 3/2012 2013/030258 | 2)AHRENS Sebastian 3)BRASCHE Gordon 4)BALDAMUS Jens 5)BAUMANN Robert 6)HUGO Randolf 7)JAEGLI Stephanie 8)MELDER Johann Peter 9)PASTRE Jrg 10)BUSCHHAUS Boris |
|-----------------|---|---|--|
|-----------------|---|---|--|

(57) Abstract :

The invention relates to a method for separating a reaction product stemming from the reaction of EDDN or EDMN with hydrogen in the presence of THF and a catalyst that contains TETA or DETA water and optionally organic compounds that have a higher or lower boiling point than TETA or DETA characterized by a) adding the reaction product once hydrogen was separated off to a distillation column DK1 in which a THF/water azeotrope is separated off via the top said azeotrope optionally containing other organic compounds having a lower boiling point than TETA or DETA and in which column a bottom product which contains TETA or DETA is separated off and ii) guiding the bottom product from stage i) to a distillation column DK2 and separating THF off via the top and removing a TETA or DETA containing stream at the bottom of the column and iii) condensing the stream from stage i) removed at the top of the column DK1 and adding to the condensate or a part of the condensate an organic solvent which is substantially immiscible with water in such an amount that a phase decomposition takes place and separating the mixture so obtained in a phase separator returning the arising organic phase which contains THF and the organic solvent which is substantially immiscible with water to the column DK1 and removing the aqueous phase.

No. of Pages : 63 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEMS AND METHODS FOR CONTROLLING X-RAY IMAGING SYSTEMS

| (51) International classification | :G01B | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :13/446,176 | 1)GENERAL ELECTRIC COMPANY |
| (32) Priority Date | :13/04/2012 | Address of Applicant :1 RIVER ROAD, SCHENECTADY, |
| (33) Name of priority country | :U.S.A. | NEW YORK 12345, U.S.A |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)SIMMONS, JOHN MATTHEW |
| (87) International Publication No | : NA | 2)BARKER, DAVID |
| (61) Patent of Addition to Application Number | :NA | 3)ALDER, SAMUEL |
| Filing Date | :NA | 4)NICHOLSON, BAET |
| (62) Divisional to Application Number | :NA | 5)SPRATT, JR., ROBERT BRUCE |
| Filing Date | :NA | |

(57) Abstract :

Systems and methods for controlling an X-ray imaging system are described. The systems and methods typically include a support arm with a first end and a second end. The first end of the support arm connects to an articulating arm assembly and the second end of the support arm pivotally attaches to an X-ray imaging arm at a pivot joint so mat the pivot joint functions as an axis of orbital rotation for the X-ray imaging arm. One or more controls for the X-ray imaging arm rotates orbitally. The support arm for the X-ray imaging arm. The controls can therefore remain stationary while the X-ray imaging arm rotates orbitally. The support arm can include a single member or a double member and one or more controls can be disposed on each member of the support arm. Other embodiments are also described.

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

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : BARRIER COATINGS FOR FILMS AND STRUCTURES

| (51) International classification (31) Priority Document No (32) 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/US2012/049109 :01/08/2012 :WO 2013/019833 :NA | (71)Name of Applicant : 1)NANOPACK INC. Address of Applicant :290 Musket Lane Wayne PA 19087 U.S.A. (72)Name of Inventor : 1)KRAVITZ Howard S. 2)HOSTETTER Barry J. |
|--|---|---|
| | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

THE INVENTION PROVIDES COATED SUBSTRATES COMPRISING A SUBSTRATE AND A BARRIER COATING ON AT LEAST ONE SURFACE OF THE SUBSTRATE. THE BARRIER COATING COMPRISES (I) VERMICULITE (II) POLYMER CAPABLE OF FORMING A FILM (III) CHEMICAL STABILIZING AGENT SELECTED FROM MATERIALS THAT CONTAIN CATIONIC FUNCTIONALITY SELECTED FROM LITHIUM ALKYL C C AMMONIUM ALLYL AMMONIUM HETEROCYLCLIC AMMONIUM MORPHOLONIUM AMMONIUM AND AMINO C C ALKYL CARBOXYLIC ACIDS; LITHIUM CATIONS IN COMBINATION WITH ANIONS SELECTED FROM CARBOXYLIC PHOSPHORIC PHOSPHONIC SULFONIC AND FATTY ACIDS LITHIUM CHELATING AGENTS AND LITHIUM SALTS AMMONIA C C AMINE HETEROCYCLIC AMINES LITHIUM HYDROXIDE MORPHOLINE AND MORPHOLINE OLEATE; AND (IV) CROSS LINKING AGENT. THE INVENTION ALSO PROVIDES ARTICLES COATED WITH SUCH COATINGS METHODS AND MIXTURES FOR MAKING SUCH COATED SUBSTRATES AND ARTICLES.

No. of Pages : 43 No. of Claims : 37

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR TREATING WASTE GASES FROM PLANTS FOR PIG IRON PRODUCTION AND/OR SYNTHESIS GAS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | n:C21B13/00,C21B13/14,C01B3/12 :A1245/2011 :31/08/2011 :Austria | (71)Name of Applicant : 1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant :Turmstrae 44 A 4031 Linz Austria (72)Name of Inventor : |
|--|--|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/066319 :22/08/2012 :WO 2013/030057 | 1)MILLNER Robert 2)ROSENFELLNER Gerald |
| (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 a method and to a system for treating waste gases (4) from plants (32 33) for pig iron production and/or synthesis gas wherein a first sub stream (51) of the waste gas or synthesis gas is subjected to an at least partial conversion of CO into CO after addition of water and/or water vapour (10) and the waste gas (4) or synthesis gas is then subjected to CO capture. In order to be able to set a variable H/CO ratio in the waste gas or synthesis gas according to the invention a further sub stream (52) of the waste gas or synthesis gas is not subjected to a conversion of CO into CO but is subjected to COcapture separately from the first sub stream (51).

No. of Pages : 36 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :14/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR OBTAINING AN IGG COMPOSITION THROUGH HEAT TREATMENT (51) International classification :C07K (71)Name of Applicant : 1)GRIFOLS, S.A. (32) Priority Data : 20/03/2012 Address of Applicant :C/IESUS X MARIA 6, 08022

| (32) Priority Date | :20/03/2012 | Address of Applicant :C/JESUS Y MARIA, 6, 08022- |
|---|-------------|--|
| (33) Name of priority country | :Spain | BARCELONA, SPAIN |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)RISTOL DEBART PERE |
| (87) International Publication No | : NA | 2)GRANCHA GAMON SALVADOR |
| (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 new process for obtaining an IgG composition from an IgG solution partly purified from human plasma, in which by applying intermediate heat treatment and without using reagents to precipitate high molecular weight aggregates/polymers and/or proteins virtually total elimination of the IgG polymers generated during the process is achieved. Furthermore this process offers high productivity, lower production costs and is easy to implement in comparison with the processes of the known art. In addition to this, by using this process stability is imparted to the final product in liquid.

No. of Pages : 55 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CATALYSTS AND PROCESSES FOR THE HYDROGENATION OF AMIDES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :61/508766 :18/07/2011 :U.S.A. :PCT/CA2012/050489 :18/07/2012 :WO 2013/010275 :NA :NA | (71)Name of Applicant : 1)THE GOVERNORS OF THE UNIVERSITY OF ALBERTA Address of Applicant :Suite 4000 10230 Jasper Avenue Edmonton Alberta T5J 4P6 Canada (72)Name of Inventor : 1)BERGENS Steven 2)JOHN Jeremy M. |
|--|--|--|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

There is provided a process for the reduction of one or more amide moieties in a compound comprising contacting the compound with hydrogen gas and a transition metal catalyst in the presence or absence of a base under conditions for the reduction an amide bond. The presently described processes can be performed at low catalyst loading using relatively mild temperature and pressures and optionally in the presence or absence of a base or high catalyst loadings using low temperatures and pressures and high loadings of base to effect dynamic kinetic resolution of achiral amides.

No. of Pages : 90 No. of Claims : 69

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : NEW PROCESS FOR THE SYNTHESIS OF IVABRADINE AND ADDITION SALTS THEREOF WITH A PHARMACEUTICALLY ACCEPTABLE ACID

(57) Abstract :

Process for the synthesis of ivabradine of formula (I): and addition salts thereof with a pharmaceutically acceptable acid.

No. of Pages : 29 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :B01D39/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :61/528386 | 1)GABRIELSSON Karl |
| (32) Priority Date | :29/08/2011 | Address of Applicant :Hckvgen 8b SE 132 43 Saltsj Boo |
| (33) Name of priority country | :U.S.A. | Sweden |
| (86) International Application No | :PCT/US2012/052410 | 2)BJORKENIUS Tony |
| Filing Date | :25/08/2012 | 3)GILMORE Gregory |
| (87) International Publication No | :WO 2013/032958 | (72)Name of Inventor : |
| (61) Patent of Addition to Application | :NA | 1)GABRIELSSON Karl |
| Number | :NA | 2)BJORKENIUS Tony |
| Filing Date | .INA | 3)GILMORE Gregory |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | • |

(54) Title of the invention : A FILTER SEGMENT WITH A LIGHT WEIGHT FRAME

(57) Abstract :

A disc segment adapted to be attached to other disc segments to form a disc assembly the disc segment including an isosceles trapezoid frame. The frame comprises a left side rail and a right side rail and a plurality of spaced apart parallel horizontally extending ribs connected between the side rails. The frame defines a first disc side and an opposite second disc side each disc side including a corrugated left bottom clamp list adjacent the left side rail and supported by the ribs and a corrugated right bottom clamp list adjacent the right side rail and supported by the ribs. Each disc side also includes a corrugated wire mesh supported by the left and right clamp lists and supported by the frame ribs.

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

(19) INDIA

(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR CONTROLLING AN 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 (62) Divisional to Application Number Filing Date | :F02D41/14,F02D41/00 :10 2011 084 635.2 :17/10/2011 :Germany :PCT/EP2012/068844 :25/09/2012 :WO 2013/056944 :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)TIEBEL Wolfgang 2)RUPP Andreas |
|---|--|---|
|---|--|---|

(57) Abstract :

The invention relates to a method for operating an internal combustion engine comprising at least two cylinders in at least two modes of operation all cylinders being fired in a first mode of operation and only some cylinders being fired in a second mode of operation. In said method an actual cumulative lambda value of the internal combustion engine is adjusted to a desired cumulative lambda value using a lambda controller by adjusting the amount of fuel and/or air delivered to the fired cylinders. When switching from the first mode of operation to the second one a pilot control value is fed to the lambda controller said pilot control value compensating for a change in the actual cumulative lambda value that occurs if the mode of operation is switched without feeding a pilot control value.

No. of Pages : 19 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :15/03/2013

(54) Title of the invention : TEXTILE MACHINE HAVING AT LEAST TWO FUNCTIONALLY IDENTICAL DRAFTING 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 | :D06B :10 2012 103 144.4 :12/04/2012 :Germany :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)RIETER INGOLSTADT GMBH Address of Applicant :FRIEDRICH-EBERT-STRASSE 84, 85055, INGOLSTADT, GERMANY (72)Name of Inventor : 1)ALBERT KRIEGLER |
|---|---|---|
|---|---|---|

(57) Abstract :

The invention relates to a textile machine having at least two functionally identical drafting systems (1) for separately drafting a fiber material (2), the individual drafting systems (1) each comprising at least two roller pairs (3) disposed one after the other in the transport direction of the fiber material (2) and each having a lower roller (4) and an upper roller (5) associated with the lower roller (4), each lower roller (4) forming a clamping line (6) for the fiber material (2) with the associated upper roller (5), each drafting system (1) having a first adjusting arrangement (7) and at least one second adjusting arrangement (8), wherein at least one roller (4, 5) of a first roller pair (3a) of the respective drafting system (1) can be displaced by means of the first adjusting arrangement (7) and at least one roller (4, 5) of a second roller pair (3b) of the respective drafting system can be displaced by means of the second adjusting arrangement (8) in the transport direction of the fiber material (2), so that the clamping line spacing between the individual roller pairs (3) can be adjusted. The invention proposes that the first adjusting arrangements (7) of each of the individual drafting systems (1) are coupled to each other by means of a first coupling element (9a) and the second adjusting arrangements (8) of each of the individual drafting systems (1) are coupled to each other by means of a second coupling element (9b), so that adjusting the first adjusting arrangement (7) of a drafting system (1) causes the first adjusting arrangement(s) of the other drafting system(s) (1) to be adjusted, and adjusting the second adjusting arrangement (8) of a drafting system (8) of a drafting system (1) causes the second adjusting arrangement(s) (8) of the other drafting system(s) (1) to be adjusted.

No. of Pages : 29 No. of Claims : 14

(22) Date of filing of Application :27/02/2014

(54) Title of the invention : BIPHENYLCARBOXAMIDES AS ROCK KINASE 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 (57) Abstract : | :31/08/2011 :EPO :PCT/EP2012/067018 :31/08/2012 :WO 2013/030367 | (71)Name of Applicant : 1)AMAKEM NV Address of Applicant :Life Sciences Incubator Agoralaan A bis B 3590 Diepenbeek Belgium (72)Name of Inventor : 1)ALEN Jo 2)BOLAND Sandro 3)BOURIN Arnaud Pierre Jean 4)DEFERT Olivier 5)LEYSEN Dirk |
|---|---|--|
|---|---|--|

(57) Abstract :

The present invention relates to new kinase inhibitors more specifically ROCK inhibitors compositions in particular

pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In particular the present invention relates to new ROCK inhibitors compositions in particular pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In addition the invention relates to methods of treatment and use of said compounds in the manufacture of a medicament for the application to a number of therapeutic indications including sexual dysfunction inflammatory diseases ophthalmic diseases gastrointestinal diseases and respiratory diseases.

No. of Pages : 43 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61B17/072 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/251682 | 1)ETHICON ENDO SURGERY INC. |
| (32) Priority Date | :03/10/2011 | Address of Applicant :4545 Creek Road Cincinnati Ohio |
| (33) Name of priority country | :U.S.A. | 45242 U.S.A. |
| (86) International Application No | :PCT/US2012/058388 | (72)Name of Inventor : |
| Filing Date | :02/10/2012 | 1)HUEIL Geoffrey C. |
| (87) International Publication No | :WO 2013/052435 | 2)HUNT John V. |
| (61) Patent of Addition to Application | :NA | 3)VASUDEVAN Venkataramanan Mandakolathur |
| Number | :NA | 4)NUR Israel |
| Filing Date | INA | 5)FANUELE Greg J. |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | 1 |

(54) Title of the invention : ATTACHMENT OF SURGICAL STAPLE BUTTRESS TO CARTRIDGE

(57) Abstract :

A surgical instrument includes an end effector and a staple cartridge that is insertable into the end effector. The staple cartridge includes a buttress material that is selectively coupled to the staple cartridge. In some versions the buttress material may be stapled to the staple cartridge by one or more attachment staples. Such attachment staples may be inserted into staple apertures formed through an upper deck of the staple cartridge. The attachment staples may include resiliently biased legs to frictionally resist removal. In some versions the attachment staples may be sized to form an interference fit in the staple apertures. Alternatively the attachment staples may include barbs. A staple driver may be used to decouple the attachment staples. The staple driver may include staple forming pockets to bend the legs of the attachment staple when decoupling the attachment staple.

No. of Pages : 31 No. of Claims : 20

(21) Application No.2554/DELNP/2014 A

(22) Date of filing of Application :01/04/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ALLOYED HOT DIP GALVANIZED STEEL 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 | :Japan :PCT/JP2012/075198 :28/09/2012 :WO 2013/047810 :NA :NA | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor : 1)YAMANAKA Shintaro 2)FUJITA Soshi 3)SATO Koichi |
|---|--|---|
| Number Filing Date | :NA :NA | |

(57) Abstract :

A high strength alloyed hot dip galvanized steel sheet obtained by subjecting the surface of a high strength steel sheet to alloyed hot dip galvanization and formed from a steel sheet containing in mass% main components and containing at least 40 vol% bainite and/or martensite 8 60 vol% retained austenite and less than 40 vol% ferrite with the remainder comprising unavoidable structures. In the alloyed hot dip galvanization and the total thickness of the G1 layer and the G layer (T1+T) is 2 μ m or less in the alloy layers formed by hot dip galvanization and the G1 phase/G phase thickness ratio (T1/T) is 1 or less. A tensile strength of 980 MPa or above can be easily imparted to the alloyed hot dip galvanized steel sheet. The alloyed hot dip galvanized steel sheet has excellent coating adherence and coating separation during machining can be suppressed.

No. of Pages : 42 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :03/02/2014

(54) Title of the invention : DOSING SYSTEM FOR A LIQUID REDUCING AGENT

(43) Publication Date : 30/01/2015

(51) International classification :F01N3/24,B01D53/94 (71)Name of Applicant : (31) Priority Document No :102011081628.3 **1)ROBERT BOSCH GMBH** (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :26/08/2011 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2012/063342 (72)Name of Inventor : Filing Date 1)LANDES Ewgenij :09/07/2012 (87) International Publication No **2)BOEHLAND Peter** :WO 2013/029849 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Proposed is a dosing module for injecting liquid urea water solution into the exhaust tract of an internal combustion engine which dosing module is composed of two pumps specifically a delivery pump (5) and an aeration pump (15). This permits firstly the injection of urea water solutions and secondly safe and reliable ventilation of the system when the internal combustion engine is to be shut down.

No. of Pages : 31 No. of Claims : 19

(22) Date of filing of Application :27/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING MYO INOSITOL AND MYO INOSITOL DERIVATIVE

| (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/JP2012/079182 :09/11/2012 | (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)KONISHI Kazunobu 2)IMAZU Shinichi 3)SATO Mayumi |
|--|----------------------------------|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

To impart significantly improved myo inositol producing capability suitable for use in recombinant DNA techniques and synthetic biology methods to a host microorganism that does not possess an endogenous myo inositol biosynthesis pathway such as . [Solution] Inositol monophosphatase activity is strengthened in a transformant obtained by introducing a myo inositol biosynthesis pathway into a host microorganism that does not possess an endogenous myo inositol biosynthesis pathway.

No. of Pages : 68 No. of Claims : 23

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : HOSE COUPLING IN PARTICULAR FOR HYDRAULIC HIGH PRESSURE LINES OF A DISENGAGING SYSTEM

| (51) International classification | :F16L33/207 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2011 106 016.6 | 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG |
| (32) Priority Date | :30/06/2011 | Address of Applicant : Industriestrae 1 3 91074 |
| (33) Name of priority country | :Germany | Herzogenaurach Germany |
| (86) International Application No | :PCT/DE2012/000627 | (72)Name of Inventor : |
| Filing Date | :19/06/2012 | 1)LECOINTRE Jean Michel |
| (87) International Publication No | :WO 2013/000452 | 2)RIFFLET Tristan |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (77) 41 | | 1 |

(57) Abstract :

The invention relates to a hose coupling using a hose nipple (1) which can be connected to a hose line (10). A compression sleeve (5) with a first diameter region (6) is pushed over the hose line in the hose nipple connecting region and compressed using one or more first notches (crimps). The hose nipple has at least one first flange that adjoins the end of the hose line which is pushed onto the connecting region of the hose nipple. The compression sleeve has a second diameter region (7) which is reduced compared to the first diameter region by means of which at least one first flange of the hose nipple engages and which can be connected to the hose nipple in an axially fixed manner behind said flange using one or more second notches by means of compression (crimping).

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

(21) Application No.718/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CRIZOTINIB FOR USE IN THE TREATMENT OF CANCER (51) International classification :A61K31/4545,A61P35/00 (71)Name of Applicant : (31) Priority Document No 1)PFIZER INC. :61/514386 (32) Priority Date Address of Applicant :235 East 42nd Street New York New :02/08/2011 (33) Name of priority country York 10017 U.S.A. :U.S.A. (86) International Application No (72)Name of Inventor : :PCT/IB2012/053765 **1)CHRISTENSEN James Gail** Filing Date :24/07/2012 (87) International Publication No :WO 2013/017989 2)ZOU Yahong (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention relates to the use of ROS kinase inhibitors for treating abnormal cell growth in mammals. In particular the invention provides methods of treating mammals suffering from cancer mediated by at least one genetically altered ROS. In particular the invention provides methods of treating mammals suffering from cancer mediated by at least one genetically altered ROS by administration of crizotinib.

No. of Pages : 81 No. of Claims : 15

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : HIGH STRENGTH ZINC-PLATED STEEL SHEET AND HIGH STRENGTH STEEL SHEET HAVING SUPERIOR MOLDABILITY AND METHOD FOR PRODUCING EACH

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :C22C38/00,B21B3/00,C21D9/46 :2011167816 :29/07/2011 :Japan | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku |
|--|--|--|
| (86) International Application No Filing Date | :PCT/JP2012/069226 :27/07/2012 | Tokyo 1008071 Japan (72)Name of Inventor : 1)KAWATA Hiroyuki |
| (87) International PublicationNo(61) Patent of Addition toApplication Number | :WO 2013/018723 :NA :NA | 2)MARUYAMA Naoki 3)MURASATO Akinobu 4)MINAMI Akinobu 5)AZUMA Masafumi |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | 6)KUWAYAMA Takuya 7)YONEMURA Shigeru |

(57) Abstract :

This high strength steel sheet having superior moldability while securing the high strength of a maximum tensile strength of at least 900 MPa is characterized by having a predetermined component composition the steel sheet structure containing a ferrite phase and an austenite phase the ratio of bcc iron and unaligned Cu grains being at least 15% of the Cu grains overall the Cu grain density in the ferrite phase being at least 1.0 - 10 grains/m and the average grain size of the Cu grains in the ferrite phase being at least 2.0 nm.

No. of Pages : 60 No. of Claims : 10

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND DEVICE FOR TESTING THE CORRECT FUNCTION OF A SERIAL 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 (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :10 2011 081 733.6 :29/08/2011 :Germany :PCT/EP2012/066469 :24/08/2012 :WO 2013/030095 :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)HARTWICH Florian 2)BAILER Franz 3)HORST Christian 4)MUTTER Arthur |
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(57) Abstract :

The invention relates to a method for checking the correct function of a serial data transmission in a bus system having at least two bus subscribers. The bus subscribers are connected to the bus by means of a bus connection unit and exchange messages via the bus. The sending access to the bus for each message is assigned to a bus subscriber by means of the arbitration method as per CAN standard ISO 11898 1 which bus subscriber becomes the sender for the particular message. The messages have a logical structure as per the CAN standard in other words consist of a start of frame bit arbitration field control field data field CRC field acknowledge field and end of frame field. The correct function of the data transmission is checked during the transmission by comparing a sent signal sent to the bus connection unit with the received signal (CAN RX) received by the bus connection unit. The method is characterized in that a sent signal (CAN TX DEL) delayed by a delay time (T DELAY) compared to the sent signal (CAN TX) is held in the sender and the undelayed sent signal (CAN TX) or the delayed sent signal (CAN TX DEL) is used for the check of the correct function of the data transmission depending on a switchover.

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

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITE RADOME WALL

| (51) International classification (31) Priority Document No (32) Priority Date (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/EP2012/067813 :12/09/2012 :WO 2013/037811 :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)BEARD Andrew 2)KOLAK Lewis 3)THOMPSON Chae 4)OOSTERBOSCH Eelco |
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(57) Abstract :

The invention relates to a radome wall comprising a composite panel of a sandwich type containing two facings separated by a core of an expanded polymeric material wherein the facings contain a multi layered sheet comprising a consolidated plurality of layers said layers containing polymeric tapes.

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

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN ISOLATED PROMOTER CAPABLE OF DRIVING AND/OR REGULATING EXPRESSION IN 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 | :C21N :03075331.3 :04/02/2003 :EPO :PCT/EP2004/050081 :04/02/2004 : NA :NA :NA :NA | (71)Name of Applicant : CROPDESIGN N.V. Address of Applicant :Technologiepark 3, B-9052 Zwijnaarde, Belgium (72)Name of Inventor : HATZFELD, Yves BROEKAERT, Willem |
|---|---|--|
| Filing Date (62) Divisional to Application Number Filed on | :564/DELNP/2008 :21/01/2008 | |

(57) Abstract :

A genetic construct comprising a promoter capable of driving and /or regulating expression in green tissue of plant, comprising: (a) an isolated nucleic acid as given in SEQ ID NO 14 or the complement thereof; or (b) an isolated nucleic acid having at least 90% sequence identity with DNA sequences as given in SEQ ID NO 14; or (c) an isolated nucleic acid specifically hybridizing under stringent conditions such as herein described with DNA sequences as given in SEQ ID NO 14; or (d) an isolated nucleic acid as defined in any one of (a) to (c), which is interrupted by an intervening sequence; or (e) a fragment of any of the nucleic acids as defined in (a) to (d), which fragment is capable of driving and/or regulating expression.

No. of Pages : 48 No. of Claims : 7

(22) Date of filing of Application :01/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PRODUCTION OF A CYSTEINE RICH PROTEIN

| (51) International classification :A61K39/015,C07K14/445,C12N15/30 (31) Priority Document No:PA 2011 00765 (32) Priority Date :04/10/2011 (33) Name of priority country :Denmark (86) International PCT/DK2012/000108 :O3/10/2012 (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 (62) Divisional to Application Number Filing Date (63) Patent of Number Filing Date (64) Patent of Number Filing Date (65) Divisional to SNA SNA SNA SNA SNA SNA SNA SNA SNA SNA | (71)Name of Applicant : 1)STATENS SERUM INSTITUT Address of Applicant :Artillerivej 5 DK 2300 Copenhagen S Denmark (72)Name of Inventor : 1)THEISEN Michael 2)ANDERSEN Gorm |
|--|---|
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(57) Abstract :

The present invention relates to a method for the production of correctly folded Pfs48/45. This is achieved in the when Pfs48/45 or fractions thereof are fused genetically to a glutamate rich protein e.g. GLURP from .

No. of Pages : 62 No. of Claims : 19

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TEXTILE MACHINE HAVING A MOUNTING FIXTURE FOR A SECOND CABLE CARRIER GUIDE

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :D06B :10 2012 103 531.8 :20/04/2012 :Germany :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)RIETER INGOLSTADT GMBH Address of Applicant :FRIEDRICH-EBERT-STRASSE 84, 85055, INGOLSTADT, GERMANY (72)Name of Inventor : 1)HARALD WIDNER |
|---|--|---|
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(57) Abstract :

The present invention relates to a textile machine (1), particularly a spinning machine, having a plurality of work stations (3) arranged adjacent to each other in the longitudinal direction of the textile machine (1), having at least one maintenance device (10) displaceable in the longitudinal direction of the textile machine (1) along the work stations (3), and having a device for supplying energy (18) to the maintenance device(s) (10). The maintenance device(s) (10) comprise a cable carrier (15) for each maintenance device (10) and a cable carrier guide (17) extending in the longitudinal direction of the textile machine (1), the textile machine (1) comprising a mounting fixture (21) for a cable carrier guide (17) having two guide tracks (16). The textile machine (1) comprises a second mounting fixture (21) for a second cable carrier guide (17) having at least three guide tracks (16), wherein the first or the second cable carrier guide (17, 17) can be attached to the textile machine (1) alternatively to each other. The present invention further relates to a cable carrier guide (17) of a textile machine (1), particularly of a spinning machine, extending in the longitudinal direction of the textile machine (1) and an attachment fixture for attaching to a second mounting fixture (21) of the textile machine (1) and a spinning machine, extending in the longitudinal direction of the textile machine (1) and a tracks (16) and an attachment fixture for attaching to a second mounting fixture (21) of the textile machine (1).

No. of Pages : 23 No. of Claims : 17

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NEEDLE FREE CONNECTOR WITH A COLLAPSIBLE RESILIENT MEMBRANE FITTING AND CORRESPONDING METHOD

| (51) International classification | :A61M39/10 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :11306014.9 | 1)B. BRAUN MELSUNGEN AG |
| (32) Priority Date | :04/08/2011 | Address of Applicant : Carl Braun Strasse 1 34212 Melsungen |
| (33) Name of priority country | :EPO | Germany |
| (86) International Application No | :PCT/EP2012/065306 | (72)Name of Inventor : |
| Filing Date | :03/08/2012 | 1)BONNAL Olivier |
| (87) International Publication No | :WO 2013/017698 | 2)FUCHS Juergen |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 1 | | l |

(57) Abstract :

The invention proposes a needle free connector (20) for fluid passage comprising: a valve body comprising : a first port (26); a second port (46); a hollow resilient membrane (30) disposed in the valve body and having: a first end (32) and a second end (34); a flank (38) extending between the first end (32) and the second end (34) fitting with the internal surface of the valve body a slit (36) of the first end (32) being: closed when the first end (32) is disposed in the first port (26) or opened when the first end (32) is pushed into the valve body. The invention also proposes a drug recipient comprising a bottle or a bag designed to store drug and the needle free connector. The invention offers a needle free connector with a slitted resilient membrane having reduced priming volume.

No. of Pages : 32 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(51) International classification :H04L29/06,H04L29/12 (71)Name of Applicant : (31) Priority Document No 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) :13/271047 (32) Priority Date Address of Applicant :S 164 83 Stockholm Sweden :11/10/2011 (72)Name of Inventor : (33) Name of priority country :U.S.A. (86) International Application No :PCT/IB2012/055460 1)HADDAD Wassim 2)HALPERN Joel Filing Date :09/10/2012 (87) International Publication No :WO 2013/054261 (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 : PROVIDING VIRTUALIZED VISIBILITY THROUGH ROUTERS

(57) Abstract :

A method implemented by a network element to track IPv6 addresses of devices in a home network wherein the network element provides DHCPv6 service to the home network and a home network router on the home network assigns IPv6 address to the devices using a prefix provided by the DHCPv6 service the method including receiving a DHCPv6 request for a prefix delegation from a home network router sending a DHCPv6 message including an assigned prefix to the home network router the DHCPv6 message including a request for notification of configured IPv6 addresses receiving a first ICMP message from the home network router a second ICMP message to acknowledge recording the IPv6 address for the configured device enabling the network element to provide services and forward traffic directly to the configured device.

No. of Pages : 24 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MULTI LAYERED RELEASE FORMULATION

| classification:A61K9/20,A61K9/16,A61K31/196(31) Priority Document No:11179362.6(32) Priority Date:30/08/2011 | (71)Name of Applicant : 1)UNIVERSITEIT GENT Address of Applicant :St. Pietersnieuwstraat 25 B 9000 Gent Belgium (72)Name of Inventor : 1)REMON Jean Paul 2)VERVAET Chris |
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(57) Abstract :

The present invention in general relates to a pharmaceutical dosage form comprising a multi layered release formulation formed by co extrusion. Said formulation in particular comprises a core layer comprising at least one polymer selected from polycaprolactone ethylcellulose or combinations thereof; and a coat layer comprising at least one (co)polymer selected from the list

comprising: polyethylene oxide; polyethylene glycol; Basic Butylated Methacrylate (co)polymer; a (co)polymer of polyvinylcaprolactam PEG and polyvinylacetate; or combinations thereof.

No. of Pages : 57 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : STATISTICAL AUTOREFRACTOR | | |
|---|---------------------------------|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61B3/103 :NA :NA :NA | (71)Name of Applicant : 1)CARL ZEISS VISION INTERNATIONAL GMBH Address of Applicant :Gartenstrasse 97 73430 Aalen Germany 2)CARL ZEISS VISION INC. (72)Name of Inventor : 1)SPRATT Ray Steven 2)KRATZER Timo |

(57) Abstract :

Methods for determining a prescription (Rx) for a person include providing aberrometric data characterizing wavefront errors of the persons eye the aberrometric data being obtained using an wavefront sensor and comprising one or more coefficients characterizing the wavefront errors; determining a starting Rx for the persons eye based on the one or more coefficients and on predetermined information relating aberrometric data and subjective refraction data for a plurality of peoples eyes; and reporting the starting Rx to an eye care professional.

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

(21) Application No.731/DELNP/2014 A

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : USE OF ISOSORBIDE MONOESTERS AS THICKENERS

| (51) International classification (31) Priority Document No (32) Priority Date (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/EP2012/003244 :31/07/2012 :WO 2013/017255 :NA :NA | (71)Name of Applicant : 1)CLARIANT INTERNATIONAL LTD Address of Applicant :Rothausstrasse 61 4132 Muttenz Switzerland (72)Name of Inventor : 1)PILZ Maurice Frederic 2)KLUG Peter 3)SCHERL Franz Xaver |
|--|--|--|
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(57) Abstract :

There is described the use of one or more compounds of the formula (I) in which R is a linear or branched saturated alkyl group having 5 to 11 carbon atoms or a linear or branched monounsaturated or polyunsaturated alkenyl group having 5 to 11 carbon atoms as thickener. The compound(s) is/are preferably used in cosmetic dermatological or pharmaceutical compositions in plant protection formulations in detergents or cleaners or in colorants or paints.

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

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBO | ODY FRAGMENT | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :24/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO K1A 0R6, CANADA (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(21) Application No.1548/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :G06F9/44 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :1429/11 | 1)FERAG AG |
| (32) Priority Date | :31/08/2011 | Address of Applicant :Z ¹ / ₄ richstrasse 74 CH 8340 Hinwil |
| (33) Name of priority country | :Switzerland | Switzerland |
| (86) International Application No | :PCT/CH2012/000198 | (72)Name of Inventor : |
| Filing Date | :22/08/2012 | 1)SCHEPP Michael |
| (87) International Publication No | :WO 2013/029190 | |
| (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 : GENERATING A USER INTERFACE ON A DISPLAY

(57) Abstract :

In order to generate a graphical user interface for a Programme application on a display, multiple plug-ins for said programme application are registered (Sl) in a plug-in catalogue. The plug-ins comprise 2 1 22 sr 23 a main window plug-in and multiple window area plug-ins. When the Programme application is started, the main window plug-in (S31) is started, said plug-in representing a main window on the display and defining (S35) multiple sub-areas of the main window. The defined sub-areas of the main window are registered (S4) in an area manager. In addition, the window area plug-ins are started (S32) and each plug-in is registered (S36) in the area manager and linked (S5) by the area manager to one of the defined sub-areas of the main window. Each window area plug-in represents a window area on the display in the sub-area of the main window to which the plug-in is linked (56).

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

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ANNULAR COMBUSTION CHAMBER FOR A TURBINE ENGINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (36) International Application No (37) Priority Date (30) Priority Date (31) Priority Date (32) Priority Date (33) Name of priority country (31) Priority Date (32) Priority Date (33) Name of priority country (31) Priority Date (31) Priority Date (32) Priority Date (33) Name of priority country (31) Priority Date (32) Priority Date (33) Name of priority Country (31) Priority Date (32) Priority Date (33) Name of priority Country (31) Priority Date (32) Priority Date (33) Name of Priority Country (34) Priority Date (35) Priority Date (35) Priority Date (36) Priority Date (37) Priority Date (36) Priority Date (37) Priority Date (36) Priority Date (37) Priority Date (37) Priority Date (38) Priority Date (39) Priority Date (31) Priority Date (31) Priority Date<th> (71)Name of Applicant : SNECMA Address of Applicant :2 boulevard du Gnral Martial Valin F 75015 Paris France (72)Name of Inventor : SANDELIS Denis Jean Maurice PIEUSSERGUES Christophe </th> | (71)Name of Applicant : SNECMA Address of Applicant :2 boulevard du Gnral Martial Valin F 75015 Paris France (72)Name of Inventor : SANDELIS Denis Jean Maurice PIEUSSERGUES Christophe |
|--|---|
|--|---|

(57) Abstract :

The invention relates to an annular combustion chamber comprising inner and outer walls forming surfaces of revolution that are connected together upstream by an annular chamber end wall having injection systems passing therethrough, each injection system comprising at least 10 one swirler for producing a rotating stream of air downstream from a fuel injector, and a frustoconical bowl (78) downstream from the swirler and formed with an annular row of air injection orifices (80, 86), the outer wall having an annular row of primary dilution orifices. 15 The orifices (80, 86) of the bowls (78) are distributed and dimensioned in such a manner that sheets of air/fuel mixture present a local enlargement circumferentially intersecting an adjacent sheet of fuel upstream from the primary dilution orifices.

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

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPOSITIONS CONTAINING ISOSORBIDE MONOESTER AND N HYDROXYPYRIDONES

| classification (31) Priority Document No (32) Priority Date (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/EP2012/003248 :31/07/2012 :WO 2013/017259 :NA :NA | (71)Name of Applicant : CLARIANT INTERNATIONAL LTD Address of Applicant :Rothausstrasse 61 4132 Muttenz Switzerland (72)Name of Inventor : 1)PILZ Maurice Frederic 2)KLUG Peter 3)SCHERL Franz Xaver 4)GROHMANN Joerg |
|--|--|--|
| Number | :NA | |

(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 substances selected from the group consisting of hydroxypyridones and the salts thereof. The compositions are characterized in particular by an advantageous antimicrobial effect.

No. of Pages : 77 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :28/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR REPRESENTING THE AREA SURROUNDING A VEHICLE

| (51) International classification | :G06T15/20 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2011 084 554.2 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :14/10/2011 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/068794 | (72)Name of Inventor : |
| Filing Date | :24/09/2012 | 1)EHLGEN Tobias |
| (87) International Publication No | :WO 2013/053589 | 2)VEPA Leo |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | l |

(57) Abstract :

The invention relates to a method for changing a projection plane (46) upon detection of at least one object particularly at least one raised object (34) in the area surrounding a vehicle (30). The area surrounding a vehicle is monitored for raised objects (34). The coordinates of a base point (48) of at least one detected raised object (34) and the width thereof are then ascertained after which the projection plane (46) in front of the at least one detected raised object (34) is optionally raised within a transition region (50) starting from this base point (48).

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

| (51) International classification | :B67B7/06 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :11168885.9 | 1)PROMECO |
| (32) Priority Date | :07/06/2011 | Address of Applicant :Doornikserijksweg 12 B 8510 Bellegen |
| (33) Name of priority country | :EPO | (72)Name of Inventor : |
| (86) International Application No | :PCT/EP2012/060798 | 1)VAN DEN BREMT Yvan |
| Filing Date | :07/06/2012 | |
| (87) International Publication No | :WO 2012/168362 | |
| (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 : A CORK REMOVER FOR A BOTTLE CONTAINING SPARKLING LIQUID

(57) Abstract :

The present invention relates to a cork remover for a bottle containing sparkling liquid comprising: an outer body (a) and an inner body (b) having cork gripping means (c) and being slidably mounted in the outer body characterized in that the cork remover comprises a notch (d) for positioning the outer body over a bottle cork s safety harness bottle gripping means on the outer body for engaging on the bottle neck and means (e f) for restricting the inner body s sliding movement in the cork s expelling direction.

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

(19) INDIA

(22) Date of filing of Application :13/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR COOLING ELECTRICAL COMPONENTS

| (51) International classification(31) Priority Document No(32) Priority Date | :F17C :13/434,644 :29/03/2012 | · · |
|--|-------------------------------------|------------------------|
| (33) Name of priority country | :U.S.A. | NEW YORK 12345, USA. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)BRAY, JAMES WILLIAM |
| (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 cooling system is provided for cooling an electrical component The cooling system includes a supply of liquid natural gas (LNG) and a heat sink configured to be positioned in thermal communication with the electrical component. The cooling system also includes an LNG conduit configured to be interconnected between the !heat sink and the supply of LNG such that the LNG conduit is configured to carry LNG from the supply to the heat sink A pump is configured to be operatively connected in fluid communication with the supply of LNG. The pump is configured to move LNG within the LNG conduit from the supply to the heat sink.

No. of Pages : 33 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :31/01/2014

(54) Title of the invention : REGULATION METHOD

(43) Publication Date : 30/01/2015

| | IN METHOD | |
|--|--------------------|--|
| | | |
| (51) International classification | :G05B13/04 | (71)Name of Applicant : |
| (31) Priority Document No | :11290333.1 | 1)ALSTOM Technology Ltd |
| (32) Priority Date | :20/07/2011 | Address of Applicant :Brown Boveri Strasse 7 CH 5400 |
| (33) Name of priority country | :EPO | Baden Switzerland |
| (86) International Application No | :PCT/EP2012/064323 | (72)Name of Inventor : |
| Filing Date | :20/07/2012 | 1)HISSEL Anne Marie |
| (87) International Publication No | :WO 2013/011134 | 2)DE LARMINAT Phillipe |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .11/1 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | · |

(57) Abstract :

THE INVENTION CONCERNS A METHOD FOR AUTOMATIC REGULATION OF A SYSTEM IN WHICH A PLURALITY OF PARAMETERS CHARACTERISTIC OF THE SYSTEM ARE MEASURED AND IN WHICH AT LEAST ONE CONTROL PARAMETER (U) IS APPLIED AS A FUNCTION OF THE MEASURED PARAMETERS (Y) CHARACTERIZED IN THAT: A NOMINAL OPERATING POINT OF THE SYSTEM IS CHOSEN A NOMINAL MODEL (MN) DESCRIBING THE SYSTEM AT THIS NOMINAL OPERATING POINT IS DETERMINED AND ESTIMATED CHARACTERISTIC OUTPUT PARAMETERS (Y) CORRESPONDING TO MEASURABLE CHARACTERISTIC PARAMETERS (Y) ARE DETERMINED FROM SAID NOMINAL MODEL THE ERRORS BETWEEN AT LEAST ONE OF THE MEASURED CHARACTERISTIC OUTPUT PARAMETERS (Y) AND AT LEAST ONE OF THE ESTIMATED CHARACTERISTIC OUTPUT PARAMETERS (Y) ARE DETERMINED AND AT LEAST ONE OF THE ESTIMATED CHARACTERISTIC OUTPUT PARAMETERS (Y) ARE DETERMINED AND AT LEAST ONE CONTROL PARAMETER OF THE SYSTEM IS APPLIED AS A FUNCTION OF THE ERRORS DETERMINED TO REDUCE THE ERROR BETWEEN AT LEAST ONE OF THE ESTIMATED CHARACTERISTIC OUTPUT PARAMETERS (Y) AND THE CORRESPONDING AT LEAST ONE MEASURED VALUE OF THE MEASURED CHARACTERISTIC OUTPUT PARAMETERS (Y).

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

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBO | ODY FRAGMENT | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :24/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO K1A 0R6, CANADA (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61F2/38,A61F2/46 | (71)Name of Applicant : |
|---|--------------------|--|
| (31) Priority Document No | :1114059.7 | 1)DEPUY (IRELAND) |
| (32) Priority Date | :16/08/2011 | Address of Applicant :Loughbeg Ringaskiddy County Cork |
| (33) Name of priority country | :U.K. | Ireland |
| (86) International Application No | :PCT/GB2012/051271 | (72)Name of Inventor : |
| Filing Date | :06/06/2012 | 1)MARTER Alex |
| (87) International Publication No | :WO 2013/024245 | |
| (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 : ATTACHMENT MECHANISM

(57) Abstract :

An attachment mechanism method of manufacture and method of use are described for releasably attaching a first component and a second component of an orthopaedic apparatus. The attachment mechanism comprises a boss extending from a surface of the first component and having a free end and a side wall. A retaining mechanism is provided in the second component. The retaining mechanism comprises a plurality of walls defining an aperture in the second component to receive the boss therein. At least part of one of the plurality of walls is a resiliency flexible member engineered to apply sufficient force to a part of the side wall of the boss when inserted in the aperture to provide an interference fit between the boss and the plurality of walls of the aperture to releasably retain the boss within the aperture.

No. of Pages : 29 No. of Claims : 26

(21) Application No.705/DELNP/2014 A

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR REMOVING OXYGENATED CONTAMINANTS FROM AN ETHYLENE 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 (2) Discrimination Application | :13/07/2012 | (71)Name of Applicant : 1)TOTAL RESEARCH & TECHNOLOGY FELUY Address of Applicant :Zone Industrielle C B 7181 Seneffe Belgium 2)IFP ENERGIES NOUVELLES (72)Name of Inventor : 1)DAS Babua 2)ARRATIA Manuela 3)BOUTROT Catherine |
|---|-------------|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention is a process for removing oxygenated contaminants from an ethylene stream comprising : a)providing a dried ethylene stream (A) comprising essentially ethylene up to 1 w% oxygenates ethane CO CO2 H2 CH4 and C3+

hydrocarbons b)sending said stream (A) to a C2 splitter/deethanizer to produce a bottom stream comprising essentially ethane oxygenates and C3+ hydrocarbons an overhead comprising the remaining components c)sending said overhead to a fixed bed CO2 adsorption zone to recover a stream essentially free of CO2 d)sending said stream essentially free of CO2 to a demethanizer/CO stripper to recover an overhead comprising H2 CH4 and CO liquid ethylene at the bottoms. In another embodiment the CO2 removal step can be made on the recovered ethylene.

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

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :G06F17/30 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :201110190961.X | 1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY |
| (32) Priority Date | :08/07/2011 | LIMITED |
| (33) Name of priority country | :China | Address of Applicant :4/F. East 2 Block. SEG Park. Zhenxing |
| (86) International Application No | :PCT/CN2012/077590 | Rd. Futian District Shenzhen Guangdong 518044 China |
| Filing Date | :27/06/2012 | (72)Name of Inventor : |
| (87) International Publication No | :WO 2013/007147 | 1)GAO Wenjun |
| (61) Patent of Addition to Application | :NA | 2)JIANG Junjun |
| Number | :NA | 3)HE Ming |
| Filing Date | .11A | 4)CHEN Lei |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) Alaster et a | | • |

(54) Title of the invention : WEBPAGE BROWSING METHOD AND DEVICE

(57) Abstract :

Disclosed are a webpage browsing method and device. The method comprises: switching a browser to a first working state and the browser accessing a server through the Internet in the first working state; downloading the data of a current page and page data of preset N pages following the current page from the server in sequence and caching the data of each page and displaying the current page N being a natural number; updating the server link address of each cached page with the cache storage address; after the data of the current page and the following N pages is cached disconnecting the browser from the Internet; and switching the browser to a second working state selecting any page from the cached current page and N following pages and opening the page by clicking and reading data from the cache according to the cache storage address corresponding to the selected page so as to display the selected page. By using the present invention the traffic expenditure of a user can be reduced and the browsing experience of the user can be improved.

No. of Pages : 17 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBO | ODY FRAGMENT | |
|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :24/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO, K1A 0R6,CANADA. (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| f Applicant : Tomislav of Applicant :II Ravnice 26 10000 Zagreb Croatia |
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| f Inventor : |
| Tomislav |
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(54) Title of the invention : INSULATED WALL MODULE

(57) Abstract :

The construction of a wall module of superior insulation properties required for passive buildings, the method of its industrial production for easy to install at erection site as technical design of the load bearing steel truss of the defined height, width and thickness, made of appropriate shaped steel elements, of appropriate dimensions, positioned appropriately to form the structure and fixed in compliance with all relevant requirements of the professional building practice and regulations. Steel elements are mostly C elements, horizontal (1.1) and vertical (1.2) C elements with fastening mechanisms fastened on the outside horizontally (2.1) and vertically (2.2) with internal (1.3) and external (1.4) spacers positioned on their sides of low thermal conductivity on which internal (6.2) and external (6.3) lining panels are placed of the appropriate thickness defining in such manner the total thickness of the wall. The complete wall is factory-built so that the developed steel structure with all needed installation channels built in and with placed lining panels is placed in the appropriate press to inject expanded polyurethane in the space between the lining and the outside line of the steel structure that forms the wall, at approximately 3-bar pressure, which then expands and squeezes out the air from within the structure thereby creating a compact fill mass eliminating any risk of damp and condensation in the wall, at the Fig. 10 same time improving for at least 30 % the statics of the steel structure. In this way a full compact wall of precise dimensions is built in a factory to the full completion with all ceramic tiles and parquet flooring, with all needed installation channels built in, with all openings including window and door openings of excellent insulation properties with the heat penetration coefficient U of approximately 0.14 $W/(m2K^{\circ})$ which is less than 0.15 $W/(m2K^{\circ})$ as the limit value for the compliance with passive house characteristics. Walls produced in entirety or in segments according to the described invention are transported to the site and installed, all the walls or their segments are joined, with fastening mechanisms vertically and horizontally, to make complete build - ing structures. Because this invention allows the precise building of walls, in entirety or in segments, their installation after the transport on site is easy, based on precisely defined figures and methods, with the minimum labor and in a short time period, with only a few tools and equipment needed for the job. If all such modules, i.e., all wall elements are factory-made, with all windows, doors, utility channels and/or other addi- tional elements installed in the production facility, one can make in advance the entire structure before it is brought to the building site, which results in a very flexible building concept with additionally reduced building costs.

No. of Pages : 26 No. of Claims : 5

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATIC DISCOVERY AND REQUEST ROUTING FOR 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 | :H04W40/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)MVENTUS SOLUTIONS PRIVATE LIMITED Address of Applicant :21594 GRAND AVE, CUPERTINO, CA 95014, UNITED STATES U.S.A. (72)Name of Inventor : 1)SANDEEP MITTAL 2)RAJESH SAO |
|---|--|---|
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(57) Abstract :

A method and apparatus for auto discovery and registration of a mobile device is provided. A Discovery Sensor Unit (DSU) retrieves a Discovery Server URL, and sends a request to a Discovery Server (DS) to get a Mobile Server Platform (MSP) URL for an individual user, or a Mobile Station International Subscriber Directory Number (MSISDN). The DS receives the request for the provided MSISDN and fetches the MSP URL based on the provided MSISDN with a country code. The DS has a database mapping of supported country code and available MSP URLs. The DS checks the country code for the received request and sends back the mapped URL for the country code. Upon receiving the MSP URL, the DSU makes a request to the MSP to get the user specific content. Each MSP is capable of serving a group of MSISDN belonging to a specific country.

No. of Pages : 31 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :15/03/2013

(54) Title of the invention : SCAN FLIP-FLOP, METHOD THEREOF AND DEVICES HAVING THE SAME

| (51) International classification:G11C(31) Priority Document No:10-20(32) Priority Date:16/03(33) Name of priority country:Reput(33) Name of priority country:Reput(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:NAFiling Date:NAFiling Date:NAKa:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NAFiling Date:NA | 12-1)SAMSUNG ELECTRONICS CO. LTD.87Address of Applicant :129, SAMSUNG-RO, YEONGTONG-/2012GU, SUWON-SI, GYEONGGI-DO, 443-742, REPUBLIC OFblicKOREA |
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|---|---|

(57) Abstract :

A scan flip-flop, which performs a normal operation latching a data input and a scan operation latching a scan input, includes a first circuit, a second circuit and a latch. The first circuit determines a voltage of an intermediate node based on a clock signal, one of the data input and the scan input, and data of a latch input node. The second circuit determines the data based on the clock signal, the voltage of the intermediate node and the data input during the normal operation, and determines the data based on the clock signal and the voltage of the intermediate node during the scan operation. The latch latches the data based on the clock signal.

No. of Pages : 77 No. of Claims : 30

(22) Date of filing of Application :01/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEMS AND METHODS FOR ESTIMATING EXTRACORPOREAL BLOOD VOLUME AND FOR COUNTING SURGICAL SAMPLES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :G06K9/62 :61/506082 :09/07/2011 :U.S.A. :PCT/US2012/045969 :09/07/2012 :WO 2013/009709 :NA :NA :NA :NA | (71)Name of Applicant : 1)GAUSS SURGICAL Address of Applicant :22700 Alcalde Road Cupertino CA 95014 U.S.A. (72)Name of Inventor : 1)SATISH Siddarth 2)MILLER Kevin 3)ZANDIFAR Ali 4)ZHAO Charles 5)HOSFORD Andrew 6)ABDULLA Amer 7)HSIEH Michael 8)REMPEL David 9)GONZALGO Mark |
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(57) Abstract :

One method for estimating the extracorporeal blood volume in a portion of a physical sample includes: extracting a feature from a portion of an image of the sample; tagging the portion of the image of the sample with a blood volume indicator according to the extracted feature; and estimating the extracorporeal blood volume in at least the portion of the physical sample identified in the portion of the image of the sample according to the blood volume indicator.

No. of Pages : 64 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBO | DY FRAGMENT | |
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| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/00451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :29/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG-06B, OTTAWA, ONTARIO, K1A 0R6,CANADA. (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : RESID CATALYTIC CRACKER AND CATALYST FOR INCREASED PROPYLENE YIELD

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | n:C10G11/18,B01J29/40,B01J29/46 :13/300091 :18/11/2011 :U.S.A. :PCT/US2012/054546 :11/09/2012 :WO 2013/074191 | (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)MEHLBERG Robert 2)GAMAS CASTELLANOS Erick D. 3)HUOVIE Chad R. |
|--|---|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

A process and catalyst for improving the yield of propylene from residual oil feedstock includes obtaining residual oil feedstock from a vacuum distillation tower. The residual oil feedstock has contaminant metals such as sodium or vanadium. The residual oil feedstock is contacted with a cracking catalyst in a catalytic cracking zone to make products. A ZSM-5 zeolite a binder a filler and a metal trap are components of the cracking catalyst. The metal trap has a trapping agent in an outer shell of the catalyst a trapping agent in the ZSM-5 binder or combinations thereof. After reacting the cracking catalyst is separated from the products in a separator zone then regenerated by combusting coke deposited on a surface of the cracking catalyst in an oxygen containing environment. The cracking catalyst is returned to the catalytic cracking zone. The catalyst with the metal trap is also disclosed.

No. of Pages : 15 No. of Claims : 10

(22) Date of filing of Application :18/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR OPERATING A COMBINED CYCLE POWER PLANT AND PLANT TO CARRY OUT SUCH A METHOD

| (51) International classification(31) Priority Document No(32) Priority Date | :F02C :12160146.2 :19/03/2012 | (71)Name of Applicant : 1)ALSTOM TECHNOLOGY LTD Address of Applicant :BROWN BOVERI STRASSE 7, 5400 |
|--|-------------------------------------|---|
| (33) Name of priority country | :EUROPEAN UNION | BADEN, SWITZERLAND (72)Name of Inventor : |
| (86) International Application No | :NA | 1)BRIGHENTI, ANDREA |
| Filing Date | :NA | 2)LILLEY DARREL, SHAYNE |
| (87) International Publication No | : NA | 3)FRANITZA, KARSTEN |
| (61) Patent of Addition to Application Number | :NA | 4)NEMET, ANTON |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is a method for operating a gas turbine (11) comprising a compressor (14), which is equipped with variable inlet guide vanes (13) and receives at its inlet an inlet air flow, which has passed a temperature-affecting air inlet system (12a), a combustor (15, 15) and a turbine (16, 16). In a closed loop control scheme, a control variable indicative of the turbine outlet temperature (TAT2) is generated, and the air inlet system (12a) and/or the variable inlet guide vanes (13) are controlled in accordance with said control variable such that the turbine outlet temperature (TAT2) is kept at or above a desired setting value (TAT2min).

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

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ZIRCONIUM PRETREATMENT COMPOSITIONS CONTAINING A RARE EARTH METAL ASSOCIATED METHODS FOR TREATING METAL SUBSTRATES AND RELATED COATED METAL SUBSTRATES

| (51) International classification | :C23C22/50,C23C22/53,C23C22/56 | (71)Name of Applicant : 1)PPG INDUSTRIES OHIO INC. |
|---|-----------------------------------|--|
| (31) Priority Document No | :13/197075 | Address of Applicant :3800 West 143rd Street Cleveland Ohio |
| (32) Priority Date | :03/08/2011 | 44111 U.S.A. |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date | :PCT/US2012/039820 :29/05/2012 | 1)SILVERNAIL Nathan J. 2)McMILLEN Mark W. 3)CHENG Shan |
| (87) International Publication No | :WO 2013/019303 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Disclosed are methods for treating metal substrates that include contacting the substrate with a pretreatment composition comprising a rare earth metal and a zirconyl compound. The present invention also relates to coated substrates produced thereby and further to substrates additionally coated with an electrophoretically applied coating composition.

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

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :B62K25/00 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10 2011 051 850.9 | 1)BETTIN Karsten |
| (32) Priority Date | :14/07/2011 | Address of Applicant :Koblenzer Strae 5 30173 Hannover |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/DE2012/100207 | (72)Name of Inventor : |
| Filing Date | :07/07/2012 | 1)BETTIN Karsten |
| (87) International Publication No | :WO 2013/007253 | |
| (61) Patent of Addition to Application | •NT A | |
| Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
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(54) Title of the invention : REAR WHEEL DRIVE

(57) Abstract :

The invention relates to a rear wheel drive, optionally for bicycles or for trailer bicycles. The rear wheel drive, which is advantageous for driving small rear wheels, contains at least one output gear rim of a chain drive, a driving mechanism that has the output gear rim or a driving mechanism that is non-rotatably connected to the output gear rim, a single-part or multipart rear wheel shaft on which the driving mechanism is mounted, and at least one bearing which supports the rear wheel shaft relative to the bicycle frame and which ist arranged between the seat of the rear wheel and the driving mechanism. The rear wheel shaft is mounted on only one side of the driving mechanism relative to the bicycle frame. According to the invention, a running wheel coupling that transmits the torque of the driving mechanism directly onto the rear wheel shaft is achieved between the driving mechanism an the rear wheel shaft, whereby the use of output gear rims with particularly small tooth counts becomes possible. Thus, short distances between the rear wheel and the bottom bracket and single-arm suspensions in the bicycle frame can be implemented together with the implementation of suitable developments of the chain drive for small running wheels. Six-speed derailleur gears can be implemented for different running wheel sizes using two output gear rims and a triple-drive sprocket.

No. of Pages : 38 No. of Claims : 39

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONDITIONING OF BIOMASS FOR IMPROVED C5/C6 SUGAR RELEASE PRIOR TO FERMENTATION

| (51) International classification (31) Priority Document No (32) Priority Date (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/CA2012/050481 :12/07/2012 :WO 2013/010271 :NA :NA | (71)Name of Applicant : 1)GREENFIELD SPECIALTY ALCOHOLS INC. Address of Applicant :20 Toronto Street Suite 1400 Toronto Ontario M5C 2B8 Canada (72)Name of Inventor : 1)DOTTORI Frank A. 2)BENSON Robert Ashley Cooper 3)BENECH Rgis Olivier |
|---|--|---|
| | :NA :NA | |

(57) Abstract :

Disclosed is an improvement in a conventional process for C5 and C6 sugar recovery from lignocellulosic biomass for fermentation to ethanol which process including the conventional steps of pretreatment of the biomass with steam at elevated temperature and pressure collection of C5 sugars from hemicellulose breakdown cellulose hydrolysis and collection of C6 sugars from cellulose breakdown. The improvement includes conditioning of the biomass prior to the pretreatment step by heating the biomass with steam for a time period between 5 minutes to 60 minutes to achieve a steam treated biomass having a temperature of about 80 to 100oC; and adjusting a moisture content of the steam treated biomass to about 45% to 80%. An increased recovery of C5 and C6 sugars is achieved compared to the conventional process

No. of Pages : 17 No. of Claims : 29

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR ACCURATE AND LOW CONSUMPTION MEMS MICROPUMP ACTUATION AND DEVICE FOR CARRYING OUT SAID 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 | ¹ :PCT/IB2012/053847 :27/07/2012 | (71)Name of Applicant : 1)DEBIOTECH S.A. Address of Applicant :Av. de Svelin 28 CH 1004 Lausanne Switzerland (72)Name of Inventor : 1)CHAPPEL Eric |
|--|--|---|
| No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention describes the improvements due to alternated actuation cycles to reduce the delivery errors related to the pumping chamber elasticity the actuator relaxation or hysteresis. The method actuates a pumping device with an optimal driving voltage profile wherein the pumping device comprises a pumping chamber including a pumping membrane and a voltage controlled actuator connected to said membrane; the movement of said membrane being defined by three positions namely a rest a bottom and a top position. The method includes the actuation of the membrane with a pumping pattern including at least two different cycles : Cycle A : rest bottom rest top rest Cycle B : rest top rest bottom rest. The invention also relates to a device to carry out the method.

No. of Pages : 43 No. of Claims : 35

(19) INDIA

(22) Date of filing of Application :18/03/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : HIGH BLEED FLOW MUFFLING SYSTEM | | |
|---|-------------|--|
| (51) Internetional alera (Gastian | -D05D | |
| (51) International classification | :B05B | (71)Name of Applicant : |
| (31) Priority Document No | :13/448,470 | |
| (32) Priority Date | :17/04/2012 | Address of Applicant :1 RIVER ROAD, SCHENECTADY, |
| (33) Name of priority country | :U.S.A. | NEW YORK 12345, USA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)HAUGEN, CHRISTINA GRANGER MORRISSEY |
| (87) International Publication No | : NA | 2)POTOKAR, CHRISTOPHER JON |
| (61) Patent of Addition to Application Number | :NA | 3)KLASING, KEVIN SAMUEL |
| Filing Date | :NA | 4)PROCTOR, ROBERT |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

High bleed flow muffling systems are disclosed. Example muffling devices according to at least some aspects of the present disclosure may include a first orifice plate and a second orifice plate at least partially defining a plenum arranged to receive the flow of a compressible fluid. The first orifice plate and the second orifice plate may be arranged to produce cross-impinging flow such that flow through the orifices of the first orifice plate into the plenum is directed at the wall of the second orifice plate and such that flow through the orifices of the second orifice plate is directed at the wall of the first orifice plate and such that flow an inlet flow restrictor disposed upstream of the first and second orifice plates.

No. of Pages : 28 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :03/02/2014

| (54) Title of the invention : PROFILING | G 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 | :B26D3/02,B26B29/06,B :2011902912 :20/07/2011 :Australia :PCT/AU2012/000872 :20/07/2012 :WO 2013/010227 :NA :NA | (71)Name of Applicant : 1)MONCRIEFF Troy Address of Applicant :68/2898 Gold Coast Highway Surfers Paradise Queensland 4217 Australia (72)Name of Inventor : 1)MONCRIEFF Troy |

(57) Abstract :

A profiling device (100) is discussed the profiling device is adapted for mounting to a cutting implement such as an angle grinder (10) having body (11) head (12) blade (13) and guard (14). The profiling device (100) preferably includes an elongate member (101) which encapsulates a portion of the blade (13) and a shroud (102) which is secured to the head (12) end of the grinder (10). The elongate member (101) includes rails (1011 1012) which act as a cutting guide for the cutting implement to produce the desired profile to the work piece. Rails (1011 1012) are preferably disposed at a pre set angle to one another with the portion of the blade (13) accommodated therein.

No. of Pages : 29 No. of Claims : 23

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL ESTROGEN RECEPTOR LIGANDS

| (51) International classification (31) Priority 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 | :04/08/2011 :U.K. :PCT/EP2012/065134 :02/08/2012 :WO 2013/017654 | (71)Name of Applicant : 1)KARO BIO AB Address of Applicant :Novum S 141 57 Huddinge Sweden (72)Name of Inventor : 1)CHENG Aiping 2)GARG Neeraj 3)KRGER Lars 4)L-FSTEDT Joakim 5)KOCH Eva 6)KOEHLER Konrad 7)HAGBERG Lars 8)N-TEBERG Daniel |
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(57) Abstract :

Compounds of formula (I) or a pharmaceutically acceptable ester amide carbamate or salt thereof including a salt of such an ester amide or carbamate in which R to R have meanings as defined in the Specification are useful as estrogen receptor ligands.

No. of Pages : 154 No. of Claims : 26

(21) Application No.939/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61B17/11 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/506710 | 1)IRCAD |
| (32) Priority Date | :12/07/2011 | Address of Applicant :1 Place De 1hospital F 67091 |
| (33) Name of priority country | :U.S.A. | Strasbourg Cedex France |
| (86) International Application No | :PCT/US2012/046272 | (72)Name of Inventor : |
| Filing Date | :11/07/2012 | 1)HERNANDEZ Juan |
| (87) International Publication No | :WO 2013/009886 | 2)DIANA Michele |
| (61) Patent of Addition to Application | :NA | 3)WALL James Kennedy |
| Number | :NA | |
| Filing Date | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(54) Title of the invention : MODULAR MAGNETIC ANASTOMOSIS DEVICE

(57) Abstract :

The present disclosure provides modular magnetic anastomosis devices that can be implemented in digestive surgery or in any circumstance of anastomosis between adjacent organs or two hollow viscera. The device is minimally invasive and easily and quickly delivered using laparoscopic or endoscopic procedures.

No. of Pages : 17 No. of Claims : 38

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING RING-HALOGENATED N, N -DIALKYLBENZYL 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 Application Number Filing Date (62) Divisional to Application Number Filing Date | :C07C209/08 :11176506.1 :04/08/2011 :EPO :PCT/EP2012/064993 :01/08/2012 :WO 2013/017611 :NA :NA :NA :NA | (71)Name of Applicant : 1)LANXESS DEUTSCHLAND GMBH Address of Applicant :Kennedyplatz 1 50569 Kln Germany (72)Name of Inventor : 1)HARTWIG Jordan |
|---|---|--|
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(57) Abstract :

The invention relates to a method for producing ring halogenated N N dialkylbenzylamines and intermediates obtainable therefrom for producing agrochemicals and pharmaceutical active ingredients.

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

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBO | DDY FRAGMENT | |
|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :24/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO, K1A 0R6,CANADA. (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING 4-BROMO-N-(IMIDAZOLIDIN-2-YLIDENE)-1H-BENZIMIDAZOL-5-AMINE FOR TREATING RETINAL DISEASES

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :PCT/US2012/047777 :22/07/2012 :WO 2013/016252 :NA :NA :NA | (71)Name of Applicant : 1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California 92612 U.S.A. (72)Name of Inventor : 1)DIBAS Mohammed I. 2)DONELLO John E. 3)GIL Daniel W. 4)BURKE James A. |
|---|---|---|
| Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a method for treating retinal diseases and a method for retinal neuroprotection in a patient in need thereof which comprises of administering a therapeutically effective amount of a pharmaceutical composition comprising a therapeutically effective amount of 4-bromo-N- (imidazolidin-2-ylidene)-1H-benzimidazol-5-amine or pharmaceutically acceptable salts thereof.

No. of Pages : 18 No. of Claims : 10

(19) INDIA(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : WIDE SPAN STATIC 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 | :16/08/2012 | (71)Name of Applicant : 1)KING SOLOMON CREATIVE ENTERPRISES CORP. Address of Applicant :400 Island Avenue McKees Rocks Pennsylvania 15136 U.S.A. (72)Name of Inventor : 1)DAVIS Arnold A. 2)ABDEL SAYED George 3)LEE Kenneth F. 4)BONACCI Gary J. 5)HELGESON Matt 6)METROPOLIS Jeffrey P. 7)OSTROWSKI Phillip |
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|--|-------------|---|

(57) Abstract :

A building structure includes an upper chord element a lower chord element and web elements extending between the upper chord element and the lower chord element. The upper chord element forms part of an outer surface of a roof for the building structure.

No. of Pages : 49 No. of Claims : 36

(21) Application No.941/DELNP/2014 A

(22) Date of filing of Application :08/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : HOUSING FOR RECEIVING MOISTURE SENSITIVE OBJECTS

| (32) Priority Date (33) Name of priority country (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 | 11 082 757.9 /2011 any EP2012/065454 | 1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Wittelsbacherplatz 2 80333 M¼nchen Germany (72)Name of Inventor : 1)JANKOVIC Luka 2)SCHRAUD Joachim |
|--|---|---|
| 6 | | |

(57) Abstract :

The invention relates to a housing (1) comprising at least one discharge opening (7) in the housing base (6) for receiving moisture sensitive objects. The aim of the invention is to keep the interior of such a housing dry even in the presence of external moisture. This is achieved in that at least one Peltier element (12) is arranged on the housing (1) such that the cold side (14) of said element lies on the inside and the hot side (15) faces outwards.

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

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DISPERSING POLYMERS WITH IMPROVED THERMAL STABILITY

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :09/08/2012 | (71)Name of Applicant : 1)CHRYSO Address of Applicant :19 Place de la Rsistance F 92440 Issy les Moulineaux France (72)Name of Inventor : 1)DESSEROIR Alexandre 2)MAITRASSE Philippe 3)LEMAIRE Marc 4)POPOWYCZ Florence 5)LABOURT IBARRE Pierre |
|---|-------------|--|
|---|-------------|--|

(57) Abstract :

The invention relates mainly to a polymer comprising a hydrocarbon-based main chain bearing carboxylic groups and polyalkoxylated chains and up to 4% by weight of anti-oxidant groups, relative to the weight of the final polymer, grafted to the main chain. It also relates to a method for preparing such a polymer and to an admixture which is of use as a plasticizer of suspensions of mineral particles comprising same. Finally, it is related to the use of such a polymer for fluidifying suspensions of mineral particles and reducing the water demand of hydraulic compositions.

No. of Pages : 40 No. of Claims : 19

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : EFFICIENT TREATMENT OF WASTEWATER USING ELECTROCHEMICAL CELL

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :61/493841 :06/06/2011 :U.S.A. | (71)Name of Applicant : 1)AXINE WATER TECHNOLOGIES INC. Address of Applicant :Suite 210 2386 East Mall Vancouver V6T 1Z3 Canada (72)Name of Inventor : 1)LEGZDINS Colleen |
|---|--------------------------------------|--|
|---|--------------------------------------|--|

(57) Abstract :

An efficient method and system for the electrochemical treatment of waste water comprising organic and/or inorganic pollutants is disclosed. The system comprises an electrolytic cell comprising a solid polymer proton exchange membrane electrolyte operating without catholyte or other supporting electrolyte. The cell design and operating conditions chosen provide for significantly greater operating efficiency.

No. of Pages : 46 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :F24F7/06,B01D46/42 | (71)Name of Applicant : |
|--|---------------------|---|
| (31) Priority Document No | :2011166316 | 1)KOKEN LTD. |
| (32) Priority Date | :29/07/2011 | Address of Applicant :7 Yonban cho Chiyoda ku Tokyo |
| (33) Name of priority country | :Japan | 1028459 Japan |
| (86) International Application No | :PCT/JP2012/066032 | (72)Name of Inventor : |
| Filing Date | :22/06/2012 | 1)SUZUKI Taketo |
| (87) International Publication No | :WO 2013/018461 | 2)KAKINUMA Tomoyuki |
| (61) Patent of Addition to Application | :NA | 3)NITTA Kozo |
| Number | :NA | 4)FUJISHIRO Yuki |
| Filing Date | .NA | 5)FUKIURA Kazuma |
| (62) Divisional to Application Number | :NA | 6)SATO Takahiro |
| Filing Date | :NA | |
| | | l |

(54) Title of the invention : LOCAL AIR PURIFICATION DEVICE

(57) Abstract :

A local air cleaning apparatus (1) is provided with a push hood (2) having an air flow opening face (23) for blowing out a cleaned uniform air flow and a guide (3) 5 provided on a side of the push hood (2) having the air flow opening face (23), the guide (3) extending from the side thereof having the air flow opening face (23) toward a downstream side of the uniform air flow to form an opening face (31) at a downstream end portion thereof. The push hood (2) is arranged such that the uniform air flow blown out from the air flow opening face (23) passes through the inside of the guide (3) and then 10 collides with an air collision face (W) on a downstream side of the opening face (31). The opening face (31) of the guide (3) is spaced apart from and opposed to the air colhsion face (W) to form an open region between the opening face (3) and the air colhsion face (W). The cleaned uniform air flow blown out fix)m the air flow opening face (23) collides with the air collision face (W) and flows out of the opening region, 15 thereby allowing the inside of the guide (3) and the regions.

No. of Pages : 46 No. of Claims : 11

(21) Application No.940/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : METHOD F | OR DETECTING FLUID | INJECTION IN A PATIENT |
|--|--------------------|---|
| (54) The of the invention : METHOD IX (51) International classification (31) Priority Document No (32) Priority Date (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)TTAAS THOMMOS TRAINING & ASSESSMENT SYSTEMS PTY LTD Address of Applicant :PO Box 450 Warners Bay New South |

(57) Abstract :

A method for detecting fluid injection in a patient the method including the steps of providing a fluid storage tank; providing fluid for use in machinery and adding said fluid to the fluid storage tank; and providing a fluorescent dye and adding the fluorescent dye to the fluid such that the fluid fluoresces in the presence of ultraviolet light.

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

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONTINUOUS CASTING DEVICE FOR STEEL

| (51) International classification | :B22D11/04,B22D11/10,B22D11/11 | (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL |
|--|-----------------------------------|---|
| (31) Priority Document No | :NA | CORPORATION |
| (32) Priority Date | :NA | Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku |
| (33) Name of priority countr | y:NA | Tokyo 1008071 Japan |
| (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/JP2011/075868 :09/11/2011 | (72)Name of Inventor : 1)TOH Takehiko 2)NAKASHIMA Junji 3)MARUKI Yasuo 4)YAMASAKI Norimasa 5)TSUNENARI Keiji 6)UMETSU Kenji |

(57) Abstract :

A continuous casting apparatus for steel includes: a casting mold for casting a molten steel with a pair of long side walls and a pair of short side walls; a submerged entry nozzle which discharges the molten steel into the casting mold; and an electromagnetic stirring device which is disposed along each external surface of each of the long side walls and stirs an upper portion of the molten steel within the casting mold. A curved portion which is convexly curved toward the electromagnetic stirring device in , plan view is formed at least at a position where the curved portion faces the submerged entry nozzle on each of the long side walls, and each of the long side walls including the curved portion has a uniform thickness. The shortest horizontal distance between a top ; which is a most depressed position when an internal surface of the curved portion is seen in plan view and an outer peripheral surface of the submerged entry nozzle is 30 mm to 80 mm in a range from a lower end portion of the electromagnetic stirring device to a position higher than an upper end portion thereof by 50 mm when viewed along a vertical direction.

No. of Pages : 28 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : RECLINING APPARATUS | | |
|---|------------------|---|
| | | |
| (51) International classification | :B60N | (71)Name of Applicant : |
| (31) Priority Document No | :2012- 088433 | 1)SHIROKI CORPORATION Address of Applicant :2, KIRIHARA-CHO, FUJISAWA-SHI, |
| (32) Priority Date | :09/04/2012 | KANAGAWA, 252-0811, JAPAN |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)NORIAKI MAEDA |
| 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 reclining apparatus includes: a base plate; a ratchet plate including a recessed portion having a inner circumferential surface provided with internal teeth; a pole including an outer circumferential surface of the pole provided with external 4 teeth engageable with the internal teeth; and a guide, which is provided in the base plate to guide the pole between a locked position and an unlocked position, wherein the pole includes: a first cut external teeth part having a first tooth surface, in which a first side receiving a forward load is cut; and a second cut external teeth part having a second tooth surface, in which a second side receiving the rearward load is cut, and wherein a cutting degree of the first cut external teeth part is different from a cutting degree of the second cut external teeth part.

No. of Pages : 25 No. of Claims : 7

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : YARN TRAVELLING INFORMATION ACQUIRING DEVICE, YARN PROCESSING DEVICE, AND YARN TRAVELLING INFORMATION ACQUIRING 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 | :Japan :NA :NA : NA :NA | (71)Name of Applicant : 1)MURATA MACHINERY, LTD. Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326, JAPAN (72)Name of Inventor : 1)MINAMINO KATSUSHI |
|--|-------------------------------------|---|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A yarn travelling information acquiring device includes a first yarn unevenness detecting sensor (43) adapted to detect a thickness unevenness of a travelling yarn and to output first yarn thickness unevenness signals; a second yarn unevenness detecting sensor (44) 10 adapted to detect the thickness unevenness of the yarn and to output second yarn thickness unevenness signals; a similarity degree evaluating section (65) adapted to use a first imaginary frame and a second imaginary frame to select a plurality of positions of the first imaginary frame on a time axis of the second imaginary frame 15 within a second time range, and to evaluate a plurality of similarity degrees of the first varn thickness unevenness signals and the second varn thickness unevenness signals; and a travelling information acquiring section (67) adapted to acquire travelling information of the yarn in accordance with the similarity degree.

No. of Pages : 63 No. of Claims : 11

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : BINARY AND TERNARY BLENDS COMPRISING MONOVINYLARENE/CONJUGATED DIENE BLOCK COPOLYEMERS AND MONOVINYLARENE/ALKYL (METH)ACRYLATE COPOLYMERS

| (51) International classification | :F25J | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10/784,143 | 1)Chevron Phillips Chemical Company, LP |
| (32) Priority Date | :20/02/2004 | Address of Applicant :10001 Six Pines Drive, The Woodlands, |
| (33) Name of priority country | :U.S.A. | TX 77380, U.S.A. |
| (86) International Application No | :PCT/US2005/005438 | (72)Name of Inventor : |
| Filing Date | :18/02/2005 | 1)WILKEY, John, D. |
| (87) International Publication No | : NA | 2)STOUFFER, Carleton, E. |
| (61) Patent of Addition to Application | :NA | 3)RHODES, Vergil, H. |
| Number | :NA :NA | 4)CHAFFIN, Jay, M. |
| Filing Date | .INA | 5)BROWN, John, M. |
| (62) Divisional to Application Number | :5036/DELNP/2006 | 6)HARTSOCK, David |
| Filed on | :31/08/2006 | 7)KEANE, James, A. |

(57) Abstract :

We disclose compositions, comprising (i) from about 25 parts by weight to about 95 parts by weight of a monovinylarene-conjugated diene coupled block copolymer comprising at least one tapered block, having a blocky monovinylarene content of less than 90 wt% of total monovinylarene units, and comprising a terminal monovinylarene block having a molecular weight of less than 60,000 g/mol; and (ii) from about 5 parts by weight to about 75 parts by weight of a monovinylarene-alkyl (meth)acrylate copolymer, comprising (ii-a) monovinylarene units and (ii-b) either alkyl acrylate units, alkyl methacrylate units, or both. The compositions can be used in shrink film or rigid packaging applications.

No. of Pages : 38 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

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|--|--------------------|--|
| | | |
| (51) International classification | :F41A29/02 | (71)Name of Applicant : |
| (31) Priority Document No | :61/515653 | 1)THE OTIS PATENT TRUST |
| (32) Priority Date | :05/08/2011 | Address of Applicant : P.O. Box 582 Lyons Falls New York |
| (33) Name of priority country | :U.S.A. | 13368 U.S.A. |
| (86) International Application No | :PCT/US2012/049533 | (72)Name of Inventor : |
| Filing Date | :03/08/2012 | 1)WILLIAMS Nicholas |
| (87) International Publication No | :WO 2013/022754 | |
| (61) Patent of Addition to Application | .NT A | |
| Number | | |
| Filing Date | :NA | |
| 6 | :NA | |
| Filing Date | :NA | |
| Number Filing Date (62) Divisional to Application Number | | |

(54) Title of the invention : MODULAR FIREARM CLEANING KIT CASE

(57) Abstract :

A firearm cleaning kit includes a case comprising a first side and a second side joined along a fold line and a fastener for joining together the first and second side of the case. A tool holding insert is secured to an interior region of the case. The tool holding insert includes a plurality of tool cavities and a first firearm cleaning implement removably secured in one of the tool cavities. A module attachment element is affixed to an exterior portion of the case. The firearm cleaning kit further includes a modular kit case including a fastening element releasably secured to the module attachment element of the case. The modular kit case further includes a second firearm cleaning implement removably secured thereto.

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

(19) INDIA

(22) Date of filing of Application :15/03/2013

(54) Title of the invention : TEXTILE MACHINE AND METHOD FOR FEEDING FIBER STRANDS TO THE SAME

| (51) International classification | :D06B | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :10 2012 | 1)RIETER INGOLSTADT GMBH |
| (51) Thomy Document No | 102 692.0 | Address of Applicant :FRIEDRICH-EBERT-STRASSE 84, |
| (32) Priority Date | :29/03/2012 | 85055, INGOLSTADT, GERMANY |
| (33) Name of priority country | :Germany | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MICHAEL STROBEL |
| Filing Date | :NA | 2)CORINNA WIEDE |
| (87) International Publication No | : NA | 3)ARMIN BRUNNER |
| (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 method for feeding a plurality of fiber strands (2) into a textile machine (1), particularly a drawing frame, wherein the fiber strands (2) are pulled out from a plurality of feed containers (3) separately from each other and thus taken over by a guiding arrangement (4) and fed in a transport direction (T) of the textile machine (1), wherein the feed containers (3) are disposed in rows (5) adjacent to each other and substantially aligned in the transport direction (T), and wherein the fiber strands (2) are distributed among a first and at least one functionally identical second processing unit (7) of the textile machine (1). The invention proposes that a first part of the fiber strands (2) pulled out of said row (5) is fed into the second processing unit (7). The invention further relates to a textile machine, particularly a drawing frame, having a first processing unit (6) and at least one functionally identical second processing unit (6) and at least one functionally identical second processing unit (7). The invention further relates to a textile machine, particularly a drawing frame, having a first processing unit (6) and at least one functionally identical second processing unit (7) for separately processing a plurality of fiber strands (2), characterized in that said machine can be fed according to said method.

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

(21) Application No.913/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SWING ACTION DEVICE WITH LOCKING MEANS

(57) Abstract :

The invention relates to a swing-action device with locking means which is intended for a bicycle and has, on one side, a swing-action articulation and, on the other side, a locking mechanism which contains a locking group, which is connected in a rotatable manner to a supporting element (4b) and is braced against a curved clamping surface (5d) of a clamping element (5b) arranged on the opposite side, said clamping surface running eccentrically in relation to the axis of rotation of the locking group. Known swing-action devices of this kind have overly short clamping displacements, require additional central elevations and depressions for positioning the parts and/or are unstable or have low adjustment tolerances in the clamping connection. According to the invention, the extended axis of rotation of the locking group, in the locked state of the swing-action device, is located within the circle described by the radius of curvature of the clamping surface (5d), and this allows a large clamping displacement. An adjusting nut adjusts the pressure to which the clamping surface is subjected in the locked state by the locking group. A straightforward securing means keeps the locking group in the locked state. It is advantageous that the swing-action device can be produced cost-effectively from identical extruded profiles.

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

(21) Application No.945/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : LABELS SUBJECT TO CONDENSATION (51) International classification :G09F3/02,G09F3/10,A61J1/10 (71)Name of Applicant : (31) Priority Document No 1)AVERY DENNISON CORPORATION :61/513912 (32) Priority Date :01/08/2011 Address of Applicant :150 N. Orange Grove Blvd. Pasadena (33) Name of priority country :U.S.A. CA 91103 U.S.A. (72)Name of Inventor : (86) International Application No :PCT/US2012/049004 Filing Date :31/07/2012 **1)BENT Huig** (87) International Publication No :WO 2013/019799 (61) Patent of Addition to :NA Application Number :NA

(57) Abstract :

Number

Filing Date

Filing Date

(62) Divisional to Application

:NA

:NA

Label systems for cold environment use and application are described. The label systems comprise a first label assembly (5) adhered to an article subjected to cold temperatures and a second label assembly that is readily applied to the first label assembly and particularly when the first label assembly is at a relatively cold temperature. The label systems described are particularly well suited for labeling blood bags and other articles subjected to cold storage.

No. of Pages : 38 No. of Claims : 51

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ABNORMALITY MONITORING APPARATUS

| (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 (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 (62) Divisional to Application Number Filing Date (63) Date (64) Patent of Addition to (65) Divisional to (66) Date (7) Application Number Filing Date (7) Date (7) Application Number Filing Date (7) Date (7) Application Number Filing Date (7) Application Number Filing Date (7) Application Number Filing Date | ,G01N27/62,G08B25/00 | (71)Name of Applicant : 1)ATONARP INC. Address of Applicant :16 1 Tenjin cho Hachioji shi Tokyo 1920074 Japan (72)Name of Inventor : 1)SATO Tomoyoshi |
|---|----------------------|--|
|---|----------------------|--|

(57) Abstract :

Provided is an abnormality monitoring apparatus that monitors abnormalities of a system having a plurality of components or products. The components or products include a plurality of kinds of microcapsules that respectively discharge a plurality of chemical marker substances due to specific factors said chemical marker substances having different ion mobilities. The monitoring apparatus has an ion mobility sensor that detects the chemical marker substances. Occurrence of the abnormalities kinds of the abnormalities area where the abnormalities occurred and degree of the abnormalities can be identified by having the monitoring apparatus detect the chemical marker substances.

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

(22) Date of filing of Application :04/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR PRODUCING TETRAZOLE SUBSTITUTED ANTHRANILIC ACID DIAMIDE DERIVATIVES BY REACTING BENZOXAZINONES WITH AMINES

| (51) International classification | :C07D401/14,C07D405/14 | (71)Name of Applicant : |
|--|------------------------|---|
| (31) Priority Document No | :11179028.3 | 1)BAYER INTELLECTUAL PROPERTY GMBH |
| (32) Priority Date | :26/08/2011 | Address of Applicant : Alfred Nobel Str. 10 40789 Monheim |
| (33) Name of priority country | :EPO | Germany |
| (86) International Application No | :PCT/EP2012/066477 | (72)Name of Inventor : |
| Filing Date | :24/08/2012 | 1)PAZENOK Sergii |
| (87) International Publication No | :WO 2013/030100 | 2)LINDNER Werner |
| (61) Patent of Addition to Application | :NA | 3)SCHEFFEL Hartmut |
| Number | :NA :NA | |
| Filing Date | .NA | |
| (62) Divisional to Application Number | r :NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention relates to a method for producing tetrazole substituted anthranilic acid diamide derivatives of formula (I) in which R R R R Q and Z have the meanings specified in the description by reacting bezoxazinones with amines.

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

(21) Application No.916/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61H15/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :TO2011A000623 | 1)CIZETA MEDICALI S.p.A. |
| (32) Priority Date | :14/07/2011 | Address of Applicant : Via IV Novembre 46 I 20012 |
| (33) Name of priority country | :Italy | CUGGIONO (Milano) Italy |
| (86) International Application No | :PCT/IB2012/053594 | (72)Name of Inventor : |
| Filing Date | :13/07/2012 | 1)CALDIROLA Rinaldo |
| (87) International Publication No | :WO 2013/008210 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA | |
| Filing Date | .111 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (| | 1 |

(54) Title of the invention : ROLLER DEVICE FOR LYMPHATIC DRAINAGE TREATMENTS

(57) Abstract :

A roller device for lymphatic drainage treatments comprising a handle (2) a rod (4) having one end connected to the handle (2) and a roller (6) rotatably mounted at the other end of the rod characterized in that the rod (4) is retractably mounted with respect to the handle being movable between an extended position and a retracted position against the action of elastic means (14) for maintaining the rod in the extended position in such a manner that a pressure increase exerted on the roller causes the retraction of the rod. The device preferably comprises signal means which supply a signal indicative of the level of pressure exerted on the roller and preferably enable its display.

No. of Pages : 17 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MATERIAL FOR ELECTRIC DOUBLE LAYER CAPACITOR

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :H01G9/058,H01G9/038 :2011153175 :11/07/2011 :Japan :PCT/JP2012/060708 :20/04/2012 :WO 2013/008510 :NA :NA :NA :NA | (71)Name of Applicant : 1)IHI CORPORATION Address of Applicant :1 1 Toyosu 3 chome Koto ku Tokyo 1358710 Japan (72)Name of Inventor : 1)EGUCHI Haruki |
|---|--|--|
|---|--|--|

(57) Abstract :

Provided is a material for constituting an electric double layer capacitor that is stable at high temperatures and affords high electrical capacitance. The material for an electric double layer capacitor is used as the material constituting a solid electrolyte (13,17) of an electric double layer capacitor (1) and comprises a metal salen complex compound.

No. of Pages : 45 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :10/02/2014

(54) Title of the invention : ANTIBACTERIAL AND ANTIFUNGAL PROTECTION FOR TONER IMAGE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Date (35) International Application No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application NA (NA Filing Date (NA NA Filing Date | Address of Applicant :343 State Street Rochester NY 14650 2201 U.S.A. (72)Name of Inventor : 1)BL ANTON Themes Nelson |
|---|--|
|---|--|

(57) Abstract :

A method of forming a clear toner overcoat or a colored toner image on a substrate is disclosed. The overcoat or colored image provides antibacterial and antifungal protection. The method includes providing a source of toner having a mixture of polymer agent and a silver salt biocide including a silver sulfate biocide having a concentration range of 0.0005 to 10 weight% applying the clear toner or colored toner in an imagewise fashion to a substrate and fixing the clear or colored toner to the substrate whereby an effective coating or image is formed that provides antibacterial and antifungal protection.

No. of Pages : 40 No. of Claims : 29

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CROSSLINKED HUMAN OR ANIMAL TISSUE PRODUCTS AND THEIR METHODS OF MANUFACTURE 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 | :A61L27/24,A61L27/36 :61/512801 :28/07/2011 :U.S.A. :PCT/US2012/048392 :26/07/2012 :WO 2013/016571 :NA :NA | (71)Name of Applicant : 1)HARBOR MEDTECH INC. Address of Applicant :4 Jenner Suite 190 Irvine CA 92618 U.S.A. (72)Name of Inventor : 1)MEZGER W. Jerry 2)MYERS Keith E. |
|---|--|--|
| Number | | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Degradable bioprostheses made of collagen based material having amine based and ester based crosslinks are provided as are methods for their formation and use. Some embodiments of the present invention are directed towards a method of controlling the ratio of amine based crosslinks to ester based crosslinks within a collagen based material to provide a tailorably crosslinked collagen based material. Some embodiments provide a method of making a degradable bioprosthesis involving controlling crosslinking to afford a degradable bioprosthesis that is partially crosslinked. By controlling the ratio of amine based to ester based crosslinks by controlling the level of crosslinking or by controlling both of these features degradable bioprostheses with tailored degradation rates can be synthesized. Some embodiments of degradable bioprostheses have degradation rates that are tailored to allow their use in particular medical applications. Some embodiments are directed towards methods of use degradable bioprostheses in wound healing tissue repair and tissue supplementation.

No. of Pages : 47 No. of Claims : 57

(19) INDIA

(22) Date of filing of Application :30/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SHOCK ABSORBING MEMBER (51) International classification :F16F7/12,B62D21/15,B62D25/20 (71)Name of Applicant : **1)NIPPON STEEL & SUMITOMO METAL** (31) Priority Document No :2011174201 (32) Priority Date :09/08/2011 **CORPORATION** (33) Name of priority country Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku :Japan (86) International Application Tokyo 1008071 Japan :PCT/JP2012/070092 (72)Name of Inventor : No :07/08/2012 1)HIROSE Satoshi Filing Date (87) International Publication :WO 2013/021996 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A hollow columnar shock absorbing member (1) having an axis line (O) a plurality of rectangular walls (1a 1b 1c 1d) extending parallel to the axis line and a polygonal cross section perpendicular to the axis line (O) said shock absorbing member (1) extending in the direction of the axis line (O) and absorbing externally applied impact energy while buckling in the direction of the axis line (O). The shock absorbing member (1) is provided with at least two flanges (2a 2b 2c 2d) protruding from at least two edges (1e 1f 1g 1h) formed by at least two sets of adjacent walls from the plurality of walls and these flanges are arranged so that the direction of protrusion from the edges faces the same direction in the circumferential direction.

No. of Pages : 57 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS FOR AIRCRAFT DUAL CHANNEL DISPLAY

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :G09G :1206654.4 :16/04/2012 :U.K. :NA | GLOUCESTERSHIRE, GL52 8SF (GB) U.K. (72)Name of Inventor : |
|--|--|---|
| Filing Date (87) International Publication No | :NA : NA | 1)BUSHELL, MARK ANTHONY 2)EDDY, BRETT ALLEN |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

An aircraft cockpit display (22) includes among other things a display panel (24) having a pixel matrix, a backlight (40) for illuminating the matrix, a first video channel (42) having a row driver (55) and a column driver (50) for driving a first portion of the pixels (25), and a second video channel (44) having a row driver (72) and a column driver (70) for driving a second portion of the pixels (25).

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

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : WINDING CARRIER FOR USE IN AN ELECTRICAL MACHINE AND WINDING ARRANGEMENT

| (51) International classification | :H02K3/34,H02K3/52 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :10 2011 081 030.7 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :16/08/2011 | Address of Applicant : Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/061818 | (72)Name of Inventor : |
| Filing Date | :20/06/2012 | 1)EWERT Andreas |
| (87) International Publication No | :WO 2013/023820 | 2)NOMMENSEN Bjoern |
| (61) Patent of Addition to Application | :NA | 3)LEITZ Lukas |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
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(57) Abstract :

The invention relates to a winding carrier (1) for the defined application of a coil winding comprising: a winding section (2) for placing onto a cylindrical tooth component; a groove structure (3) which is arranged in at least one region of the winding section and extends transversely to the winding axis in order to receive a winding wire; wherein the groove structure (3) has a cross section having two mutually opposite preferably flat side faces (7) which taper in the direction of a bottom face (6) of the groove structure (3).

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

(21) Application No.918/DELNP/2014 A

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : LEAD-FREE CABLE CONTAINING BISMUTH 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 | h :H01B3/30,H01B3/10,H01B17/62 :61/521975 :10/08/2011 :U.S.A. :PCT/US2012/050248 :10/08/2012 :WO 2013/023118 :NA :NA :NA | (71)Name of Applicant : 1)GENERAL CABLE TECHNOLOGIES CORPORATION Address of Applicant :4 Tesseneer Drive Highland Heights Kentucky 41076 9753 U.S.A. (72)Name of Inventor : 1)SARKAR Amalendu 2)GERRETSEN Sarah |
|--|---|---|
|--|---|---|

(57) Abstract :

The invention relates to cover (insulation or jacket) compositions for wires or cables having a base polymer and a bismuth compound. The composition contains no significant amount of lead and no added fire retardant.

No. of Pages : 42 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : GAS EXHAUST FILTER DEVICE FOR A BIOREACTOR (51) International classification :C12M3/06,C12N5/02 (71)Name of Applicant : (31) Priority Document No :11507902 1)GE HEALTHCARE BIO SCIENCES AB (32) Priority Date :31/08/2011 Address of Applicant :Patent Department Bjrkgatan 30 S 751 (33) Name of priority country 84 Uppsala Sweden :Sweden :PCT/SE2012/050912 (72)Name of Inventor : (86) International Application No 1)ERIKSSON Henrik K. Filing Date :29/08/2012 (87) International Publication No :WO 2013/032392 2)FRICKING Patric (61) Patent of Addition to Application 3)CARLSSON L. Johan :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A gas exhaust filter device for a bioreactor with reduced blockage by condensed liquid is disclosed which comprises a housing with a filter medium a gas inlet and a gas outlet and also further comprises a plurality of ribs extending from at least one inner wall of the housing in a region between the gas inlet and the filter medium.

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

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : FILAMENT FIBER WINDING APPARATUS AND WINDING 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/CN2011/077204 :15/07/2011 :WO 2013/010306 :NA :NA | (71)Name of Applicant : 1)ZHENGZHOU ZHONGYUAN SPANDEX ENGINEERING TECHNOLOGY CO. LTD. Address of Applicant :No.25 Jinsuo Road High tech Development Zone Zhengzhou Henan 450001 China (72)Name of Inventor : 1)ZHANG Yunqi 2)ZHU Pengfei 3)LIU Mingqi 4)ZHANG Jianbo |
|---|---|--|
|---|---|--|

(57) Abstract :

Disclosed are a filament fiber winding apparatus and a winding method. The winding apparatus comprises: a left winding system (20A) and a right winding system (20B) arranged adjacently and symmetrically on a winding framework (1), a traverse apparatus (21), a sliding box (12), and a pressure equalizer apparatus (25). The pressure equalizer apparatus respectively adjusts the maximum pressure between a left and a right contact rollers (6A and 6B) and bobbin spindles (2A and 2B), thereby allowing the left contact roller (6A) and the right contact roller (6B) to remain with a constant maximum pressure on the circumference of the reels (18 A and 18B) of the bobbin spindles (2A and 2B). Also provided are two methods for restoring the distance between the contact rollers (6A and 6B) and a traverse roller (4) and for keeping constant the maximum pressure. The winding apparatus and the winding method allow for acquisition of consistent rolls.

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

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :A61F5/445 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :PA 2011 70479 | 1)COLOPLAST A/S |
| (32) Priority Date | :29/08/2011 | Address of Applicant :Holtedam 1 DK 3050 Humlebaek |
| (33) Name of priority country | :Denmark | Denmark |
| (86) International Application No | :PCT/DK2012/050315 | (72)Name of Inventor : |
| Filing Date | :28/08/2012 | 1)EDVARDSEN Henrik |
| (87) International Publication No | :WO 2013/029623 | 2)STROEBECH Esben |
| (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 : OSTOMY BASE PLATE HAVING DISCREET PULLING TAB

(57) Abstract :

The current invention relates to a base plate (1) for use with an ostomy device wherein the base plate has a pulling tab that is folded back so that provides a discrete pulling tab with a reduced risk of getting caught in clothes.

No. of Pages : 10 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B32B27/18,E04B1/94 :2011166617 :29/07/2011 :Japan :PCT/JP2012/069104 :27/07/2012 :WO 2013/018676 :NA :NA :NA | (71)Name of Applicant : 1)F CONSULTANT CO. LTD. Address of Applicant :5 31 Nakahozumi 3 chome Ibaraki shi Osaka 5670034 Japan (72)Name of Inventor : 1)TANAKA Yasunori |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(54) Title of the invention : LAMINATE

(57) Abstract :

The present invention provides a novel laminate (heat resistant protective material) using a thermally expandable material which is reduced in weight without deteriorating thinness at the initial stage thermal expandability and protection performance against heat. The present invention specifically provides a thermally expandable laminate which is characterized in that: (1) the laminate is obtained by laminating at least a thermal expansion layer (A) and a thermal expansion layer (B); (2) the thermal expansion layer (A) contains a binder a flame retardant a foaming agent and a carbonization agent and in cases where the thermal expansion layer (A) additionally contains an inorganic light weight powder (A) the content of the inorganic light weight powder (A) in the thermal expansion layer (A) is less than 5% by volume; (3) the thermal expansion layer (B) contains a binder a flame retardant a foaming agent a carbonization agent and an inorganic light weight powder (B) and the content of the inorganic light weight powder (B) in the thermal expansion layer (B) is 5 70% by volume; and (4) the inorganic light weight powder (A) and the inorganic light weight powder (B) have a bulk density of 0.1 2.0 g/cm.

No. of Pages : 23 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBO | DDY FRAGMENT | |
|--|--|---|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :24/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO K1A, CANADA (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL FXR (NR1H4) BINDING AND ACTIVITY MODULATING 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 N (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :A61P1/16,A61P3/10,A61P35/00 :11005722.1 :13/07/2011 :EPO :PCT/EP2012/002941 :12/07/2012 No:WO 2013/007387 :NA :NA :NA | (71)Name of Applicant : 1)PHENEX PHARMACEUTICALS AG Address of Applicant :Donnersbergweg 1 67059 Ludwigshafen Germany (72)Name of Inventor : 1)KINZEL Olaf 2)STEENECK Christoph 3)KREMOSER Claus |
|--|---|---|
|--|---|---|

(57) Abstract :

The present invention relates to compounds which bind to the NR1H4 receptor (FXR) and act as agonists of FXR. The invention further relates to the use of the compounds for the preparation of a medicament for the treatment of diseases and/or conditions through binding of said nuclear receptor by said compounds and to a process for the synthesis of said compounds (1). Z is selected from (a) (b) (c) or (d).

No. of Pages : 54 No. of Claims : 14

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTROMAGNETICALLY CONTROLLED INJECTOR HAVING FLUX BRIDGE AND FLUX BREAK

| (31) Priority Document No:13/2(32) Priority Date:30/0(33) Name of priority country:U.S.(86) International Application No:PCTFiling Date:28/0 | T/US2012/052597 Illinois 60045 U.S.A. (08/2012 (72)Name of Inventor : 0 2013/033056 1)THOMAS Stephen M. 2)ROESSLE Matthew L. 3)SIMPSON Rick 4)GRANT Eric |
|--|---|
|--|---|

(57) Abstract :

An injector for injecting a reagent includes an axially translatable valve member positioned within a housing. An electromagnet is positioned within the housing and includes a cylindrically shaped coil of wire. The valve member moves between a seated position and an unseated position in response to 131energizing the electromagnet. A flux sleeve passes through the coil and includes two magnetic portions interconnected by a non magnetic portion. Each of the magnetic portions is aligned with transverse planes defined by the ends of the cylindrical coil. The non magnetic portion is axially positioned between the transverse planes.

No. of Pages : 20 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :07/02/2014

(54) Title of the invention : PRESSING DEVICE

(43) Publication Date : 30/01/2015

| (51) International classification | :B25B27/10,B21D39/04 | (71)Name of Applicant : |
|--|----------------------|---|
| (31) Priority Document No | :10 2011 052 852.0 | 1)GUSTAV KLAUKE GMBH |
| (32) Priority Date | :19/08/2011 | Address of Applicant : Auf dem Knapp 46 42855 Remscheid |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/065244 | (72)Name of Inventor : |
| Filing Date | :03/08/2012 | 1)FRENKEN Egbert |
| (87) International Publication No | :WO 2013/026681 | |
| (61) Patent of Addition to Application | :NA | |
| Number | :NA :NA | |
| Filing Date | .11/2 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention relates to a chain-like pressing device (1) for press-joining a tubular or hose-shaped workpiece with a fitting and/or a pressing sleeve, having inner pressing links (6) and outer pressing links (2, 3, 4, 5), wherein the inner surface regions of an outer pressing link (2, 3, 4, 5) extend in a straight line and are at an angle with respect to one another of less than 180°, furthermore the outer pressing links (2, 3, 4, 5) form an outer assembly, in addition each inner pressing link can be acted upon in its outer surface region (9, 10) by two inner surface regions (7, 8) of an . outer pressing links (2, 3, 4, 5) and the inner assembly is arranged within the outer assembly and at least some of the inner pressing links (6) and outer pressing links (2, 3, 4, 5) are movable in relation to one another in the circumferential direction.

No. of Pages : 35 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :C01B39/48 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :61/535632 | 1)EXXONMOBIL CHEMICAL PATENTS INC. |
| (32) Priority Date | :16/09/2011 | Address of Applicant : A Corporation Of The State Of |
| (33) Name of priority country | :U.S.A. | Delaware 5200 Bayway Drive Baytown TX 77520 U.S.A. |
| (86) International Application No | :PCT/US2012/052334 | (72)Name of Inventor : |
| Filing Date | :24/08/2012 | 1)VINCENT Matthew J. |
| (87) International Publication No | :WO 2013/039673 | 2)HELTON Terry E. |
| (61) Patent of Addition to Application | :NA | 3)JOHNSON Ivy D. |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(54) Title of the invention : IMPROVED LIQUID PHASE ALKYLATION PROCESS

(57) Abstract :

The present invention provides a process for producing a monoalkylated aromatic compound comprising the step of contacting an alkylatable aromatic compound with an alkylating agent in the presence of a catalyst composition under effective alkylation conditions said catalyst composition comprising MCM 56 crystals produced by a seeded synthesis method and a binder such that the crystal/binder weight ratio in the catalyst composition is from above 20/80 to about 80/20.

No. of Pages : 44 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

REPLICATED CONTENTS IN A CLIENT/SERVER SYSTEM (51) International classification :G06F17/30 (71)Name of Applicant : (31) Priority Document No :11306011.5 1)AMADEUS S.A.S. (32) Priority Date Address of Applicant :485 route du Pin Montard SOPHIA :03/08/2011 (33) Name of priority country ANTIPOLIS F 06410 Biot France :EPO (86) International Application No :PCT/EP2012/064966 (72)Name of Inventor : Filing Date :31/07/2012 **1)TOUFFAIT Guillaume** (87) International Publication No :WO 2013/017599 2)AMAR Virginie (61) Patent of Addition to Application **3)LAFONT Caroline** :NA Number 4) **DEFAYET** Christophe :NA Filing Date 5)COLLENDAVELLOO Yan (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : METHOD AND SYSTEM TO MAINTAIN STRONG CONSISTENCY OF DISTRIBUTED

(57) Abstract :

A method and a system for maintaining consistency of replicated files distributed over a plurality of independent processing slave nodes (210,210,210) part of an application tier of a multi tier client/server data processing system are described. The replicated files are distributed from a master node of a master tier. Upon reception of an update request (142) to update a master database a new version of a replicated file is first generated and stored in a shared file system (160). Then a notification of availability of the new version is forwarded to a synchronizing slave node and from there broadcasted to all slave nodes (210,210,210). Each slave node preloads the new version (150) of the replicated file from the shared file system (160) and acknowledges successful completion. Upon reception of all acknowledgments in the synchronization slave node a notification of preloading achievement is forwarded to the master server (1,12) which updates the master database thus committing the use of the new version by the data processing system. The commitment is further forwarded to the synchronizing slave node which commits in turn the use of the new version (150) of the replicated file in a slave database aimed at keeping track of all replicated file versions for all slave nodes (210,210,210). Upon reception of a notification of commitment of all slave nodes (210,210,210) the master server (112) acknowledges completion of the update in response to the received update request (142).

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

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : RETAINING BODY FOR FLEXIBLE GRINDING MEANS GRINDING SYSTEM AND GRINDING TOOL

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :B24D9/08,B24D9/10,B24B55/10 :10 2011 083 032.4 :20/09/2011 :Germany | (71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany |
|--|---|--|
| (86) International Application No Filing Date (87) International Publication No | :PCT/EP2012/064874 :30/07/2012 :WO 2013/041277 | (72)Name of Inventor : 1)CHRISTEN Stefan 2)SCHNYDER Juerg 3)MATHYS Thomas |
| (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 retaining body (300, 300a) for a grinding means (400), in 5 particular, a grinding wheel (220), comprising a fixing layer (302) with a fixing surface (305), which has a fixing means (306), for fixing a flexible grinding means (400) and comprising a support body (301) with a support surface (303), which supports a fixing layer (302) retaining surface (304) that lies opposite the fixing surface (305) in particular, said support surface being connected to the retaining surface in particular. The support body (301) is air- and dust- 10 permeable, said support body consisting of an air- and dust-permeable material (312) in particular. The fixing layer (302) is designed such that the fixing surface (305) is substantially air- and dust-permeable in a direction (308) that runs substantially perpendicular to the fixing surface (305), in particular, such that an air flow (31) can pass from the fixing surface (305) through the fixing layer (302) in a substantially perpendicular manner relative to the fixing 15 surface (305).

No. of Pages : 26 No. of Claims : 18

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR CONTROLLING AN IONIZATION DEVICE IN AN EXHAUST GAS POST TREATMENT DEVICE

| (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :20/07/2012 | (71)Name of Applicant : EMITEC GESELLSCHAFT FR EMISSIONSTECHNOLOGIE MBH Address of Applicant :Hauptstrae 128 53797 Lohmar Germany (72)Name of Inventor : HODGSON Jan VORSMANN Christian |
|---|-------------|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The invention relates to a method for controlling an ionization device (1) in an exhaust gas post treatment device (2) of an internal combustion engine (3) comprising at least one cathode (4) and an anode (5). The at least one cathode (4) is arranged at a distance (6) from the anode (5) in the exhaust gas post treatment device (2). The method has at least the following steps: applying a high voltage between the at least one cathode (4) and the anode (5) specifying a first value (7) for the high voltage detecting a current generated by the high voltage between the at least one cathode (4) and the anode (5) and specifying a second value (8) for the high voltage if the detected current exceeds a specifiable first current strength (9) a specifiable number of times.

No. of Pages : 28 No. of Claims : 12

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : BRANCHED POLYESTER POLYMERS COMPRISING ISOPHTHALIC ACID AND COATINGS COMPRISING THE 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 | :04/08/2011 :U.S.A. :PCT/US2012/049107 :01/08/2012 :WO 2013/019832 :NA :NA | (71)Name of Applicant : PPG INDUSTRIES OHIO INC. Address of Applicant :3800 West 143rd Street Cleveland Ohio 44111 U.S.A. (72)Name of Inventor : MAUER III George W. SINGER Debra L. DONALDSON Susan F. SCHWENDEMAN John E. FURAR John M. MILLERO Jr. Edward R. FITZGERALD Lawrence J. SWARUP Shanti TUCKER Mark A. DAU Thi Bach Phuong |
|--|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | 10)DAU Thi Bach Phuong 11)CHASSER Anthony M. |

(57) Abstract :

A branched polyester prepared as the reaction product of a polyacid comprising at least 90 mole % isophthalic acid including its ester and/or anhydride and a polyol comprising a tri or higher functional polyol is disclosed. Coatings comprising the same.

No. of Pages : 31 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS AND METHOD FOR CONTROLLING A TOUCHSCREEN DISPLAY FOR ONE HAND 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 Filing Date (62) Divisional to Application Number Filing Date | :A61B :201310153827.1 :27/04/2013 :China :PCT/CN2013/076421 :29/05/2013 :WO 2013/189233 :NA :NA :NA :NA | (71)Name of Applicant : 1)SPREADTRUM COMMUNICATIONS (SHANGHAI) CO. LTD. Address of Applicant :Building No.1 Spreadtrum Center Lane 2288 Zuchongzhi Road Zhangjiang High tech Park Pudong New Area Shanghai 201203 China (72)Name of Inventor : 1)XIA Lu 2)YIN Linna |
|---|---|---|
|---|---|---|

(57) Abstract :

A method for controlling a touchscreen display for operation by one hand includes: receiving via the touchscreen at least one point of contact on the touchscreen generated by one or more fingers of a user the touchscreen including a plurality of icons; detecting by at least one processing device a total number of the points of contact on the touchscreen and respective coordinates of the points of contact; determining based on the total number of the points of contact and the respective coordinates of the points of contact which hand the user is using to operate the touchscreen; and controlling the touchscreen to display the plurality of icons based on a result of the determining.

No. of Pages : 27 No. of Claims : 20

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : HEAT-CONDUCTING DEVICE FOR AN ABSORBER AND METHOD FOR THE PRODUCTION THEREOF

| (51) International classification | :F24J2/20,F24J2/46,B29C49/42 | (71)Name of Applicant : |
|-----------------------------------|------------------------------|--|
| (31) Priority Document No | :10 2011 114 053.4 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :22/09/2011 | Address of Applicant : Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/068726 | (72)Name of Inventor : |
| Filing Date | :24/09/2012 | 1)CLEMENT Uwe |
| (87) International Publication No | :WO 2013/041714 | 2)VIETEN Martin |
| (61) Patent of Addition to | :NA | |
| Application Number | :NA | |
| Filing Date | .1 1/ 1 | |
| (62) Divisional to Application | :NA | |
| Number | :NA | |
| Filing Date | .1 1/ 1 | |

(57) Abstract :

The invention relates to a heat-conducting device (10) for accommodating a heat-transfer medium for a planar absorber of a solar thermal collector, comprising a first header (11) for feeding the heat-transfer medium and a second header (12) for removing the heat-transfer medium, wherein the headers (11, 12) each have at least one lateral opening (16), by means of which said headers are connected to a cavity (13), wherein the cavity (13) is formed in a onepiece plastic body (14), and wherein the two headers (11, 12) are enclosed in the plastic body (14). The invention further relates to a method for producing such a heat-conducting device (10).

No. of Pages : 14 No. of Claims : 13

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPLETELY DISPOSABLE COOKING APPARATUS FOR FILLING AND DECORATING OF FOODS

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B65D35/00 :13/184021 :15/07/2011 :U.S.A. :PCT/US2012/046393 :12/07/2012 :WO 2013/012660 :NA :NA :NA :NA | (71)Name of Applicant : 1)GRIMES Brenda Marie Address of Applicant :19856 Markward Crossing Estero FL 33982 U.S.A. 2)GRIMES Charles Wilson (72)Name of Inventor : 1)GRIMES Brenda Marie 2)GRIMES Charles Wilson |
|---|--|--|
|---|--|--|

(57) Abstract :

A completely disposable cooking apparatus used for preparing filling assembling and decorating of foods that is a one piece disposable construction comprising an elongated bag with a soft side wall an open first end through which food material can be inserted into the bag and a second end that is closed by a tapered discharge orifice. The orifice has a first end in contact with the second end of the bag and a distal end away from the bag. The cross sectional area of the orifice at the first end is greater than the cross sectional area of the orifice at the distal end. For example the bag can be made from 0.1mm thick polyethylene and the orifice can be made from 1.02 mm thick ethylene vinyl acetate and the second end of the bag can be overlaid and welded to the first end of the orifice.

No. of Pages : 44 No. of Claims : 34

(22) Date of filing of Application :01/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTRICITY FREE WATER PURIFICATION INSTALLATION WITH A MEMBRANE FILTER AND A SYSTEM OF AUTOMATIC BACKWASHING OF THE FILTER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :1038928 :06/07/2011 :Netherlands :PCT/NL2012/000044 :05/07/2012 :WO 2013/006036 :NA :NA | (71)Name of Applicant : 1)VAN OPDORP Robertus Martinus Address of Applicant :Lisdoddelaan 80 NL 1087 KA Amsterdam Netherlands (72)Name of Inventor : 1)VAN OPDORP Robertus Martinus |
|---|---|--|
| | :NA :NA :NA | |

(57) Abstract :

Electricity free operating water purification installation with a membrane filter and a system of automatic backwashing of that filter characterised in that during the operation a fixed percentage is diversed from the outflow of filtered water and is stored in a container under progressive pressure which to a certain maximum pressure is cut of from a feedback to the membrane filter so that consequently after filtration of a certain volume of polluted water through the membrane filter the pressure in the container will exceed the maximum resistible pressure by the one way closure which then will open so that the contents of the container will be forced back through the membrane filter under higher pressure than the original filtration pressure whereby is provided in automatic closure after the container is emptied.

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

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR ADJUSTING THE QUALITY FACTOR OF AN INDUCTION HEATING SYSTEM IN PARTICULAR A MOLD WITH SELF CONTAINED HEATING

| (31) Priority Document No (32) Priority Date (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 | :1157289 :10/08/2011 :France | (71)Name of Applicant : ROCTOOL Address of Applicant :Savoie Technolac F 73370 Le Bourget du Lac France (72)Name of Inventor : GUICHARD Alexandre 2)FEIGENBLUM Jos |
|--|------------------------------------|--|
|--|------------------------------------|--|

(57) Abstract :

The invention relates to a mold (200) comprising a self-contained heating device, said mold comprising: a a mold body (210, 220) comprising an induction heating circuit, referred to as an tooling circuit, having a resistance R1 and an inductance L1, said tooling circuit including an inductor (215, 225) extending inside a closed cavity of the mold body; b. connection means (250) for connecting the tooling circuit to a high-frequency current generator; c. characterized in that it includes a so-called adjustment coil (240), having a resistance R2 and an inductance L2 that does not induce current in the mold body and is connected to the tooling circuit, between said tooling circuit and the connection means (250).

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

(19) INDIA

(22) Date of filing of Application :10/02/2014

(54) Title of the invention : HEAT EXCHANGER

(43) Publication Date : 30/01/2015

| (51) International classification | :F24H7/04,F24H9/18 | (71)Name of Applicant : |
|--|--------------------|--|
| (31) Priority Document No | :1101001578 | 1)TOWIWAT Dhiti |
| (32) Priority Date | :17/08/2011 | Address of Applicant :163/71 Phahonyothin 32 Khwaeng Lat |
| (33) Name of priority country | :Thailand | Yao Khet Chatuchak Bangkok 10900 Thailand |
| (86) International Application No | :PCT/TH2012/000035 | (72)Name of Inventor : |
| Filing Date | :16/08/2012 | 1)TOWIWAT Dhiti |
| (87) International Publication No | :WO 2013/025178 | |
| (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 DISCLOSES AN APPARATUS FOR SUSTAINING AND RELEASING HEAT FOR BOILERS AS PER THE PREFERRED EMBODIMENT SHOWN IN FIGURE 1. THE APPARATUS IS PREFERABLY PROVIDED IN A CYLINDRICAL FORM HAVING AT LEAST ONE OPEN END. THE APPARATUS COMPRISES A FRAME WHICH CAN SUPPORT THE INSTALLATION OF HEAT SUSTAINING MATERIALS, MANUFACTURED FROM HEAT RESISTANT MATERIALS. IT IS ALSO PREFERABLE TO HAVE AT LEAST 2 COLUMNS OF BASES EXTENDED ALONG THE SIDE OF THE FRAME FOR SUPPORTING THE INSTALLMENT. HEAT SUSTAINING MATERIALS ARE INSTALLED ON THE SURFACE OF THE FRAME, THE SAID MATERIALS ARE PROVIDED IN THE FORM OF SQUARE OR CURVED PLATE, WHICH FORMS A SQUARE, POLYGONAL OR CYLINDRICAL SHAPED FRAME. THE PLATES MUST HAVE AT LEAST ONE PORE, AND MUST BE PUNCHED TO ALLOW PASSAGE OF AIR O FOR VENTILATION OF AIR AND HEAT. THE SIZE OF PORES IS VARIED DEPENDING ON TYPE OF FUEL BEING USED. THE HEAT EXCHANGE IS CONDUCTED BY HEAT CONDUCTION AND RADIATION. THE SURFACE WHERE HEAT RADIATION TAKES PLACE MAY BE VARIED BY HEIGHT IN ORDER TO ENSURE THE HEAT DISTRIBUTION AND CIRCULATION. THE PLATE AT ONE END OF THE FRAME HAS A CURVED OR STRAIGHT PROFILE FOR DIRECTING THE FLAME TOWARD THE SIDE SURFACE OF THE FRAME. THIS WILL ENSURE CIRCULATION OF FLAME ON THE SIDE SURFACE, AND SUSTAINING HEAT. THE PRESENT INVENTION IMPROVES THE PERFORMANCE THROUGH THE CONTINUOUS HEAT RADIATION FROM HEAT SUSTAINING MATERIALS.

No. of Pages : 14 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :10/02/2014

(54) Title of the invention : HOSE CLAMP WITH FLAT SPRING LINER

(43) Publication Date : 30/01/2015

| :F16L33/08 | (71)Name of Applicant : |
|--------------------|---|
| :13/188093 | 1)IDEAL CLAMP PRODUCTS INC. |
| :21/07/2011 | Address of Applicant :8100 Tridon Drive Smyrna TN 37167 |
| :U.S.A. | U.S.A. |
| :PCT/US2012/047597 | (72)Name of Inventor : |
| :20/07/2012 | 1)BOWATER Bruce D. |
| :WO 2013/013149 | |
| ·NA | |
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| :NA | |
| :NA | |
| :NA | |
| | :13/188093 :21/07/2011 :U.S.A. :PCT/US2012/047597 :20/07/2012 :WO 2013/013149 :NA :NA :NA |

(57) Abstract :

An improved hose clamp having an annular band having an inner face tensioning means and an annular spring liner; the spring liner having a circumferential shoulder near an edge of the liner; and a central cylindrical flat contact portion of smaller circumference than the shoulder and of smaller width than the inner face of the band. The shoulder is adapted to abut the inner face and the contact portion is adapted to contact a hose or other article to be clamped.

No. of Pages : 17 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBODY FRAGMENT | | |
|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :29/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO, K1A 0R6,CANADA. (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD FOR MONITORING A CLEANING OF A PROCESS GAS

| (51) International classification | :B01D53/50,B01D53/30,B01D53/34 | (71)Name of Applicant : 1)ALSTOM TECHNOLOGY LTD |
|---|---|--|
| (31) Priority Document No | :11177421.2 | Address of Applicant :Brown Boveri Strasse 7 CH 5400 |
| (32) Priority Date | :12/08/2011 | Baden Switzerland |
| (33) Name of priority country | /:EPO | (72)Name of Inventor : |
| (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/IB2012/001538 :09/08/2012 :WO 2013/024329 :NA :NA :NA | 1)LARSSON Mikael |

(57) Abstract :

The present disclosure is directed to a method for monitoring a cleaning of a process gas passing through a wet scrubber. The wet scrubber comprises an inlet zone a contact zone and an outlet zone. The contact zone is divided into at least two sections. The method comprises measuring a concentration of sulphur dioxide in at least a first measuring point corresponding to a first section of the at least two sections of the contact zone to obtain measurement information; and comparing the measurement information to a reference value to determine a local sulphur dioxide removal performance of the first section.

No. of Pages : 34 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MEASUREMENT ON DATA TRAFFIC IN A COMMUNICATION 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 | :H04L12/26 :NA :NA :NA :PCT/EP2011/063010 :28/07/2011 :WO 2013/013720 :NA :NA :NA | (71)Name of Applicant : 1)TELECOM ITALIA S.p.A. Address of Applicant :Piazza degli Affari 2 I 20123 Milano Italy (72)Name of Inventor : 1)COCIGLIO Mauro |
|---|--|---|
|---|--|---|

(57) Abstract :

It is disclosed a method for performing a measurement on data traffic at a node of a communication network. The node comprises an input interface and an output interface. The input interface receives first packets and checks whether they are marked. If a first packet is marked a global input parameter is updated. A partial input parameter is also updated provided the first packet is addressed to the output interface. The output interface receives second packets which comprise at least part of the first packets and checks whether they are marked. If a second packet is marked a partial output parameter is updated provided the second packet is received from the input interface. Further a global output parameter is updated. The method further comprises performing a measurement on the data traffic based on: global input parameter partial input parameter global output parameter and partial output parameter.

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

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : N-(IMIDAZOLIDIN-2-YLIDENE)-HETEROCYCLOPENTA[B]PYRIDINE DERIVATIVES AS MODULATORS OF ALPHA 2 ADRENERGIC 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 to Application Number Filing Date (62) Divisional to Application Number Filing Date (57) Abstract : | :C07D471/04,C07D491/04,C07D498/04 :61/511372 :25/07/2011 :U.S.A. :PCT/US2012/046161 :11/07/2012 :WO 2013/015984 ⁰ :NA :NA :NA | (71)Name of Applicant : 1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California 92612 U.S.A. (72)Name of Inventor : 1)SINHA Santosh C. 2)WANG Liming 3)CHOW Ken 4)DIBAS Mohammed I. 5)GARST Michael E. |
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(57) Abstract :

The present invention relates to novel N-(imidazolidin-2-ylidene)-heterocyclo penta[b]pyridine derivatives, processes for preparing them, pharmaceutical compositions containing them and their use as pharmaceuticals.

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

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : A FAST DISSOLVING PHARMACEUTICAL COMPOSITION

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application | :A61K9/00,A61K9/19,A61K47/26 :2683/DEL/2011 :16/09/2011 :India :PCT/EP2012/067507 :07/09/2012 :WO 2013/037708 :NA :NA | (71)Name of Applicant : FERRING B.V. Address of Applicant :Polaris Avenue 144 NL 2132 JX Hoofddorp Netherlands (72)Name of Inventor : AHUJA Varinder GUNDU Balachendar GUNJIKAR Tejas |
|--|---|--|
| Number | :NA :NA | |

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(57) Abstract :

The subject invention is directed to a pharmaceutical composition comprising an open matrix network carrying a pharmaceutically active ingredient wherein the open matrix network comprises both the polysaccharides levan and inulin.

No. of Pages : 39 No. of Claims : 30

(22) Date of filing of Application :03/03/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : FIBER OPTIC RIBBON CABLE HAVING ENHANCED RIBBON STACK COUPLING AND METHODS 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 | :61/541142 :30/09/2011 :U.S.A. | (71)Name of Applicant : 1)CORNING CABLE SYSTEMS LLC Address of Applicant :800 17th Street NW Hickory NC 28602 U.S.A. (72)Name of Inventor : 1)BAUCOM James Lee 2)MCCOLLOUGH William Welch 3)SEDDON David Alan |
|---|--------------------------------------|--|
|---|--------------------------------------|--|

(57) Abstract :

A fiber optic ribbon cable includes a jacket (320) of the cable the jacket having a cavity defined therein an optical element including an optical fiber and extending within the cavity of the jacket and a dry water blocking element (340) extending along the optical element within the cavity. The dry water blocking element is wrapped around the optical element with at least a portion of the dry water blocking element disposed between another portion of the dry water blocking element and the optical element thereby defining an overlapping portion of the dry water blocking element. The optical element interfaces with the overlapping portion to provide direct or indirect coupling between the optical element and the jacket.

No. of Pages : 45 No. of Claims : 20

(21) Application No.723/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : GUARD CELL SPECIFIC EXPRESSION OF TRANSGENES IN COTTON

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C07K14/415,C12N15/82 :61/522796 :12/08/2011 :U.S.A. :PCT/EP2012/065608 :09/08/2012 :WO 2013/023992 :NA :NA :NA | (71)Name of Applicant : 1)BAYER CROPSCIENCE NV Address of Applicant :J.E. Mommaertslaan 14 B 1831 Diegem Belgium (72)Name of Inventor : 1)PIEN Stphane 2)DEN BOER Bart |
|---|--|--|
|---|--|--|

(57) Abstract :

In one aspect the application discloses a cotton plant cell comprising (a) a chimeric gene comprising a first nucleic acid sequence comprising at least 700 consecutive nucleotides of SEQ ID NO: 1 or a nucleic acid sequence having at least 80% sequence identity thereto any of which has stomata preferential promoter activity; (b) a second nucleic acid sequence encoding an expression product of interest; and (c) a transcription termination and polyadenylation sequence. In addition the present application discloses a cotton plant a method of expressing a transgene in cotton under stress conditions a method of producing a cotton plant a method of detecting the expression of a transgene under stress conditions and a method for modulating the resistance of a cotton plant to stress as characterized in the claims.

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

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : RESOURCE MANAGEMENT PLAN CREATION DEVICE METHOD THEREOF AND PROGRAM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :B61L27/00,G06Q50/30 :2011211517 :27/09/2011 :Japan :PCT/JP2012/062337 :14/05/2012 | (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)TOMIYAMA Tomoe |
|--|---|---|
| (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :WO 2013/046792 :NA :NA :NA :NA | 2)SATO Tatsuhiro 3)IWAMURA Shigeki |

(57) Abstract :

An objective of the present invention is to create a management plan which does not change a management completion site from the original plan. Operating schedule information which is stored in advance in a storage unit is read each path from a start site to an end site of each route which is included in the read out management schedule information is respectively represented as one node and routes which may be managed in sequence based on site and time are connected with links creating a network model. A node which represents a route to which a plurality of resources may be allocated is added to the created network and a link is added which connects the added node to another node while taking into account a location whereat it is possible to carry out a merge or separation operation thus updating the network model. In order to satisfy predetermined conditions (a condition of assigning resources to all routes and a condition of not changing the management end site from the original plan) a path group is derived which encompasses each node of the network model thus creating a resource management plan which executes a delivery service.

No. of Pages : 92 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR THE ALKOXYCARBONYLATION OF FUNCTIONALIZED ALKENES (51) International classification :B01J31/24,C07C67/38 (71)Name of Applicant : (31) Priority Document No 1)DSM IP ASSETS B.V. :11179766.8 (32) Priority Date :01/09/2011 Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen (33) Name of priority country :EPO Netherlands (86) International Application No (72)Name of Inventor : :PCT/EP2012/066970 1)PARTON Rudy Francois Maria Jozef Filing Date :31/08/2012 (87) International Publication No 2)JANSSEN Mich⁻⁻le Catherine Christianne :WO 2013/030344 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

This invention relates to a process for the alkoxycarbonylation of carboxylic acid functionalized alkenes or esters thereof said process comprising: (a) reacting (i) a carboxylic acid functionalized alkene or ester thereof; (ii) a catalyst system comprising a source of Pd and a ligand (iii) a source of anions derived from an acid with a pKa < 3 (iv) carbon monoxide and (v) a hydroxylgroup comprising compound under conditions wherein an ester carbonylation product is produced whereby the process is carried out in the initial presence of an ester carbonylation product. The presence of the ester carbonylation product results in stabilization of the catalyst system and prevents the formation of Pd black.

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

(22) Date of filing of Application :01/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL BENZOIC ACID AMIDE 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 | :C07C235/46,C07C235/48,A61K8/42 :1020110078309 :05/08/2011 :Republic of Korea :PCT/KR2012/006200 :03/08/2012 :WO 2013/022236 :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)JOO Yung Hyup 2)BAEK Heung Soo 3)LEE Chang Seok 4)CHOI Soo Jeong 5)RHO Ho Sik 6)PARK Mi Young 7)SHIN Song Seok |
|---|---|--|
| Application Number Filing Date | :NA :NA | 8)LIM Kyung Min 9)PARK Young Ho |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a novel benzoic acid amide derivative compound isomers thereof pharmaceutically acceptable salts thereof prodrugs thereof hydrates thereof or solvates thereof. The novel compound has excellent skin whitening effects.

No. of Pages : 44 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBODY FRAGMENT | | |
|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :29/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO, K1A 0R6,CANADA. (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : PERSONAL CARE COMPOSITIONS HAVING DRIED ZINC PYRITHIONE

| (31) Priority Document No (32) Priority Date (33) Name of priority country (31) Priority Date (32) Priority Date (33) Name of priority Country (31) Priority Date (32) Priority Date (33) Name of priority Country (11) Priority Date (12) Priority Country (13) Name of Priority Country (14) Priority Country (15) Priority Country (15) Priority Date (16) Patent of Addition to Application Number Filing Date (16) Divisional to Application (14) Number (15) Priority Country (16) Patent of Addition to (16) Patent of Addition to (16) Patent of Application (16) Priority Country (17) Priority Country (17) Priority Country (17) Priority Country (18) Priority Priority Country (18) Priority Cou | PCT/US2012/050840 15/08/2012 WO 2013/025743 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)SMITH Edward Dewey III 2)COOK Jason Edward |
|--|---|--|
| Number :N | NA NA | |

(57) Abstract :

Personal care compositions including dried zinc pyrithione are provided. Methods are also provided to increase antimicrobial efficacy and enhance deposition of zinc pyrithione.

No. of Pages : 26 No. of Claims : 15

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMMUNICATION DEVICE SIGNAL SUPERIMPOSING CIRCUIT AND SIGNAL SUPERIMPOSING METHOD

(57) Abstract :

This communication device is equipped with: a first communication unit that transmits first information via a differential signal to a first wiring pair; a second communication unit that transmits second information via a differential signal to a second wiring pair; and a third communication unit that transmits third information by superimposing one part of a differential signal onto the first wiring pair and superimposing the other part of the differential signal onto the second wiring pair. Also, a signal superimposing circuit is provided with: a first superimposing circuit that applies a differential signal to the first wiring pair and superimposes one part of a differential signal; and a second super imposing circuit that applies a differential signal to the second wiring pair and superimposes the other part of the differential signal. By means of said configuration, it is possible to suppress unnecessary radiation.

No. of Pages : 37 No. of Claims : 9

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : MOBILE X-RAY UNIT WITH INTEGRATED X-RAY SHIELD

| (51) International classification | :H01J | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :13/439,953 | 1)GENERAL ELECTRIC COMPANY |
| (32) Priority Date | :05/04/2012 | Address of Applicant :1 RIVER ROAD, SCHENECTADY, |
| (33) Name of priority country | :U.S.A. | NEW YORK 12345, U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)PATIL, MAHENDRA MADHUKAR |
| (87) International Publication No | : NA | 2)BALAN, ARUN A. |
| (61) Patent of Addition to Application Number | :NA | 3)VARGHESE, JIJO |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A mobile x-ray imaging unit with an integrated x-ray shield is disclosed. The mobile x-ray imaging unit includes a base, a column structure extending upwardly from the base, a horizontal arm mounted on the column structure, and an x-ray source positioned on the horizontal arm, with the x-ray source configured to generate x-ray radiation for acquisition of an x-ray image. The mobile x-ray imaging unit also includes an x-ray shield extending upwardly from the base on a side of the column structure opposite the x-ray source that is configured to attenuate x-ray radiation generated by the x-ray source, wherein at least a portion of the x-ray shield is formed of an optically transparent material and wherein the x-ray shield is sized so as to provide x-ray shielding to an operator when the operator is in a standing position.

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

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : AN ANTOBO | DDY FRAGMENT | |
|--|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N 15/13 :60/664,954 :25/03/2005 :U.S.A. :PCT/CA2006/000451 :24/03/2006 :WO 2006/099747 :NA :NA :NA :7345/DELNP/2007 :29/09/2007 | (71)Name of Applicant : 1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 MONTREAL ROAD, M-58, EG- 06B, OTTAWA, ONTARIO, K1A 0R6,CANADA. (72)Name of Inventor : 1)TANHA, JAMSHID |

(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

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM CELL SELECTION IN THE PRESENCE OF UNACCEPTABLE CELLS

| (51) International classification | :H04W48/16 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :13/193361 | 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) |
| (32) Priority Date | :28/07/2011 | Address of Applicant :S 164 83 Stockholm Sweden |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No | :PCT/EP2012/063698 | 1)NADER Ali |
| Filing Date | :12/07/2012 | 2)KLANG Robert Wolfgang |
| (87) International Publication No | :WO 2013/013996 | 3)AXMON Joakim |
| (61) Patent of Addition to Application | :NA | |
| Number | | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 1 | | 1 |

(57) Abstract :

A user equipment (UE) cell search involves tuning a demodulation frequency of the UE based on signals received from a first encountered cell and using a non initial cell search procedure to continue searching for a cell that is qualified for camping on wherein the non initial cell search procedure relies on the demodulation frequency being within limits of accuracy that enable successful reception and decoding of received information. Prior to finding a qualified cell information enabling a first discovered unqualified cell to again be found is saved. After a period of time during which the non initial cell search procedure has been performed and before the UE s demodulation frequency is beyond acceptable limits of accuracy the saved information is used to again tune the demodulation frequency based on reading signals from the first discovered unqualified cell. The UE then continues to perform the non initial cell search procedure.

No. of Pages : 35 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : USE OF ISOSORBIDE MONOESTERS AS ANTIMICROBIAL ACTIVE SUBSTANCES

| (51) International classification | :A01N43/90,A01P1/00 | (71)Name of Applicant : |
|--|---------------------|--|
| (31) Priority Document No | :10 2011 109 435.4 | 1)CLARIANT INTERNATIONAL LTD |
| (32) Priority Date | :04/08/2011 | Address of Applicant :Rothausstrasse 61 4132 Muttenz |
| (33) Name of priority country | :Germany | Switzerland |
| (86) International Application No | :PCT/EP2012/003246 | (72)Name of Inventor : |
| Filing Date | :31/07/2012 | 1)PILZ Maurice Frederic |
| (87) International Publication No | :WO 2013/017257 | 2)KLUG Peter |
| (61) Patent of Addition to Application | :NA | 3)SCHERL Franz Xaver |
| Number | | 4)GROHMANN Joerg |
| Filing Date | :NA | -) |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| (57) 11 | | · |

(57) Abstract :

There is described the use of one or more compounds of the formula (I) in which R is a linear or branched saturated alkyl group having 5 to 11 carbon atoms or a linear or branched monounsaturated or polyunsaturated alkenyl group having 5 to 11 carbon atoms as antimicrobial active substance. The compound(s) is/are preferably used in cosmetic dermatological or pharmaceutical compositions in plant protection formulations in detergents or cleaners or in colorants or paints.

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

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : GUIDE WIRE INCORPORATING A HANDLE

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :A61M25/00,A61M25/01,A61M25/09 :13/182549 :14/07/2011 :U.S.A. :PCT/IB2012/001368 :04/07/2012 :WO 2013/008087 :NA :NA | (71)Name of Applicant : 1)MED WORKS LIMITED Address of Applicant :Gallagh Roscommon Co Roscommon Ireland (72)Name of Inventor : 1)COYLE James A. |
|--|--|---|
| Application Number Filing Date | :NA :NA | |

(57) Abstract :

A guide wire incorporating a handle (200,300,400) that incorporates a handle at the proximal end of said guide wire the handle incorporating a guide wire actuator (202,302,402) slidably disposed upon an actuator rail (204,304,404) the guide wire actuator being affixed to the proximal end (232,422) of the guide wire (216,308,420) and a guard rail (210,416) contained within the actuator rail (204,304,403) that prevents buckling of the proximal end of the guide wire. The handle can be connected to a catheter device amalgamating the guide wire and the catheter allowing the catheter and guide wire to be operated simultaneously while also enabling the guide wire to be advanced or torqued independently of the catheter device.

No. of Pages : 59 No. of Claims : 20

(21) Application No.920/DELNP/2014 A

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS OF ENHANCING SKIN HYDRATION AND IMPROVING NON DISEASED SKIN

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :A61K8/58,A61K8/49,A61Q19/00 :61/523715 :15/08/2011 :U.S.A. :PCT/US2012/050882 :15/08/2012 :WO 2013/025769 :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)STELLA Qing 2)COOK Jason Edward |
|---|--|---|
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A method of enhancing skin hydration the method including applying a rinse off personal care composition comprising at least one of a zinc containing material and a pyrithione material to non diseased skin of an individual.

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

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN APPARATUS AND SYSTEM TO REMOVE DEBRIS FROM A LASER EXTENDED BORE SECTION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :12/07/2012 :WO 2013/012684 :NA :NA | (71)Name of Applicant : 1)SLD ENHANCED RECOVERY INC. Address of Applicant :4606 FM 1960 West Suite 400 Houston TX 77069 U.S.A. (72)Name of Inventor : 1)BOZSO Tamas 2)BOZSO Robert |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

AN APPARATUS AND A SYSTEM TO REMOVE DEBRIS GENERATED BY USING LASER LIGHT TO EXTEND A BORE SECTION COMPRISES A BODY (50) CONNECTED TO AN UMBILICAL AND A PLURALITY OF COOLANT INJECTION PORTS (68) ARRANGED ABOUT AN INLET TO A DEBRIS REMOVAL PASSAGE (67) THROUGH THE BODY. THE UMBILICAL IS USED TO POSITION THE BODY ADJACENT A BORE WALL IN A BORE SECTION TO BE EXTENDED LASER LIGHT IS EMITTED FROM THE APPARATUS TO MELT AT LEAST A COMPONENT OF A FORMATION MATERIAL IN WHICH THE BORE IS TO BE EXTENDED AND TO GENERATE GLOBULES OF MELTED FORMATION COMPONENTS. A GAS IS INJECTED (78) INTO THE BORE SECTION TO DISRUPT AND TO SWEEP AT LEAST SOME OF THE MOLTEN MATERIAL (81) FROM A LASER PATH INTO THE DEBRIS REMOVAL PASSAGE AS AN INJECTED STREAM (71) OF COOLANT WITHIN THE PASSAGE INTERCEPTS THE REMNANTS OF GLOBULES OF MOLTEN MATERIAL AS THEY ACCELERATE IN THE DEBRIS REMOVAL PASSAGE.

No. of Pages : 46 No. of Claims : 24

(21) Application No.989/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification(31) Priority Document No(32) Priority Date | :NA :NA | (71)Name of Applicant : 1)CHEMTURA CORPORATION Address of Applicant :199 Benson Road Middlebury CT |
|--|--------------------------------|---|
| (33) Name of priority country(86) International Application No | :NA :PCT/US2011/053822 | 06749 U.S.A. (72)Name of Inventor : |
| (87) International Publication No | :29/09/2011 :WO 2013/048399 | 1)TIMBERLAKE Larry D. 2)SIEBECKER James D. |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 3)NARAYAN Subramaniam |
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| | | • |

(54) Title of the invention : FLAME RETARDANT HALOGENATED PHENYL ETHERS

(57) Abstract :

A halogenated phenyl ether flame retardant is described having the general formula (I): wherein each X is independently C1 or Br n is an integer of from 0 to 12 and each p is independently an integer of 1 to 4 provided that when each X is C1 the total amount halogen in the ether is from about 50 to about 65 wt% and when each X is Br the total amount halogen in the ether is from at least 70 wt % to about 79 wt% and wherein from about 30% to about 80% for example from about 35% to about 75% of the halogenated ethers are fully halogenated the remainder being partially halogenated. In many embodiments mixtures of compounds of formula I with different values of n are present. The present flame retardant provides superior mechanical properties when incorporated into a polymer than similar flame retardants which contain a higher amount of fully halogenated species.

No. of Pages : 26 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : ENDOGENOUS DNASE ACTIVITY TO REDUCE DNA CONTENT

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C12N1/08,C12N1/14,C12P21/02 :61/537837 :22/09/2011 :U.S.A. :PCT/US2012/056315 :20/09/2012 :WO 2013/043860 :NA :NA :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)HOFFMANN Katherine 2)KO Douglas 3)WARD Michael |
|--|---|---|
|--|---|---|

(57) Abstract :

The application provides a method of reducing the DNA content of a protein preparation or a culture broth from a filamentous fungal host cell using an endogenous filamentous fungal host DNase activity.

No. of Pages : 33 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM FOR LUBRICATION

| (51) 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/SE2013/000025 :20/02/2013 | (71)Name of Applicant : 1)BERGLUND Sven Address of Applicant :Rishagsvgen 4 S 91831 S,,VAR Sweden (72)Name of Inventor : 1)BERGLUND Sven |
|---|---------------------------------------|---|
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA ¹ :NA :NA | |

(57) Abstract :

System (1) for the lubrication of components comprised of at least one grease gun (2) and at least one replaceable applicator (3) for grease. A unique feature of the present grease gun (2) is that it may be switched between a manually operated grease gun (7) and a power operated grease gun (8) and that the applicator (3) includes an elongated shaft (10) which includes at least one channel which culminates into a rotating roller (11) with which grease is applied to the surfaces that are to be greased with the system.

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

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : SAMPLE INTRODUCTION DEVICE AND METHOD FOR PROVIDING 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 | :2007260 :11/08/2011 :Netherlands :PCT/EP2012/065809 :13/08/2012 :WO 2013/021068 :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)EGMOND VAN Wilhelm Matthijs Adriaan 2)MENGERINK Ynze |
|---|--|--|
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to an injector for use in gas phase analytical systems and methods comprising a metal housing provided with a carrier gas inlet a split outlet a column outlet of the injector a sample inlet a liner and a heater device comprising at least one coil for radio frequency inductive heating the housing with a predetermined temperature program and for providing a predetermined spatial temperature profile in the injector. The injector according to the invention allows performing gas phase analyses especially GC analyses with reduced discrimination. Advantages of heating with a heater device comprising a coil for inductive heating include a homogeneous heating profile of the housing including parts connected thereto with heating rates that can be varied widely. A further advantage is that the injector can be operated as a conventional S/SL injector at a predetermined temperature or as PTV injector or thermal desorption injector with certain predetermined temperature programs. The invention also relates to a process of making an injector according to the invention and to a process of refitting an existing S/SL injector. The invention further concerns a gas analytical system comprising an injector according to the invention and to a process of analysing a sample with such gas analytical system.

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

(21) Application No.921/DELNP/2014 A

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CONFORMABLE PERSONAL CARE ARTICLES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :A61K8/02,C11D17/04,A47L13/17 :61/523824 :15/08/2011 :U.S.A. :PCT/US2012/050874 :15/08/2012 | (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)SMITH III Edward Dewey 2)MCCONAUGHY Shawn David |
|---|--|---|
| (87) International Publication No | :WO 2013/025761 | |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A conformable personal care article is disclosed having a first personal care composition in a first zone and a second personal care composition in a second zone such that the first and second zones are defined by one or more barriers and a first water penetrable substrate adjacent to the first and second compositions; at least one of the compositions is non compliant.

No. of Pages : 45 No. of Claims : 15

(19) INDIA(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR GENERATING A PULSATING FLUID JET SUBJECTED TO PRESSURE

| | n:B05B13/06,B05B17/06,B24C1/08 | |
|---|-----------------------------------|--|
| (31) Priority Document No | :10 2011 080 852.3 | 1)DRR ECOCLEAN GMBH |
| (32) Priority Date | :11/08/2011 | Address of Applicant :M ¹ / ₄ hlenstrasse 12 70794 Filderstadt |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No Filing Date | :PCT/EP2012/060208 :31/05/2012 | (72)Name of Inventor :1)DAVID Hermann Josef2)K,,SKE Egon |
| (87) International Publication No | :WO 2013/020732 | 3)KLINKHAMMER Norbert |
| (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 device (20) for generating a pulsating fluid jet (16 18) from fluid subjected to pressure. The device (20) contains a line system (36) having at least one nozzle (38 40) which has a nozzle orifice (125) from which a fluid jet (16) of fluid subjected to pressure can exit. The device (20) has a chamber (22) in which a pressure wave generation arrangement (24) for generating fluid pressure waves (32) is constructed. The chamber (22) communicates with the line system (36) through an exit opening (34) for the generated fluid pressure waves (32). According to the invention the device (20) contains an adjusting arrangement (31 47 62 64) for controlling the amplitude Aof the fluid pressure waves (22) in the line system (36) upstream of the at least one nozzle orifice (125). With the adjusting arrangement(31 47 62 64) it is possible to adjust a Helmholtz number He:= L/ formed from the quotient of the path length L for the fluid pressure waves(22) in the line system (36) between the exit opening (34) of the chamber (22) and the at least one nozzle orifice (125) of the at least one nozzle (38 40) and the wavelength of the fluid pressure waves (22) formed in the line system (36).

No. of Pages : 46 No. of Claims : 22

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : LIQUEFACTION AND SACCHARIFICATION OF GRANULAR STARCH AT HIGH CONCENTRATION

| (31) International (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (34) Priority Date (35) Priority Date (35) Name of priority country (33) Name of priority country (34) Priority Date (35) Priority Date (35) Priority Date (36) International Application No Filing Date (37) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application NA NA NA NA NA NA NA NA | 'age Mill Road Palo Alto |
|--|--------------------------|
|--|--------------------------|

(57) Abstract :

The present teachings provide methods of processing granular starch in slurries containing high dry solids content. The slurries are initially incubated with enzymes at or below the gelatinization temperature. The use of pullulanase and glucoamylase at specified doses allows for improved glucose yields at lower energy cost.

No. of Pages : 37 No. of Claims : 36

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND DEVICE FOR DETERMINING A ROUTE RECOMMENDATION FOR A VEHICLE AND METHOD AND DEVICE FOR PROVIDING A ROUTE RECOMMENDATION FOR A VEHICLE

| 8 (71)Name of Applicant : 1)ROBERT BOSCH GMBH |
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| 5 |

(57) Abstract :

A method for determining a route recommendation for a vehicle is proposed. Said 5 method is performed using a social media internet platform and a navigation device arranged in the vehicle and wirelessly connected to the social media internet platform. The method comprises a step for receiving a traffic event notification and a position notification assigned to the traffic event notification, from the social media internet platform via the navigation device. The method also comprises a step for comparing, via the navigation device, the 10 position notification with a route notification representing a route to be taken by the vehicle, in order to establish whether a position represented by the position notification lies on the route to be taken by the vehicle. The method also comprises a step for evaluating the traffic event notification, if the position represented by the position notification lies on a route to be taken by the vehicle, in order to be taken by the vehicle, in order to establish the route recommendation for the vehicle based on 15 the traffic event notification.

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

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

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|--|--------------------|---|
| | | |
| (51) International classification | :H04W16/28 | (71)Name of Applicant : |
| (31) Priority Document No | :13/183834 | 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) |
| (32) Priority Date | :15/07/2011 | Address of Applicant :S 164 83 Stockholm Sweden |
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| (86) International Application No | :PCT/IB2012/052267 | 1)HUI Dennis |
| Filing Date | :07/05/2012 | 2)GUEY Jiann Ching |
| (87) International Publication No | :WO 2013/011383 | |
| (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 : DISTRIBUTED BEAM SELECTION FOR CELLULAR COMMUNICATION

(57) Abstract :

A group of multiple base stations (10 12 14 20) implements distributed and coordinated antenna beamforming selection to achieve increased performance. Each of the base stations in the group determines an associated optimal set of antenna beam direction parameters in a distributed manner based on local radio information exchanged between neighboring ones of the base stations. Each of the base stations transmits to one or more user equipments (UEs) (18) served by that base station using its associated optimal set of beam direction parameters. The local radio information generated by one of the base stations indicates how the transmissions of its neighbor base stations affect the performance of the base station. The performance of a base station may be measured by the difficulty or challenge in maintaining a minimum desired signal quality e.g. a minimum SINR for the UE served by the base station.

No. of Pages : 38 No. of Claims : 43

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 30/01/2015

| Filing Date:11/07/20121)RICHARDSON Charles(87) International Publication No:WO 2013/0098492)BARGATZE Robert F.(61) Patent of Addition to Application:NA3)MENDELMAN Paul M.Number:NA:NA(62) Divisional to Application Number:NA | ive Bozeman Montana |
|--|---------------------|
| (62) Divisional to Application Number :NA Filing Date :NA | |

(54) Title of the invention : PARENTERAL NOROVIRUS VACCINE FORMULATIONS

(57) Abstract :

The present invention relates to single dose parenteral vaccine compositions comprising mixtures of monovalent Norovirus virus like particles. Methods of conferring protective immunity against Norovirus infections in a human subject by administering such compositions are also disclosed.

No. of Pages : 75 No. of Claims : 38

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR CHEMICAL SYNTHESIS OF ANTROCIN AND USE THEREOF FOR SUPPRESSING NON SMALL CELL LUNG CANCER

| (51) International classification | :C07D307/77,A61K31/343,A61K31/365 | (71)Name of Applicant : 1)YANG Zhen |
|---|-----------------------------------|---|
| (31) Priority Document No | :NA | Address of Applicant :F202 Peking University Shenzhen Graduate School Lishui Road Xili Town Nanshan District |
| (32) Priority Date | :NA | Shenzhen Guangdong 518055 China |
| (33) Name of priority country | :NA | 2)TZENG Yewmin 3)LI Chuangchuang |
| (86) International Application No Filing Date | :PCT/CN2011/078232 :10/08/2011 | 4)LUO Tuoping 5)SHI Hang 6)YEH Chitai |
| (87) International Publication No | :WO 2013/020285 | (72)Name of Inventor : 1)YANG Zhen |
| (61) Patent of Addition to |). NA | 2)TZENG Yewmin |
| Application Number Filing Date | :NA | 3)LI Chuangchuang 4)LUO Tuoping |
| (62) Divisional to Application Number Filing Date | :NA :NA | 5)SHI Hang 6)YEH Chitai |

(57) Abstract :

Provided are a method for preparing Antrocin through total chemical synthesis and a use of a composition containing Antrocin or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier in preparing drugs for suppressing growth of non small cell lung cancer cells.

No. of Pages : 39 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :11/02/2014

(54) Title of the invention : FORMULATION OF TRANSPARENT AND NUTRITIVE MICROEMULSIONS

(57) Abstract :

A clear and nutritive microemulsion comprising an aqueous phase in which at least one liposoluble active ingredient is dispersed a first surfactant included in the group consisting of non ionic surfactants with a high HLB and non ionic surfactants with medium HLBs; and a second surfactant characterized in that said second surfactant is chosen from the group consisting of anionic surfactants which have an HLB = 25.

No. of Pages : 35 No. of Claims : 17

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : GAS GENERATOR WITH COMBINED GAS FLOW VALVE AND PRESSURE RELIEF VENT

| (51) International classification (31) Priority Document No | :H01M8/04,F16K17/168,F17C13/04 :61/506351 | (71)Name of Applicant : 1)EVEREADY BATTERY COMPANY INC. Address of Applicant :533 Maryville University Drive St. |
|--|--|--|
| (32) Priority Date | :11/07/2011 | Louis Missouri 63141 U.S.A. |
| (33) Name of priority country | /:U.S.A. | (72)Name of Inventor : |
| (86) International Application No Filing Date (87) International Publication No | :01/05/2012 | 1)BARTON Russell H. |
| (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA :NA | |

(57) Abstract :

A gas generator includes a reactant capable of producing a gas and a gas outlet valve that can function as both a gas flow valve and a pressure relief vent using the same gas flow path through the valve. When the valve is closed and the pressure within the gas generator is below a threshold pressure a moveable valve member is biased against a valve seat to block the outlet port. When gas generator is coupled to the apparatus an actuator is inserted into the valve displacing the moveable valve member and separating it from the valve seat to open the valve. When the gas generator is uncoupled pressure at or above a threshold displaces the moveable member separating it from the valve seat to open the outlet port so pressure can be released to the external environment.

No. of Pages : 21 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :F25B15/14 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2011 110 018.4 | 1)AAA WATER TECHNOLOGIES AG |
| (32) Priority Date | :11/08/2011 | Address of Applicant :c/o 4S Treuhand AG Hinterbergstrae 18 |
| (33) Name of priority country | :Germany | CH 6330 Cham Switzerland |
| (86) International Application No | :PCT/EP2012/065519 | (72)Name of Inventor : |
| Filing Date | :08/08/2012 | 1)HEINZL Wolfgang |
| (87) International Publication No | :WO 2013/021005 | |
| (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 : ABSORPTION REFRIGERATION MACHINE

(57) Abstract :

The invention relates to an absorption refrigeration machine (10) that includes an evaporator (12) and an absorber (18) and is characterized in that the evaporator (12) comprises at least one evaporating unit (12) having a coolant channel (26), through which the coolant (16) flows and which is delimited at least in part by a heat-conducting, vaporand liquid-tight wall (24), and having at least one refrigerant channel (28) that adjoins the heat-conducting wall (24), is loaded with the refrigerant (14), and is separated from a vapor chamber (32) by a vapor-permeable, liquid-tight membrane wall (30) on the side of the refrigerant channel opposite the heat-conducting wall (24), and in that the absorber (18) comprises an absorption unit (18) having a cooling-medium channel, through which a cooling medium (34) flows and which is delimited at least in part by a heat-conducting, vapor- and liquid-tight wall (36), and having an absorption channel (40) which adjoins the heat-conducting wall and to which the concentrated, low-refrigerant pair of working substances (22) is fed and which is loaded with refrigerant vapor(20) from the vapor chamber (32) via a vapor-permeable, liquid-tight membrane wall (30) from the vapor chamber (32) via a vapor-permeable, liquid-tight membrane wall (30).

No. of Pages : 36 No. of Claims : 14

(21) Application No.982/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

| (51) International classification | :H02K7/00 | (71)Name of Applicant : |
|--|--------------------|---|
| (31) Priority Document No | :10 2011 080 889.2 | 1)ROBERT BOSCH GMBH |
| (32) Priority Date | :12/08/2011 | Address of Applicant :Postfach 30 02 20 70442 Stuttgart |
| (33) Name of priority country | :Germany | Germany |
| (86) International Application No | :PCT/EP2012/062572 | (72)Name of Inventor : |
| Filing Date | :28/06/2012 | 1)HENGER Martin |
| (87) International Publication No | :WO 2013/023829 | |
| (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 : ELECTRIC MACHINE AND METHOD FOR ASSEMBLING AN ELECTRIC MACHINE

(57) Abstract :

The invention relates to an electric machine (1), comprising a drive shaft (2), on which 5 a rotor (3) and a connecting element (4) are arranged, an at least partially force-closed torque transmission connection being formed between the rotor (3) and the connecting element (4) in that the connecting element (4) is pushed in the direction of the rotor (3) by means of a locking element (18). The locking element (18) is designed as a screw and has an external screw thread (25), which is screwed into an internal shaft thread (26) of the drive shaft (2). 10 The invention further relates to a method for assembling an electric machine (1).

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

(21) Application No.985/DELNP/2014 A

(22) Date of filing of Application :11/02/2014

(43) Publication Date : 30/01/2015

(54) Title of the invention : CROSS LINKED ORGANOSILICON POLYSULFIDES

| (32) Priority Date (33) Name of priority country (86) International Application PCT/ | 7443.6 8/2011 /EP2012/065560 8/2012 | (71)Name of Applicant : 1)LANXESS DEUTSCHLAND GMBH Address of Applicant :Kennedyplatz 1 50569 Kln Germany (72)Name of Inventor : 1)WEIDENHAUPT Hermann Josef 2)WIEDEMEIER Melanie 3)FELDHUES Ulrich |
|---|--|--|
|---|--|--|

(57) Abstract :

The present invention relates to new crosslinked organosilicon polysulphides, to processes for preparing them and to their use as additives for plastics and/or rubbers.

No. of Pages : 38 No. of Claims : 19

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : TRIP ALARM CONTACT ACTUATOR MECHANISM FOR USE IN CIRCUIT BREAKERS

| (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Date (35) Name of priority country (36) International Application No (37) International Publication No (38) International Publication No (39) International Publication No (30) Name of Priority country (31) Priority Date (32) Priority Date (33) Name of Priority country (34) MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (35) Name of Priority country (36) International Application No (37) International Publication No (38) NA (39) Priority Country (30) Name of Priority Country (31) Priority Country (32) Priority Date (33) Name of Priority Country (34) Priority Country (35) NA (36) International Publication Number (37) International Publication Number (31) Priority Country (32) Priority Country (33) Name of Priority Country (34) Priority Country (35) Priority Country (36) Priority Country (37) Name of Inventor : (38) Priority Country (39) Priority Country (31) 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 (39) Priority Country (31) Priority Country (31) Priority Country (32) Priority Country (33) Priority Country (34) Priority Country (35) Priority Country (36) Priority Country (37) Priority Country (38) Priority Country (39) Priority Country (31) Priority Country (32) Priority Country (33) Priority Country (34) Priority Country (35) Priori | (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | H01H73/02 :NA :NA :NA :NA :NA :NA :NA | MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)KANADE, OMKAR 2)PHILIP, ANOOP |
|--|--|--|---|
|--|--|--|---|

(57) Abstract :

The present invention provides an arrangement for actuation of a trip alarm contact in circuit breaker. The trip alarm contact actuator arrangement comprising: a latch link comprises an actuator interface pin, a pivot point and an actuator interface feature; a trip alarm contact actuator comprises a pivoted profile, plurality of interaction means for interfacing with the latch link and the trip alarm contact. The trip alarm contact actuator pivoted independent with the latch link rotation axis facilitating rotation of the actuator at a point by varying the actuator pivot axis and the interaction means for the latch link, therefore providing movement of the actuator independent of movement of the latch link.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL MECHANISM DESIGN FOR CHANGEOVER SWITCH DISCONNECTOR

| (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)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : |
|--|--------------------------|---|
| Filing Date (87) International Publication No | :NA : NA | 1)DERAIYA, HARDIK 2)JETHLIYA, RAJESH |
| (61) Patent of Addition to Application Number | :NA :NA | 3)SINGH, GAURAV, KUMAR |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a mechanism for use in changeover switch disconnector. The mechanism comprises knob means (I) (1), another inside moving arm means (II) (2) having integrated gear profile in operative engagement with said knob means so that change in position of knob means correspondingly move said inside moving arm means (II), a slider (3) located proximally to said knob means (II) such that movement of said inside moving arm means (II) moves the slider and a holder means (4) loaded with a spring (5) and co-operating with the slider so as to hold the slider at a predetermined position wherein said spring exerts pressure on the moving contact (10) of the switch disconnector facilitating contacting of the moving contact with the input terminals.

No. of Pages : 15 No. of Claims : 6

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : IMPROVED TESTING ARRANGEMENT FOR TESTING ELECTRICAL PRODUCTS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | G01N17/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)MALEK, JAVED |
|--|---------------------------------------|---|
| Filing Date (87) International Publication No | :NA : NA | |
| (61) Patent of Addition to Application NumberFiling Date(62) Divisional to Application Number | :NA :NA :NA | |
| Filing Date | :NA :NA | |

(57) Abstract :

The present invention provides an arrangement for testing a electrical and switchgear product(s). The arrangement comprises: a mounting plate for mounting a moulded case circuit breaker (MCCB); a push to trip means for tripping the breaker; plurality of roller means for providing travel setting(s); a centre block with a gear mechanism operatively connected to the roller means; an adjustable C-clamp for operating a knob of the breaker; a slide profile for providing sliding movement to the centre block. The arrangement reduced changeover/set-up time & also it will be free from hazardous & ease-safe to operate.

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

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DOUBLE BREAK ARC QUENCHING CIRCUIT BREAKER WITH IMPROVED CURRENT LIMITATION

| (51) International classification | :H01H71/12 | (71)Name of Applicant : |
|---|------------|--|
| (31) Priority Document No | :NA | 1)LARSEN & TOUBRO LTD. |
| (32) Priority Date | :NA | Address of Applicant :L&T HOUSE, BALLARD ESTATE, |
| (33) Name of priority country | :NA | MUMBAI-72, STATE OF MAHARASHTRA, INDIA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)NAYAN DEGDA |
| (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 arc quenching arrangement for double break circuit breaker is provided. It consists of a double break contact system having two fixed contacts connected to two corresponding moving contacts for carrying rated current. Two arc chambers are positioned around each contact points. An arc runner is provided in each of the arc chamber where one end of the arc runner mounted below the arc chute and another end of the arc runner having a bent loop profile forming parallel face. An arc jumper connects ends of the arc runners to move the arc generated at any of the fixed contact due to opening of contacts due to fault current. The arc is transferred from one side of the double break system to another achieving better arc quenching.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : IMPROVED COVER ASSEMBLY FOR INTERNAL ACCESSORIES OF CIRCUIT BREAKERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :H01H71/02, H01H9/16, :NA :NA :NA :NA :NA : NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)SUBRAMANIAM, MOHANAPRIYA 2)SUKUMAR, SUBHASH |
|--|--|---|
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This invention relates generally to switchgear applications. More particularly the present invention relates to an improved terminal cover assembly for internal accessories like under voltage release; shunt release etc. of circuit breakers. The invention finds its application under voltage and shunt release where wire termination and finger protection is required. In this invention box clamp held by terminal cover is configured to withstand screw tightening load thereby protecting screw tightening load from transferring to coil.

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

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR PREPARATION OF 4-CHLORO-4'-HYDROXY BENZOPHENONE

| (32) Phonty Date (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 Number (87) International Publication Number<th> (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date </th><th>:NA :NA :NA :NA :NA :NA :NA :NA</th><th>(72)Name of Inventor :1)BIPINCHANDRA PUNJALAL SHAH2)JASHVANTBHAI GANGARBHAI PATEL</th> | (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 :NA | (72)Name of Inventor :1)BIPINCHANDRA PUNJALAL SHAH2)JASHVANTBHAI GANGARBHAI PATEL |
|---|---|--|---|
|---|---|--|---|

(57) Abstract :

The invention relates to an improved process for the preparation of 4-chloro-4-hydroxy benzophenone formula (I). The process involves reaction of 4-chlorobenzotrichloride with phenol in presence of lewis acid to provide 4-chloro-4-hydroxy benzophenone formula (I).

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

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : IMPROVED METHODS FOR THE QUANTITATIVE DETERMINATION OF RIVAROXABAN AND ITS KNOWN IMPURITIES.

| (51) International classification | :C07D413/14 | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :NA | 1)ALEMBIC PHARMACEUTICALS LIMITED |
| (32) Priority Date | :NA | Address of Applicant : ALEMBIC CAMPUS, ALEMBIC |
| (33) Name of priority country | :NA | ROAD, VADODARA-390 003, GUJARAT, INDIA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)PATEL, AJAY |
| (87) International Publication No | : NA | 2)PATEL, PRAKASH |
| (61) Patent of Addition to Application Number | :NA | 3)KEDIA, JAGADISH |
| Filing Date | :NA | 4)BALAJI, SUNDARA KALYANA |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention-1 relates to an improved reversed-phase liquid chromatographic (RP-LC) method for the quantitative determination of rivaroxaban and its known impurities. The present invention further provides a stability indicating analytical method using the samples generated from forced degradation studies.

No. of Pages : 22 No. of Claims : 43

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : HERBAL COMPOSITION FOR THE TREATMENT OF HERPES

| (32) Filing Date (33) Name of priority country (86) International Application No (87) International Publication No (87) International Publication No (87) International Publication Number (87) Inter | (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | A61P13/12 :NA :NA :NA :NA :NA :NA :NA :NA :NA | |
|--|--|--|--|
|--|--|--|--|

(57) Abstract :

Disclosed herein is a herbal composition comprising extracts of herbs selected from Hypericum mysorense, Withania somnifera, Phyllanthus niruri, Holoptelia integrifolia, Acacia Catechu, Vetiveria zizanioides, Syzygium aromaticum, Terminalia chebula, Azadirachta indica Linn, Glycyrrhiza glabra, Bacopa monnieri and Andrographis paniculata along with pharmaceutical acceptable excipients, useful for the treatment of symptoms associated with Herpes simplex virus, Human papilloma virus and other viral infections.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : CONNECTING SHAFT WITH A FLEXIBLE HEAD | | | |
|---|--------------------|--|--|
| (51) Internetional description | ·F 3 109/10 | | |
| (51) International classification | | (71)Name of Applicant : | |
| (31) Priority Document No | :NA | 1)LARSEN & TOUBRO LTD. | |
| (32) Priority Date | :NA | Address of Applicant :L&T HOUSE, BALLARD ESTATE, | |
| (33) Name of priority country | :NA | MUMBAI-72, STATE OF MAHARASHTRA, INDIA | |
| (86) International Application No | :NA | (72)Name of Inventor : | |
| Filing Date | :NA | 1)TARUN BADAR | |
| (87) International Publication No | : NA | 2)KASIF SHEIKH | |
| (61) Patent of Addition to Application Number | :NA | 3)SHUBHO SANYAL | |
| Filing Date | :NA | | |
| (62) Divisional to Application Number | :NA | | |
| Filing Date | :NA | | |

(57) Abstract :

A connecting shaft with flexible head is provided. A square hollow shaft is used along with a universal coupler type arrangement. This arrangement transfers the torque from a rotary operating handle on a panel door to the circuit breaker inside the panel. The connecting shaft comprises of two sub-shafts i.e. a T-shaft and a coupler shaft which are connected together by a compression spring giving the whole assembly the required flexibility. The connection of the compression spring with the two sub-shafts is enclosed inside an enclosure. The T-shaft has two teeth coming out of cylindrical body which fit inside the coupler of rotary knob for proper torque transmission. T-shaft is riveted at one end of the enclosure; it is free to move in the plane perpendicular to the axis of the connection. Similar is the case with the coupler shaft at the other end of the enclosure, with the plane of motion being upright, i.e. perpendicular to that of the T-shaft.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : IMPROVED ARC CHUTE ASSEMBLY FOR CIRCUIT BREAKERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | H01H73/18 :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :LARSEN & TOUBRO LIMITED, L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA |
|---|--------------------------------|---|
| (86) International Application No Filing Date | :NA :NA | (72)Name of Inventor : 1)PAUL, NIRMAL, JOSEPH, T. |
| (87) International Publication No | .NA : NA | 2)CHOWDHURY, PARTHA |
| (61) Patent of Addition to Application Number | :NA | 3)SRIVASTAVA, ANANYA |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to an improved arc chute assembly for use in circuit breakers. The assembly comprises de-ion plate arrangement comprising plural de-ion plates. Each of said de-ion plates comprise a tapered profile on one end of the said plate so as to prevent reflection of the sonic waves back onto the region between the contacts of the circuit breaker and provide better aerodynamic movement of the sonic waves produced towards the arc chute top.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : IMPROVED HOLDER ASSEMBLY FOR INTERLOCKED SWITCHING DEVICES

| (51) International classification(31) Priority Document No(22) Driviting Data | :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant of Applica |
|--|-------------------|--|
| (32) Priority Date(33) Name of priority country(86) International Application No | :NA :NA :NA | Address of Applicant :LARSEN & TOUBRO LIMITED L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA |
| (80) International Application No (87) International Publication No | :NA : NA | (72)Name of Inventor : 1)LADKAT, ASHWINI |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 2)GHOTEKAR, SANDIP 3)NATH, SUBHASISH |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The present invention relates to a holder assembly for holding two or more interlocked switching devices with minimum gap inbetween. The assembly comprises plural wings/flanges (1) having pre-determined grooves so as to fixably engage with the said interlocked devices and a projection (2) located intermediately to the said flanges. The projection accommodates a screw means for engagement of the holder assembly with the switching devices.

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

(19) INDIA

(22) Date of filing of Application :14/03/2013

(54) Title of the invention : TILE BASED PARTITION

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :E06B9/00, E04F13/10, E04C2/12, E04F13/0 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)VINOD K PITRODA Address of Applicant :A304 SURYA APARTMENTS, BREACH CANDY, MUMBAI 400026, MAHARASHTRA, INDIA. (72)Name of Inventor : 1)VINOD K PITRODA |
|---|---|--|
| Filing Date | :NA :NA | |

(57) Abstract :

The present invention is related to a tile based partition comprising at least one vertical bar (9); at least one cross bar (13) snap fitted with reinforcing screws (13s) for broadening or shortening the width of the partition by changing size of cross bar (13) or by sliding same in a housing (13a); at least one top trim (1) configured to be fitted on an under trim (1B), wherein said under trim (1B) is fitted on a top panel (14); at least one board (4) for mounting on said tile based partition; at least one raceway cover (5); at least one slidable plastic cap (7) configured to slide within the profile of aluminum trim (12); at least one bracket (8) to fix the table top; and at least one door (15).

No. of Pages : 15 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MANAGING SUSTAINABLE INTELLECTUAL PROPERTY PORTFOLIO OF AN ENTERPRISE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | G06Q50/18 NA 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 400021, Maharashtra India (72)Name of Inventor : 1)MOHANTY, Santosh 2)SARKAR, Shampa 3)GUPTA, Taruna |
|---|---|---|
| 8 | NA NA | |
| Filing Date :: | NA | |

(57) Abstract :

The present subject matter describes a method and a system for managing sustainable intellectual property (SIP) portfolio of an Enterprise, which comprises generating a sustainable intellectual property in atomicity of the Enterprise based on a sustainability differentiator. The sustainability differentiator is obtained by defining at least one of a sustainable claims set and a competitive advantageous claims set for the sustainable intellectual property (IP), in comparison with Enterprise IP vis. a vis. key player IP in the marketplace. The method further comprises creating a sustainable and optimized IP portfolio based on the sustainable IP in atomicity or a plurality of decomposed fragments of intellectual property landscapes obtained by analyzing the sustainable IP in atomicity. An integrated system is developed that enables the method in totality.

No. of Pages : 82 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DISTRIBUTION BOARD FOR LOCKING BUS-BAR AND INSULATION SHROUD

| (51) International classification (31) Priority Document No (32) Priority Date (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)LARSEN & TOUBRO LIMITED Address of Applicant :LARSEN & TOUBRO LIMITED L&T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)RAYOMAND MEDHORA 2)SADANAND G CHOUDHARI |
|--|--|---|
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| T ming Date | .1971 | |

(57) Abstract :

The present invention describes a distribution board assembly for locking bus-bar. The distribution board assembly includes a base plate, a base plate support, and an insulating shroud. The base plate has a plurality of opening for securing base plate support thereover. The base plate support having a second opening for mounting a bus-bar assembly therein. Two snap fit projections are provided on the base plate support for securing therewith the insulating shroud thereto. Also the base plate support has two slots for fixing and guiding the insulation shroud for securing thereto, which makes the assembly easy and requires less time.

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

(22) Date of filing of Application :18/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : VERIFYING STATE REACHABILITY IN A STATECHART MODEL HAVING COMPUTER PROGRAM CODE EMBEDDED THEREIN

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :G06F9/44, G06F11/36 :NA :NA :NA :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 400021, MAHARASHTRA, INDIA. (72)Name of Inventor : 1)METTA Ravindra Kumar 2)MADHUKAR, Kumar 3)SINGH Priyanka 4)R, Venkatesh |
|---|---|---|
|---|---|---|

(57) Abstract :

Disclosed is method and system for verifying reachability of the states in a statechart model, where the statechart model is the combination statecharts and programmed instructions. The statechart model is transcribed into a first program code in a first program code. Static analysis is performed upon the first program code to generate a master program code. The master program code comprises only information required for verifying reachability of the statechart model. The master program code is further translated into a second program code. Both, the master program code and the second program code is collated with a set of functions to generate first target program code and the second target program code respectively, where the set of functions are configured to encode an execution framework. Further, the execution framework is configured for verifying the reachability of the states in the statechart model by using Simulation-based technique and/or a Model-based technique .

No. of Pages : 27 No. of Claims : 11

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AUXILIARY SWITCH CASE - WIRE ROUTING AND THE ASSEMBLY THEREOF IN RESPECTIVE COMPARTMENTS IN CIRCUIT BREAKERS.

| (51) International classification(31) Priority Document No | :H01H77/00 :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED |
|---|-------------------|--|
| (32) Priority Date | :NA | Address of Applicant :L&T HOUSE, BALLARD ESTATE, |
| (33) Name of priority country | :NA | MUMBAI-72, STATE OF MAHARASHTRA, INDIA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)BHUVANESWARI MOHANRAJ |
| (87) International Publication No | : NA | 2)V.P.B.CHAKRAVARTHI KAJANA |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A single switch case molded member for mounting standard micro-switch and extension thereof on the breaker is provided. It consists of a housing which is substantially rectangular and one pair of the parallel edges of the housing have plurality of female slots (20). The housing has extensions (21 and 24) on top and bottom of the housing respectively to clamp fit the said housing with the breaker. A housing cover (22) is hinged on the second parallel pair of edges and housing cover has plurality of male protrusions which snap fit in some of the female slots (20) on the parallel edges. Wire routing mode consisting of wires on top and bottom side, are routed through the cavity (23) formed at the hinge point between housing cover (22) and the edge of the housing and wires on sides are routed through cavity (20) formed by the said female protrusions on the parallel edges. Plurality of holes (18) are provided in the housing for assembling the standard micro-switch with the switch case by passing pins through the holes.

No. of Pages : 20 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : LIGHT EMITTING UNIT, DISPLAY, AND LIGHTING APPARATUS

| | (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :2012090214 :11/04/2012 :Japan :NA :NA :NA :NA :NA | Address of Applicant :1-7-1 Konan, Minato-ku, Tokyo, Japa (72)Name of Inventor : 1)SHINGO OHKAWA 2)TOMOHARU NAKAMURA |
|--|--|---|---|
|--|--|---|---|

(57) Abstract :

There are provided a light emitting unit that enhances the uniformity of in-plane colors, as well as a display and a lighting apparatus that include such a light emitting unit thereon. The light emitting unit includes: a plurality of light emitting sections each having a light source and a wavelength conversion member, the wavelength conversion member converting a wavelength of light emitted from the light source; an optical component having a light incident surface in opposition to the plurality of light emitting sections; and a color unevenness prevention structure suppressing direct entering of light from the light source into the optical component.

No. of Pages : 56 No. of Claims : 18

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : HIGH BENDING STRENGTH SHEET-METAL STRUCTURE AND METHOD FOR PRODUCTION THEREOF

| | :B32B | (71)Name of Applicant : |
|---|------------------|--|
| (51) International classification | 15/00,E04H12/00, | 1)LARSEN & TOUBRO LIMITED |
| | E04H12/08 | Address of Applicant : LARSEN & TOUBRO LIMITED L&T |
| (31) Priority Document No | :NA | HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 |
| (32) Priority Date | :NA | 001, STATE OF MAHARASHTRA, INDIA |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)VISHAL PALLIKANDI |
| Filing Date | :NA | |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

Disclosed is a sheet-metal structure having high bending strength. The sheet-metal structure comprises a first platform/wider rib embossed thereon, a plurality of second embossed platforms/ribs embossed on the first embossed platform thereby providing a further depth to the sheet-metal structure and optionally a third platform/rib embossed on each rib of the plurality of second ribs to achieve further depth in the sheet-metal structure. Wherein embossing the sheet-metal structure at different levels distributes the area of elongation amongst different levels without reaching the fracture point thereof.

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

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ARRANGEMENT OF MAGNETIC CLADDING FOR ELECTRICAL SWITCHING DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :H01L21/8246, G11C11/14, :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LTD. Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-72, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)SANTHOSH POTHANA 2)SADANAND G. CHOUDHARI |
|--|--|--|
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 3)PIYUSH HURKAT |
| (61) Fatch of Addition to Application Number(62) Divisional to Application NumberFiling Date | :NA :NA :NA :NA | |

(57) Abstract :

An arrangement of magnetic cladding for electrical switching device is provided. The rotor has a cavity and plurality of slots in its centre for mounting contact system. A vertical side plate magnetic cladding mounted along the side walls of the said central cavity in the rotor and the side plate is provided with protrusions. A moving contact mounted on the protrusion of the side plate. A horizontal top plate magnetic cladding is mounted over the moving contact. This top plate extends to cover top surface of the vertical side plate magnetic cladding. A leaf spring is mounted over the horizontal top plate magnetic cladding to maintain pressure on the moving contact.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTRONIC TRIP UNIT (ETU) FOR A CIRCUIT BREAKER

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :LARSEN & TOUBRO LIMITED L & T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI |
|--|-------------------|--|
| (86) International Application No | | 400 001, STATE OF MAHARASHTRA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)VIVEK SANJAY AGARWAL |
| (61) Patent of Addition to Application Number | :NA | 2)SHWETA UMESH SHETTY |
| Filing Date | :NA | 3)BHANWAR LAL BISHNOI |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An Electronic Trip Unit (ETU) includes a timer, a storage memory, a computation system and an alarm system. The timer is initialized to a sampling period and facilitates sampling of input signal value for each phase. The storage memory stores input signal sample for each cycle. The computation system meters current and voltage and includes an AC to DC converter (ADC), a Direct Memory Access Controller (DMAC), a dynamic computation module. The AC to DC converter (ADC) is triggered with interruption of the timer. The Direct Memory Access Controller (DMAC) is triggered by the AC to DC converter (ADC). The dynamic computation module dynamically computes DC offset per cycle and accesses sample value, from the storage memory and utilizes the dynamically computed DC offset value per cycle for processing the sample value and computing Root Mean Square (RMS) value that is used for current and voltage measurement.

No. of Pages : 30 No. of Claims : 5

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ARRANGEMENT FOR HIGH SPEED OPENING OF CONTACT SYSTEM IN ELECTRIC **SWITCHGEARS**

| (51) International classification | :H01H33/59 | (71)Name of Applicant : |
|---|------------|---|
| (31) Priority Document No | :NA | 1)LARSEN & TOUBRO LIMITED |
| (32) Priority Date | :NA | Address of Applicant :LARSEN & TOUBRO LIMITED L & |
| (33) Name of priority country | :NA | T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI |
| (86) International Application No | :NA | 400 001, STATE OF MAHARASHTRA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)AMIT CHATURVEDI |
| (61) Patent of Addition to Application Number | :NA | 2)KASIVISWANADHAM P |
| Filing Date | :NA | 3)BRAJESH SINGH TOMAR |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Accordingly, the present invention provides an arrangement for high speed opening of contact system in electric switchgears. The arrangement comprises an operating mechanism for driving a shaft assembly which rotates a shaft in on. off and trip conditions, a moving contact assembly hinged to a shaft housing of the shaft assembly via a cylindrical pin, a compression spring capable of generating a contact pressure between the moving contact assembly and a fixed contact assembly, a spring holder assembled with the moving contact assembly with a first pin and a second pin with the help of a third pin and a moving contact provided in the moving contact assembly. The moving contact includes a first profile provided for fixing of the contact button thereon, a second profile and a third profile provided for the first pin and the cylindrical pin, the second profile and the third profile having location of holes configured in such a way that after crossing a dead centre, direction of the compression spring force gets reversed to provide a flipping action.

No. of Pages : 16 No. of Claims : 2

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM FOR ENABLING/DISABLING DIGITAL INSTANTANEOUS OVERRIDE PROTECTION AND METHOD 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 No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :LARSEN & TOUBRO LIMITED L&T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 (001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)B. L. BISHNOI 2)APEKSHA B LANDE 3)ZAINAB VEJLANI 4)DHRUVI TYAGI |
|---|-------------------|---|
|---|-------------------|---|

(57) Abstract :

Disclosed is a system for enabling/disabling digital instantaneous override protection. The system includes a test kit for providing Vcc, ground reset and an input pin, wherein the test kit makes the input pin low. The system further includes a microcontroller connected to the test kit. The microcontroller sense the input pin made low by the text kit, wherein the input pin is made low for specified amount of time to toggle the state of instantaneous override.

No. of Pages : 12 No. of Claims : 5

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ACTUATING SHAFT LOCKING ARRANGEMENT AND SHAFT ADJUSTABILITY OF ELECTRICAL SWITCH

| (51) International classification | :F16D1/08,F16B7/14, H01H3/32 | (71)Name of Applicant : 1)LARSEN & TOUBRO LTD. |
|---|---------------------------------|---|
| (31) Priority Document No | :NA | Address of Applicant :L&T HOUSE, BALLARD ESTATE, |
| (32) Priority Date | :NA | MUMBAI-72, STATE OF MAHARASHTRA, INDIA |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)SREEKALA M |
| Filing Date | :NA | 2)SADANAND CHOUDHARI |
| (87) International Publication No | : NA | 3)JAMMULA AJITHKUMAR |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 4)PIYUSH HURKAT |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The actuating shaft locking arrangement for electrical devices is provided. A mechanism plate is mounted on the electrical device and the plate has circular cavity at its centre. A cam indicator has hollow tubular structure with a pointer projection (for indication) and semi-circular grooves along its length and the cam indicator is mounted in the circular cavity in the of the mechanism plate. An auxiliary contact assembly is mounted over the cam indicator and mechanism plate which is actuated by the cam. The actuating shaft to be locked has its one end mounted in the hollow tubular structure of the cam indicator. At-least two fixing clamps are mounted in the semi-circular grooves on the cam indicator around the said actuating shaft and fixed together to lock the actuating shaft after adjusting the shaft to the desired length.

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

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PLANT AND PROCEDURE FOR PRESS DISTRIBUTION

(57) Abstract :

The invention is about a plant for carrying out measures in connection with the distribution of press products, the so-called press distribution. With this plant, devices for commissioning and devices for the remission of press products are combined, with at least one of the devices being involved both in the commissioning and the remission so that by using the plant so formed both an error-free commissioning and a correct remission can be carried out.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MOUNTING HOLE GUARD FOR PROVIDING IP PROTECTION

| (51) International allocation | U01C7/12 (71)Nome of Applicant. |
|---|--|
| | H01C7/12 (71)Name of Applicant : |
| (31) Priority Document No :NA | NA 1)LARSEN & TOUBRO LIMITED |
| (32) Priority Date :N. | NA Address of Applicant :LARSEN & TOUBRO LIMITED L&T |
| (33) Name of priority country :N. | NA HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 |
| (86) International Application No :N. | NA 001, STATE OF MAHARASHTRA, INDIA |
| Filing Date :N. | NA (72)Name of Inventor : |
| (87) International Publication No : N | NA 1)RAYOMAND MEDHORA |
| (61) Patent of Addition to Application Number :N. | NA 2)SADANAND G CHOUDHARI |
| Filing Date :N. | NA |
| (62) Divisional to Application Number :N. | NA |
| Filing Date :N. | NA |

(57) Abstract :

The present invention provides a mounting hole guard for providing IP protection, the mounting hole guard having a key hole guard and a box assembly. The key hole guard having locking limbs, flexible limbs, plurality of locking slots and a screw driver slot. The locking limbs is configured on a first surface of the key hole guard. The flexible limbs is projecting out from the first surface of the key hole guard. The locking slots are configured on a second surface of the key hole guard. The screwdriver slot is configured on a central portion of the second surface of the key hole guard. The box assembly having a key hole profile and a flexing limb hole profile both configured on a central portion thereof. Further, the locking limbs and the flexible limbs are assembled in the box assembly, and upon rotating the key hole guard for locking with the box assembly to configure mounting hole guard.

No. of Pages : 12 No. of Claims : 3

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :A47L9/00, A47L5/26 | Address of Applicant :07, Aditraj Bunglows, Near |
|---|------------------------|---|
| (31) Priority Document No | :NA | Nandanvan-5, B/h Kalatirth Apartment, Prernatirth Derasar Road, |
| (32) Priority Date | :NA | Jodhpur, Ahmedabad-380015. GUJARAT, INDIA |
| (33) Name of priority country | :NA | 2)Shah Parin Kamalkumar |
| (86) International Application No | :NA | 3)Jain Anjil Anvin |
| Filing Date | :NA | 4)Bhavsar Swapnil Chandrakant |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)Dr. Vasani Rupesh Parmanand |
| Filing Date | :NA | 2)Shah Parin Kamalkumar |
| (62) Divisional to Application Number | :NA | 3)Jain Anjil Anvin |
| Filing Date | :NA | 4)Bhavsar Swapnil Chandrakant |
| | | 5)Patel Bhupendra Laljibhai |

(54) Title of the invention : USB VACUUM CLEANER

(57) Abstract :

The present invention of USB Vacuum CleanerTM is a compact USB powered vacuum cleaner. This vacuum cleaner is has one motor and specially designed rotor blades along with a specially designed intake manifold. These rotor-blades draw the air from the atmosphere through intake manifold.

No. of Pages : 9 No. of Claims : 3

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR GENERATION AND UTILIZATION OF AN E-PRESCRIPTION

| (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: NAFiling Date: NA | A Address of Applicant :MOHAN VILLA, 1147-B, SHIVAJI IA NAGAR, PUNE-411 016, MAHARASHTRA, INDIA. IA (72)Name of Inventor : IA 1)DEWAN MOHAN IA IA |
|---|---|
| (62) Divisional to Application Number :NA Filing Date :NA | IA |

(57) Abstract :

The present disclosure envisages a computer implemented system and method for generation and utilization of e-prescription. This is a cloud based system that will enable patients, medical-practitioners, and chemists associated with the system access the system in real time with no or negligible communication waiting time. The system is patient compliant and built with the intention to monitor and to prohibit misuse of drugs or medicines prescribed by a medical-practitioner. The system of the present disclosure, enabled to identify the chemist, the medical-practitioner, facility with a unique identification number. The e-prescription created by the medical-practitioner corresponding to the patient is generally in encrypted form which is not readable to the patient. In one embodiment of the system is to generate a time bound e-prescription which will expire within a given time period.

No. of Pages : 44 No. of Claims : 12

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD AND A SYSTEM FOR IMPLEMENTING THERMAL MEMORY BY MAPPING CHARGING AND DISCHARGING OF THE CAPACITOR BY USING DAC

| H03M1/66, H03M3/00 :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)BISHNOI, BHANWAR, LAL 2)KULKARNI, JAYWANT, R. 3)TYAGI, DHRUVI |
|---|--|
| :NA :NA | |
| | H03M1/66, H03M3/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA |

(57) Abstract :

The present invention provides a system and method for thermal memory modeling of a current carrying conductor in a circuit breaker. The system comprise: a RC circuit; a controller means for measuring a voltage across a capacitor of the RC circuit; a converter means. The converter means controlling the charging and discharging of the capacitor according to increase and decrease of the current in the current carrying conductor. The voltage across Thermal Capacitor gives a direct indication of the conductor temperature. So if the current increases to a small value then Thermal Capacitor also charges to a small value and not to maximum voltage. If now the current decreases the Thermal Capacitor discharges accordingly.

No. of Pages : 17 No. of Claims : 18

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTRONIC TRIP UNIT WITH SMS SENDING CAPABILITY FOR TRIP/FAULT INDICATION AND RECEIVING CAPABILITY FOR CORRECTIVE ACTION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | H01H47/00, H01H71/04 :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)BISHNOI, BHANWAR 2)AGARWAL, VIVEK, SANJAY 3)DESHMUKH, VINOD 4)SHETTY, SHWETA |
|---|---|--|
| (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 provides a system for communicating the occurrence of abnormality in its functioning to a user / system incharge wirelesslywho can then send a corrective command back to the breaker. The system comprises:amodule with a SIM card holder; a power supply unit providing power to the module; an electronic trip unit having a microcontroller connected to the module. The module is sending a command duringa trip or fault in the circuit breaker and receiving command for clearing the fault(s).

No. of Pages : 11 No. of Claims : 7

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : RELIABILITY ENHANCEMENT OF TRIPPING SYSTEM OF ELECTRICAL CIRCUIT BREAKERS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number | H02H1/00 :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)BISHNOI, BHANWAR, LAL 2)SAKADEVAN, CAUSHALYA |
|---|--|--|
| 8 | :NA :NA | |
| | :NA | |

(57) Abstract :

The present invention relates to a microprocessor based release assembly for use in switchgears eliminating the need for any separate Under Voltage release. The assembly comprises a sensing module to sense various feedbacks from the Trip contact ensuring operation of the flux shift device (FSD) wherein said module selectively relays over current faults to FSD and other faults to the Shunt Trip unit.

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

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN IMPROVED ARRANGEMENT FOR DOUBLE BREAK CONTACT SYSTEM FOR CIRCUIT BREAKERS

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :H01H1/20, H01H77/10 :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : |
|--|--|---|
| (86) International Application No Filing Date | :NA :NA | 1)PHILIP, ANOOP 2)REDDY, RAVIKISHORE, V. |
| (87) International Publication No | : NA | 2)KEDD1, KAVIKISHOKE, V. |
| (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 an arrangement for double break contact system in circuit breaker. The arrangement comprises: a contact arrangement comprises a moving contact(s), and a fixed contact(s); a rotating shaft; an arc quenching chamber; a spring arrangement comprises at least two compression spring and at least two spring holder(s). The compression spring contact between the spring holder(s) providing a contact force for maintaining a pressure between the moving contact (s) and the fixed contact(s) to facilitate a flip locking for the contact system. The present invention provides a double holder based compression spring arrangement that can provide a flip locking based contact system with less frictional loss, good stability and high contact opening.

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

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DE-COLORATION AS WELL AS CLEARING OF COLORED LAYERS FROM PRINTED BARCODE THERMAL TRANSFER PET (POLYESTER) RIBBONS (TTR) IN BOTH ROLL FORM AND IN FRAGMENTS FORM

| (51) International classification | :C09D 9/00 | (71)Name of Applicant : 1)MUKHOPADHYAY, Ashutosh |
|---|---------------|---|
| (31) Priority Document No | :NA | Address of Applicant :Flat No. 10, Swawalambi CHS Sector- |
| (32) Priority Date | :NA | 4, Airoli, Navi Mumbai-400708, MAHARASHTRA, INDIA. |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MUKHOPADHYAY, Ashutosh |
| 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 provides a method of recovery of Polyester (PET) in both roll forms and in fragments forms from printed barcode thermal transfer ribbons (TTR) waste. More specifically, the present invention provides use of certain inorganic acid(s) and/or certain organic solvent(s) to recover the Polyester (PET) in both roll forms and in fragments forms from printed barcode thermal transfer ribbons (TTR) industrial waste.

No. of Pages : 11 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : IDENTIFICATION TAG FOR THE VIDEOS. (51) International classification :H04N9/80 (71)Name of Applicant : (31) Priority Document No 1)AMIT KUMAR JAIN :NA (32) Priority Date Address of Applicant : F 1402, ROYAL CLASSIC :NA (33) Name of priority country BUILDING, LINK ROAD, ANDHERI WEST, MUMBAI-:NA (86) International Application No 400053. Maharashtra India :NA Filing Date :NA (72)Name of Inventor : (87) International Publication No : NA **1)AMIT KUMAR JAIN** (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 method of video interaction and more particularly to a method of video interaction using an identification tag, comprising integrating an identification tag to a video as visible metadata for identifying said video with at least one user, resulting in a tagged video; using said identification tag on said video to establish a purpose of use of said video with at least one software application and/or service, wherein tagging is performed on said video to add information about the contents of said video and an associated situation related to said contents; using said tagged video in the internet for sending, receiving, curating, retrieving and processing information related to said at least one user via - a primary software application and/or service that implements said identification tag as a requirement for providing service ,a secondary software application and/or service that does not directly support said primary software application and/or service but is used to incorporate said tagged video and data associated with said video leads a viewer to said primary software application and/or service from said secondary software application and/or service, and tertiary software application and/or service wherein an un-tagged video can be tagged and said un-tagged video upon tagging can be returned as search result if searched for using said primary software application and/or service.

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

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PROCESS OF PREPARING ETHACRYNATE SODIUM

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | 11/28 :NA :NA :NA | (71)Name of Applicant : 1)ENALTEC LABS PRIVATE LIMITED Address of Applicant :17TH FLOOR, KESAR SOLITAIRE, PLOT NO.5, SECTOR-19, SANPADA, NAVI MUMBAI PIN CODE: 400705 Maharashtra India |
|--|----------------------------|--|
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)BOBBA VENKATA SIVAKUMAR |
| (87) International Publication No | : NA | 2)KODALI ESWARA RAO |
| (61) Patent of Addition to Application Number | :NA | 3)GIRISH BANSILAL PATEL |
| Filing Date | :NA | 4)SANJAY DASHRATH VAIDYA |
| (62) Divisional to Application Number | :NA | 5)ALOK PRAMOD TRIPATHI |
| Filing Date | :NA | |

(57) Abstract :

The present invention provided processes of preparing ethacrynate sodium monohydrate form.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DRAW-OUT TYPE CONTACT ENGAGEMENT MEASURING INSTRUMENT

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :H02B11/10, H02B13/065 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LTD. Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-72, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)SANJEET VISHWAKARMA |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA :NA | |
| | | |

(57) Abstract :

An arrangement for measuring length of engagement of fixed contact with moving contact in electrical device is provided. It consists of a hollow rectangular housing having a linear slot on along its length. The edges along the slot are marked with measuring scale. Rectangular housing is mounted over moving contacts using mounting pillar. An L shaped sliding pointer, one arm of the sliding pointer slides through the slot on the housing and another arm of the L shaped pointer passes through the space between moving contacts and coincides with the end of the moving contact. When moving contact starts engaging with the fixed contact, it displaces the pointer in opposite direction which indicates distance travelled by moving contact on measuring scale.

No. of Pages : 16 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ENGINE CRADLE ASSEMBLE FOR A VEHICLE

| (51) International classification | :B62D21/11 | (71)Name of Applicant : |
|---|--------------|---|
| (31) Priority Document No | :NA | 1)TATA MOTORS LIMITED |
| (32) Priority Date | :NA | Address of Applicant : BOMBAY HOUSE, 24 HOMI MODY |
| (33) Name of priority country | :NA | STREET, HUTATMA CHOWK, MUMBAI 400 001, |
| (86) International Application No | :NA | MAHARASHTRA, INDIA. |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)PATIL YUVRAJ Y |
| (61) Patent of Addition to Application Number | :51/MUM/2008 | 2)HAJARE MANDAR B |
| Filed on | :01/01/2008 | 3)RAGHUVANSHI JAYESHKUMAR K |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

This invention relates to an engine cradle assembly comprising a front cross member and a rear cross member, being interconnected by a left side member and a right side member; said front cross member being provided an end and a center mounting location, and having provisions for mounting suspension and engine units; said front cross member further comprises of elliptical sections at intermediate portions between the end mounting locations and the center mounting location which is oriented to have maximum stiffness for engine and suspension mounting; said cradle assembly is adapted to be attached to a vehicle body by fastening of said end mountings of said front cross member with an reinforcement assembly of the vehicle body; and by fastening top end surfaces of rear cross member to bottom surfaces of the vehicle body mounting means, and wherein the side member also includes at least one metallic insert.

No. of Pages : 28 No. of Claims : 5

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MODIFYING A REPRESENTATION ON A DISPLAY DEVICE BASED ON A GESTURE PERFORMED ON A SURFACE

| (51) International classification | :G06F3/01 | (71)Name of Applicant : |
|---|---------------|--|
| | | |
| (31) Priority Document No | :NA | 1)Azoi Inc. |
| (32) Priority Date | :NA | Address of Applicant :715, Ivy Street, Pittsburgh, PA 15232, |
| (33) Name of priority country | :NA | USA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Hamish Patel |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :714/MUM/2012 | |
| Filed on | :19/03/2013 | |

(57) Abstract :

A system includes a depth sensor, a processor, and a memory storing unit to configure the processor. The processor configures the instructions given by memory storing unit involving the representation of the gesture made on a surface. The depth information is captured as a set of frames. The surface is a non-electronic surface. The depth information is converted into a logical event. The gestures made on the surface are visually represented on the display device. The gesture is represented based on the logical event. The gesture includes a representation of the gesture. The processor processes an input that includes a modified representation of the gesture made on the surface and displays the modified representation of the gesture on the display device.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN OPERATING HANDLE WITH A INTERLOCK FLOAT (51) International classification :H01H71/50 (71)Name of Applicant : (31) Priority Document No 1)LARSEN & TOUBRO LTD. :NA (32) Priority Date Address of Applicant :L&T HOUSE, BALLARD ESTATE, :NA (33) Name of priority country MUMBAI-72, STATE OF MAHARASHTRA, INDIA :NA (86) International Application No (72)Name of Inventor : :NA Filing Date :NA **1)TARUN BADAR** (87) International Publication No : NA 2)KASIF SHEIKH (61) Patent of Addition to Application Number :NA **3)SHUBHO SANYAL** Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The operating handle with an interlock float for a panel door for remotely accessing and operating a circuit breaker assembly by means of a shaft has three discs which slide over each other. Firstly a knob assembly rotates over an actuation plate and is fixed with a bottom disc by means of a screw. A middle plate with two pairs of slots substantially at right angles to each other engages with the bottom disc. A top plate moves over the middle plate and has a shaft adapting profile. Protrusions on the bottom disc and the top plate move in slots in the middle plate. A flexible shaft-guiding plate is placed over the top plate, and is connected with the actuation plate by a means of four springs. The flexible shaft-guiding plate has a shaft-guiding profile which helps the shaft to easily move inside the top plate. In normal condition, the shaft-guiding plate holds all the discs at the centre in line with the knob axis. Since this plate is floating, it is held tightly between back plate and actuation plate. There are two pairs of cuts in different orientations on the shaft-guiding profile of the flexible shaft-guiding plate for realizing door-defeat feature. The complete assembly is mounted on the panel door.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :14/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND APPARATUS FOR WIRELESS DATA TRANSMISSION SUBJECT TO PERIODIC SIGNAL BLOCKAGES

(57) Abstract :

A system and method for data transmissions in a wireless communications system, which accommodates for a periodic blockage of the transmission signal, is provided. A data stream is segmented into packets of a predetermined fixed-size for a burst-mode transmission over a channel of the communications system, wherein the transmission is subject to a periodicblockage. A forward error correction outer code is then applied to the packets of the data stream for recovery of packets subjected to the periodic blockage, and a unique word is added to each packet for acquisition of frequency, carrier phase and symbol timing of the respective packet. The packets of the data stream are interleaved based on an interleaver of a depth based at least in part on a ratio of a blockage free duration between two consecutive blockages of the periodic blockage to a duration of each blockage of the periodic blockage.

No. of Pages : 39 No. of Claims : 36

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A COOLING FAN ASSEMBLY FOR PCC FEEDER TYPE SWITCHBOARD

| (51) International classification(31) Priority Document No(32) Priority Date | :H02B1/21 :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :LARSEN & TOUBRO LIMITED L&T |
|--|-------------------------|---|
| (33) Name of priority country | :NA | HOUSE, BALLARD ESTATE, MUMBAI-400 001 STATE OF |
| (86) International Application No | :NA | MAHARASHTRA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)S A MOHAMED FAISAL |
| (61) Patent of Addition to Application Number | :NA | 2)SWADESH R SAREN |
| Filing Date | :NA | 3)ROHIDAS H. LASTE |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention discloses a cooling fan assembly for reducing temperature rise of a PCC feeder type switch board that comprises at least an opposed pair of fixed channels, at least an opposed pair of movable channels, a plurality of widthwise channels and a plurality of cooling fan units. The fixed channels connect to an opposed pair of switchboard panels. The movable channels are mounted on the opposed pair of fixed channels and are securely held in position through a screw arrangement. The widthwise channels permanently connect to the moving channels thereacross such that the cooling fan units position over at least a couple of widthwise channels. The cooling fan units slidably move per the movement of the moving channels, preferably in a forward direction or a rearward direction.

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

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SYNTHESIS OF PRASUGREL | | |
|--|-------------|--|
| | | |
| (51) International classification | :C07D495/04 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)USV LIMITED |
| (32) Priority Date | :NA | Address of Applicant : ARVIND VITTHAL GANDHI |
| (33) Name of priority country | :NA | CHOWK, B.S.D. MARG, GOVANDI MUMBAI-400 088, |
| (86) International Application No | :NA | MAHARASHTRA, INDIA. |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)PATKAR, LAXMIKANT NARHARI |
| (61) Patent of Addition to Application Number | :NA | 2)MONDKAR, HARISH KASHINATH |
| Filing Date | :NA | 3)DESHPANDE, MANOJ MADHUKARRAO |
| (62) Divisional to Application Number | :NA | 4)VENGURLEKAR, RUPESH SUDHIR |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a process for preparation of substantially pure Prasugrel or pharmaceutically acceptable salt thereof. The present invention further relates to a process for obtaining 2-Fluorobenzyl alcohol, 2-Fluorotoluene or 2-Fluorobenzyl cyanide substantially free from impurities, including isomeric impurities.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SECONDARY HANDLE OF AN ELECTRICAL SWITCHING DEVICE FOR EMERGENCY USAGE.

| (51) International classification:H0(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:NAState:N | A Address of Applicant :L&T HOUSE, BALLARAD ESTATE, MUMBAI-72, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)SAMIR KUMAR A 2)SHUBHO SANYAL |
|---|---|
| (62) Divisional to Application Number :NA Filing Date :NA | |

(57) Abstract :

The emergency operating handle has cut slots for manual grip and extended tubular structure with teeth at the end. The handle has a marking pointer on its surface. A shaft from the circuit breaker is connected to the breaker on one end and holding pin at other end. A circular fixed base is fixed on the shaft. The circular base has slots on its inner surface for engaging it with teeth on the shaft and a marking pointer on its outer surface for indicating the engagement of the circular base with the handle. A compression spring is wound around the shaft with its one end connected to the fixed base and another end connected to the operating handle. The shaft rotates only if the teeth on operating handle engage with the slots on the circular base which is indicated by coinciding of the marking pointers on operating handle and fixed base.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PUSH TO TRIP ASSEMBLY FOR MANUAL TRIPPING OF CIRCUIT BREAKERS.

| (51) International classification(31) Priority Document No(32) Priority Date | :H01H71/74 :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LTD. Address of Applicant :L&T HOUSE, BALLARD ESTATE, |
|--|--------------------------|---|
| (33) Name of priority country | | MUMBAI-72, STATE OF MAHARASHTRA, INDIA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)SHREEYASH PATANKAR |
| (87) International Publication No | : NA | 2)KAPU NAGARJUN |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A push to trip assembly for manually operating electrical devices is provided. Front cover of the electrical device has a prismatic cavity and steps in the cavity. An interface lever is inserted in the cavity which engages with one end of the cam lever. A rotating member with its one end pivoted in the caster on the front cover engages with the second end of the cam lever. The rotating member has a projection at its centre which holds the trip plate against it. A return spring is provided around the interface lever between horizontal surfaces of the interface lever and steps in the cavity. When the user presses interface lever, it transmits motion to cam lever which moves the rotating member around the pivot and releases the trip plate resting against it in required direction and trips the electrical device.

No. of Pages : 22 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : BUSBAR SUPPORT ASSEMBLY

| | :H02G5/00, | (71)Name of Applicant : |
|---|------------|---|
| (51) International classification | H01L21/00, | 1)LARSEN & TOUBRO LIMITED |
| | H02G5/06 | Address of Applicant :LARSEN & TOUBRO LIMITED L&T |
| (31) Priority Document No | :NA | HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 |
| (32) Priority Date | :NA | 001, STATE OF MAHARASHTRA, INDIA |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)CHETAN D. MEHTA |
| Filing Date | :NA | 2)ROHIDAS H. LASTE |
| (87) International Publication No | : NA | 3)HARSHA R. DESHPANDE |
| (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 busbar support assembly. The busbar support assembly comprises a first griping member comprising a plurality of slots configured thereon for accommodating the plurality of busbars therein. Further, the busbar support assembly comprises a second gripping member capable of receiving the first gripping member therein. The second gripping member restricts movement of the first gripping member in all directions. Furthermore, the busbar support assembly includes a channel having at least two slots for receiving the second gripping member thereon.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTROMAGNETIC INTERFERENCE FILTER FOR FILTERING HIGH VOLTAGE/HIGH FREQUENCY ARCS IN ENERGY MEASUREMENT DEVICES

| (51) International classification | :H05B41/392 | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :NA | 1)LARSEN & TOUBRO LIMITED |
| (32) Priority Date | :NA | Address of Applicant :LARSEN & TOUBRO LIMITED L&T |
| (33) Name of priority country | :NA | HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 |
| (86) International Application No | :NA | 001, STATE OF MAHARASHTRA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)ASHISH PATTIAN LOURDURAJ |
| (61) Patent of Addition to Application Number | :NA | 2)VEERABHATHRAN A |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides a printed circuit board for filtering high voltage/high frequency arcs in energy measurement devices. The printed circuit board comprises a top layer and a bottom layer. The top layer includes at least four traces/planes mounted thereon in parallel pattern. Each trace/plane of the four traces/planes includes pads for soldering of wires, wherein the four traces/planes connected to three-phase power lines and a neutral. The printed circuit board further includes at least one common trace/plane mounted on the bottom layer in horizontal pattern, and an insulator separating the top layer and the bottom layer thereby forming capacitor offering a capacitance determined by area of overlapping between each trace of the four traces/planes and the common trace/plane.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : COMPACT ELECTRICAL DIRECT DRIVE MOTOR OPERATOR FOR CIRCUIT BREAKER

(57) Abstract :

Disclosed is a direct drive compact size motor operating mechanism for remote operations of the circuit breakers. The mechanism provides a have high speed compact motor which is capable of operating operation of the circuit breaker in less time and matches spring energy discharge time. Further, the mechanims provides a compact motor operator having manual and auto modes with minimum component assembly and unique internally splined gear couple-decouple arrangement for effective toggling between auto and manual mode. The mechanism consists of a motor operator connected to a primary mover, wherein the energy generated by the prime mover is then transmitted to a drive shaft through a gear mechanism which basically reduces RPM and increases, torque. The prime mover and the circuit breaker are engaged through a coupler which causes the switching on and off operations of the device.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : A MECHANICAL SYSTEM FOR PREDICTING THE EROSION EXTENT OR THE REMAINING LIFE OF CONATCTS IN SWITCHING DEVICES CONSISTING OF CONTACTS IN AN ENCLOSED CHAMBER

| (51) International classification | :H01H1/00, H01H33/66 | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED |
|---|-------------------------|---|
| (31) Priority Document No | :NA | Address of Applicant :L & T House, Ballard Estate, Mumbai |
| (32) Priority Date | :NA | 400 001, STATE OF MAHARASHTRA, INDIA |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)SARASWAT, Anvita, A.; |
| Filing Date | :NA | 2)CHAUDHARI, Hemant, L.; |
| (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 mechanical system for indicating the extent of erosion of contacts in switching devices. The system comprises: an erosion indicator shaft(s) coupled with a vacuum interrupter(s) by connecting means; a coupling mechanism comprises a contact spring support and a contact spring for connecting the connecting means with a movable driving shaft; a compression spring for connecting the indicator shaft (s) with the movable driving shaft coupled with the connecting means ; a clamp means for clamping the indicator shaft(s) to a terminal; a cap means at the top of the erosion indicator shaft (s) comprises color coded bands for indicating extent of erosion of the contact (s). The system provides a leverage mechanism for indicating the erosion of the contact (s).

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR INDUSTRIALLY PRODUCING (2RS)-1-DIMETHYLAMINO-3-{2-[2-(3-METHOXYPHENYL)ETHYL]PHENOXY}PROPAN-2-YL HYDROGEN SUCCINATE MONOHYDROCHLORIDE

| (51) International classification | :C07C219/06; C07C213/10 | (71)Name of Applicant : 1)ESHYASI PHARMA LIMITED |
|---|----------------------------|---|
| (31) Priority Document No | :NA | Address of Applicant :B-7/31-32-33, KRISHNA |
| (32) Priority Date | :NA | INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT - |
| (33) Name of priority country | :NA | 390016, India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)SHAH MAHESH NATVARLAL |
| (87) International Publication No | : NA | 2)SHAH MONIK MAHESH |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

PROBLEM TO BE SOLVED: To provide a method for commercially producing a polymorphic mixture of (2RS)-l-Dimethylamino-3-{2-[2-(3- methoxyphenyl)ethyl]phenoxy}propan-2-yl hydrogen succinate monohydrochloride (Form-I and Form-II), using recrystallization means on industrial scale, which has higher content of Form-II crystals. SOLUTION: The method to produce polymorphic mixture of (2RS)-l-Dimethylamino-3-{2-[2-(3- methoxyphenyl)ethyl]phenoxy}propan-2-yl hydrogen succinate monohydrochloride using solvent based re-crystallization process involving aliphatic monocarboxylic acid and by non-solvent based re-crystallization process causing solid state crystal transition by mechanical impact or fluid energy impaction methods. Thereby providing the product having higher content of Form-II crystals.

No. of Pages : 39 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A CLICK FIT MOUNTING CLIP ASSEMBLY FOR MOUNTING DIN ENCLOSURE ON DIN RAIL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :H02B1/06, H05K7/00 :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :LARSEN & TOUBRO LIMITED L&T HOUSE, BALLARD ESTATE, P.O BOX NO. 278, MUMBAI- 400 001 STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)KAMALAKAR M |
|--|---|--|
| (87) International Publication No | : NA | IJKAMALAKAK M |
| (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 mounting clip assembly wherein an opposed pair of mounting clips is securely positioned on an electrical enclosure. The mounting clip includes an opposed pair of mating ribs and a click fit section. The electrical enclosure includes an opposed pair of receptacle portions and an opposed pair of channel sections. The mating ribs assist in positioning of the mounting clips on the electrical enclosure. The channel sections assist in positioning of the electrical enclosure on a DIN rail. The receptacle portion includes a pair of protruded sections that engages with the click fit section of the mounting clip in a first position and a second position thereby defining a primary locking arrangement and a secondary locking arrangement.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : WHEEL CHAIR POWER GENERATION UNIT (71)Name of Applicant : 1)Bhavsar Swapnil Chandrakant :A61G5/06, Address of Applicant :M-64/768 Chitrkut Apartment. (51) International classification G05G9/047. Solaroad, Naranpura, Ahmedabad- 380063 GUJARAT, INDIA (31) Priority Document No :NA 2)Jain Anjil Anvin (32) Priority Date :NA 3)Shah Parin Kamalkumar (33) Name of priority country :NA 4)Dr. Vasani Rupesh Parmanand (86) International Application No :NA (72)Name of Inventor : Filing Date :NA 1)Dr. Vasani Rupesh Parmanand (87) International Publication No : NA 2)Shah Parin Kamalkumar (61) Patent of Addition to Application Number :NA 3)Jain Anjil Anvin Filing Date :NA 4)Bhavsar Swapnil Chandrakant (62) Divisional to Application Number :NA 5)Patel Bhupendra Laljibhai Filing Date :NA 6)Vasani Manthan Hitesh 7)Ganatra Tirth Mayur

(57) Abstract :

The present invention a electric wheel chair is used and the front tyres are connected with the generator which gives mechanical energy and generator converts mechanical energy to electrical energy and the electrical energy store into battery and the battery is attached to controller, and the controller gives electrical energy to the battery and the battery can run the wheel chair.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PROCESS FOR PREPARING LACOSAMIDE USING NOVEL INTERMEDIATES

| (51) International classification | :C07C231/24 | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :NA | 1)LUPIN LIMITED |
| (32) Priority Date | :NA | Address of Applicant :159 CST ROAD, KALINA, |
| (33) Name of priority country | :NA | SANTACRUZ (EAST), MUMBAI-400 098, STATE OF |
| (86) International Application No | :NA | MAHARASHTRA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)DESHMUKH, SWAPNIL, SUDHAKAR |
| (61) Patent of Addition to Application Number | :NA | 2)SATHE, VINAYAK, RAVINDRA |
| Filing Date | :NA | 3)NEHATE, SAGAR, PURUSHOTTAM |
| (62) Divisional to Application Number | :NA | 4)GODBOLE, HIMANSHU, MADHAV |
| Filing Date | :NA | 5)SINGH, GIRIJ, PAL |

(57) Abstract :

The present invention relates to a process for the preparation of Lacosamide. The present invention also relates to novel intermediates and their use in the preparation of Lacosamide.

No. of Pages : 32 No. of Claims : 16

(21) Application No.829/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS FOR INFLUENCING A RUNNING MATERIAL WEB

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B65H23/26, B65H23/04 :102012005439.4 :20/03/2012 :Germany :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)TEXMAG GMBH VERTRIEBSGESELLSCHAFT Address of Applicant :ZEHNTENSTRASSE 17, CH - 8800 THALWIL, SWITZERLAND (72)Name of Inventor : 1)JOERG VONDERHEIDEN |
|--|--|--|
|--|--|--|

(57) Abstract :

An apparatus (1) serves to influence a running material web (2). To this end, the apparatus (1) has at least one adjustable roller (4), which deflects the material web (2). In order to improve the web running characteristics of the material web (2), the at least one roller (4) is adjustable by at least two degrees of freedom. Moreover, the at least one roller (4) is operatively connected to at least two actuators (17) such that at least one of the actuators (17) is assigned to each of the degrees of freedom.

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

(19) INDIA

(22) Date of filing of Application :19/03/2013

(54) Title of the invention : REVERSE UNIFLOW FOUR STROKE INTERNAL COMBUSTION ENGINE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :F02B25/04, F02B3/06 :NA :NA :NA :NA | (71)Name of Applicant : 1)DR. SHRAWAN RAJARAM WAGHMARE Address of Applicant :AZAD CHOWK, BUDHAWARI PETH, WARD NO -4, UMRED-441203, DIST - NAGPUR Maharashtra India (72)Name of Inventor : |
|--|---|---|
| Filing Date | :NA | 1)DR. SHRAWAN RAJARAM WAGHMARE |
| (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 :

My invention has reference to improvement in the method for converting heat energy into work for reciprocating two stroke internal combustion engine operated on constant pressure cycle or constant volume cycle or any other cycle operating same reciprocating two stroke internal combustion engine. Fig 1 is the working principle diagram of reverse uniflow engine which produced two useful power strokes by adding hot air stroke and two exhaust strokes by adding hot air exhaust stroke per injection of fuel per two revolutions of crank shaft, improve the thermal and fuel efficiency of the engine and produced less air pollution. Reverse uniflow four stroke engines produced more power and torque than uniflow two stroke engines and four stroke engines as maximum exhaust gases kinetic energy is used to the force piston downward up to the bottom dead center and release to atmosphere through exhaust port located at bottom of the cylinder block.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DOUBLE POWER SIX STROKE INTERNAL COMBUSTION ENGINE

| | :F02B75/02, | (71)Name of Applicant : |
|---|-------------|--|
| (51) International classification | F02B75/18, | 1)DR. SHRAWAN RAJARAM WAGHMARE |
| | F02F1/24 | Address of Applicant : AZAD CHOWK, BUDHAWARI |
| (31) Priority Document No | :NA | PETH, WARD NO - 4, UMRED -441203, DIST - NAGPUR, |
| (32) Priority Date | :NA | MAHARASHTRA, INDIA. |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)DR. SHRAWAN RAJARAM WAGHMARE |
| 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 :

My invention has reference to the six strokes internal combustion engine producing two power stroke without using external supply of heat or water has a secondary fuel. In cyclic operation intake and exhaust valve to exchange the gases open one time to reduce the friction losses and increasing the engine specific power output. Heat lost to combustion chamber during combustion of fuel is used to produce power stroke per injection of fuel, rotated the crank shaft three revolutions. Increasing thermal and fuel efficiency than four stoke and two engines engine reduced the air pollution. The cyclic path for my six stroke internal combustion engine 1) suction 2) compression 3) heat addition from hot combustion chamber region and power stroke 4) same air compression in the same cylinder and heat addition by combustion of fuel 5) power stroke 6) west gases exhaust stroke.

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

(19) INDIA

(22) Date of filing of Application :14/03/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR CONTAINING AND DISPENSING FLUID FOOD FLAVOUR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :A23G9/16, A23G9/24 :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)GAMBHIR, Gaurav Address of Applicant :E-1 - 202, HYDE PARK, BHD HIRANANDANI MEADOWS, OFF GODBUNDER ROAD, THANE W, MAHARASHTRA, INDIA. (72)Name of Inventor : 1)GAMBHIR, Gaurav |
|--|--|--|
| (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 in a preferred embodiment provides systems and methods for containing and dispensing fluid food flavour over food articles, the system comprising: a chamber capable of containing fluid food flavour with one or more apertures at its base region; a push arrangement on the upper region of the chamber; wherein on enabling the push arrangement, there is an exertion of physical force on the fluid food flavour, due to which the fluid food flavour is capable of being dispensed through said one or more apertures at the base region of the chamber.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : IMPROVED INTERLOCK ASSEMBLY FOR A SWITCHING DEVICE IN MOTOR CONTROL CENTER

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :NA :NA :NA | (71) Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T HOUSE, BALLARD ESTATE, MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA |
|---|-------------------|---|
| (86) International Application No Filing Date | :NA :NA | (72)Name of Inventor : 1)KHATUA, NILOY |
| (87) International Publication No | : NA | 2)MISTRY, BHARAT, N |
| (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 generally to an arrangement for circuit protection. More particularly, the present invention relates to an improved interlock assembly for a switching device in motor control center to prevent manual error and hazardous situation during withdrawals and insertion of module. This invention finds its application in Motor Control Center, Switchboard where any Short Circuit Protection Device (SCPD) or switching device is mounted in module Chassis. Interlock plate is connected with interlock lever and mounted such that 90° rotation of a handle shaft of a switching device adapted to provide a rotation of +45° to -45° of the interlock lever and vice versa in 360° quadrant system for almost linear rotation of interlock plate.

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

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PORTABLE APPARATUS FOR TREATMENT OF WATER AND 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 | :NA :NA :NA :NA | (71)Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA. (72)Name of Inventor : 1)PATIL, RAJSHREE AMRUT 2)AHMAD, DILSHAD 3)MALHOTRA, CHETAN PREMKUMAR |
|--|--------------------------|---|
| (62) Divisional to Application Number | :NA | 3)MALHOTRA, CHETAN PREMKUMAR |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides a portable apparatus for treatment of water. The portable apparatus comprises an elongated rod. The elongated rod further comprises a pad matrix coupled to a pad holder. The pad matrix may comprise at least one disinfectant and may be recharged for a number of times at a time of re-plugging into a casing. The casing recharges the pad matrix by means of a chemical tablet, a permeable membrane and an elastic means. The pad matrix coupled to the elongated rod is stirred in water and releases a predefined amount of disinfectant into the water such that the released disinfectant maintains a predefined concentration and inactivates microbial contamination present in the water.

No. of Pages : 36 No. of Claims : 34

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICES POWERED BY THINKING CIRCUIT (51) International classification :H02M7/02 (71)Name of Applicant : **1)BANGAR MUKESH RAJU** (31) Priority Document No :NA (32) Priority Date :NA Address of Applicant BLOCK NO. 109. WARD NO. 10. (33) Name of priority country WANJARI FAIL, YAVATWAL, PIN 445001 Maharashtra India :NA (86) International Application No (72)Name of Inventor : :NA **1)BANGAR MUKESH RAJU** 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 term neural network was traditionally refers to a network or circuit of biological neurons. Biological neural networks are made up of real biological neurons that are connected or functionally related in a nervous system. In the field of neuroscience, they are often identified as groups of neurons that perform a specific physiological function. Thinking circuit is a biological neural network but primarily we can simulate it in artificial neural network which can be use in artificial intelligence. The mechanism of thinking circuit is based on comparison of one type of data with other type of data by means of third type of data. Thinking circuit comprises with many screens i.e. visual, audio, olfactory, gustatory, somatic, motor, total understanding screen, thinking screen, output screen, bridge &init|ator. There is one rigid screen which is important part of thinking circuit. These screens are connected to each other in a specific pattern or algorithm such that they can perform thinking process. These algorithms can be embedded in computer or Robotic system.

No. of Pages : 10 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :20/03/2013

(54) Title of the invention : ELECTRIC PEDAL RICKSHAW

(57) Abstract :

The present invention a normal pedal rickshaw is converted into electrical pedal rickshaw with the help of a specially design unit. The electric motor is connected with the chain drive so that the human effort is reduced and the electric driven pedal rickshaw can be used by us.

No. of Pages : 10 No. of Claims : 3

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : 'A STANDALONE PORTABLE DEVICE FOR DETECTING AND REMOVING VIRUS OR MALWARE OR SPYWARE'

| (51) International classification:G06H(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 | F21/00 (71)Name of Applicant : Trans - Innovation Technologies Pvt. Ltd Address of Applicant :A-11, Nandan Apartment, Opp. Rajsuya Bunglows, Ramdevnagar Satellite, Ahmedabad 380 053 Gujarat India (72)Name of Inventor : Rayal Rajkumar Krushnakumar |
|---|--|
| Filing Date :NA | |

(57) Abstract :

The present invention relates to a portable standalone virus removing device (1) to remove virus or malware or spyware from a data storage device (2) or from any digital data channel device (7). Said device (1) consists of a processing unit (3), an inbuilt or external power source (5) to supply power to said processing unit and a data port receptacle (6) for interfacing at least one infected digital data storage device or digital data channel device with the device (1). Said processing unit reads the entire file system stored on said data storage device or data channel device. After reading all such files, the processing unit searches and identifies malicious executable files with extensions that belong to virus or malware or spyware and pre-emptively deletes such files without repairing or attempting to repair the files in order to achieve much faster execution.

No. of Pages : 19 No. of Claims : 8

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ECOFRIENDLY WATER DISPERSIBLE GRANULAR FORMULATION AND MANUFACTURING PROCESS FOR SULFUR

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | A01N41/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)CROP LIFE SCIENCE LIMITED Address of Applicant :209, PRIMATE NEAR JUDGES BUNGLOW CROSS ROAD, BODAKDEV, AHMEDABAD - 380 015, GUJARAT, INDIA (72)Name of Inventor : 1)LUNACCAPLA DA LISCU VIDA II AL |
|--|---------------------------------------|--|
| Filing Date (87) International Publication No | :NA : NA | 1)LUNAGARIA RAJESH VRAJLAL 2)LUNAGARIA ASHVIN RAVJIBHAI |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A water dispersible granular formulation comprising sulfur and a process for the preparation thereof.

No. of Pages : 15 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :13/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MODIFIED DYNAMIC CONE PENETROMETER.

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :G01N33/42, G01N3/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)PATEL MUKESHKUMAR AMRUTLAL Address of Applicant :PLOT NO.: 310/2, MANGALMURTI PARK, SECTOR-8, GANDHINAGAR, PIN CODE: 382007, GUJARAT, INDIA (72)Name of Inventor : |
|--|---|--|
| (87) International Publication No | :NA : NA | 1)PATEL MUKESHKUMAR AMRUTLAL |
| (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 modified dynamic cone penetrometer (DCPM). More particularly, the present invention relates to a modified dynamic cone penetrometer and method of employing the penetrometer in testing the strength of soils. In particular, the invention pertains to a penetrometer useful for both high strength granular road and airfield pavement layers and relatively weak underlying subgrade type soils.

No. of Pages : 27 No. of Claims : 9

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : ACTUATOR FOR UNDER-VOLTAGE RELEASE & SHUNT RELEASE IN MOULDED CASE CIRCUIT BREAKER

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :H01H73/38, H01H83/12, H01H83/20 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, Mumbai 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)KANADE, Omkar; 2)GUPTA, Mukul; 3)PHILIP, Anoop; |
|---|--|---|
|---|--|---|

(57) Abstract :

The present invention provides an assembly for under-voltage release & shunt release in a moulded case circuit breaker. The assembly comprises: an under-voltage release accessory and/or a shunt release accessory comprises at least two terminal for connected input wire (s); a tripper plate having an interface feature; an actuator means having an accessory interface means, a spring mounting means, a trip plate interface means, an accessory insertion interface means, and a resetting interface means, facilitating interfacing with the under-voltage release & shunt release accessory. The actuator means providing ON, OFF and tripping mechanism of the circuit breaker in combination with the under-voltage release accessory and/or shunt release accessory.

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

(19) INDIA

(22) Date of filing of Application :19/03/2013

(54) Title of the invention : VIDEO PLAYER FOR MONETARY TRANSACTIONS

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :G06Q20/00 :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)AMIT KUMAR JAIN Address of Applicant :F 1402, ROYAL CLASSIC BUILDING, LINK ROAD, ANDHERI WEST, MUMBAI- 400053. Maharashtra India (72)Name of Inventor : |
|--|--|---|
| (87) International Publication No | : NA | 1)AMIT KUMAR JAIN |
| (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 implements a method of using a video player for making monetary transactions comprising: capturing/recording, storing, processing, sending, receiving, tagging, playing/displaying videos or image data on a user electronic device; using said video player for making monetary transactions using said videos and related data and an associated service that processes, authenticates and performs monetary transactions making use of said videos ; and identifying, processing and disabling said videos meant for making monetary transactions; capturing , processing and storing biometric information from said videos and sending said information along with said video as metadata to a server associated with said service. Said biometric information is sent along with said video player to said server wherein said server performs an authentication of said video and upon successful authentication of successful authentication on said user electronic device. In the case of an unsuccessful authentication, a notification of said successful authentication on said user electronic device. Upon a successful transaction monetary transaction is sent from said server to said user electronic device , and said video player displays the notification of successful authentication on said user electronic device. Upon a successful transaction monetary transaction is sent from said server to said user electronic device , and said video player displays the notification of successful monetary transaction is sent from said server to said user electronic device , and said video player displays the notification of successful monetary transaction is sent from said server to said user electronic device , and said video player displays the notification of successful monetary transaction is sent from said server to said user electronic device , and said video player displays the notification of successful monetary transaction is sent from said server to said user electronic device and said video player displays the notification of success

unsuccessful monetary transaction, a notification of unsuccessful monetary transaction is sent from said server to said user electronic device and said video player displays the notification of said unsuccessful monetary transaction on said user electronic device.

No. of Pages : 16 No. of Claims : 14

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : A MODULAR SAFETY DEVICE FOR DISCONNECTION OF ELECTRICAL SUPPLY IN DISTRIBUTION BOARD

(57) Abstract :

The present invention relates to a modular device for tripping of the tripper or aurum thereby tripping the supply when shield/cover of distribution boards/panels is attempted to be opened or opened. The device comprises a tripping mechanism which comprises a push-pull link (1) mounted on a shield or a cover of the distribution board, connecting link (2) pivotally mounted on said shield or cover, a mechanism slider (3) connected to the connecting link through a pin (9), a spring rest (4) and a spring (5) mounted on said spring rest.

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

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : A DEVICE FOR BENDING LOCK PLATES OF A FLYWHEEL 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 | F16F15/30 :NA :NA :NA :NA :NA : NA :NA | (71)Name of Applicant : 1)TATA MOTORS LIMITED Address of Applicant :Bombay House, 24 Homi Mody Street, Hutatma Chowk, Mumbai 400 001, MAHARASHTRA, INDIA. (72)Name of Inventor : 1)VAIJ SANJAY YASHAWANT 2)KALE SANDEEP DINKARRAO |
|--|---|---|
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present disclosure is related to a device (10) which is made for the purpose of bending the lock plates (6) of a flywheel (7). In the engine assembly area, the flywheel (7) is placed on end of crank shaft (8) in proper position (i.e. at TDC), then the lock plates (6) are placed over the holes and all the eight bolts (5) are tightened with the help of a nut runner. After tightening the bolts (5) with proper torque, the device (10) is placed on the lock plates (6) ensuring the position marked on the device (10). The device (10) is then rotated in clockwise as well as in anti-clockwise directions with the help of the nut runner and the lock plates (6) are bent in 90° flushing to the flat surface of the bolt (5) as per requirement.

No. of Pages : 15 No. of Claims : 9

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : A SYSTEM COMPRISING A MECHANISM FOR ACTUATION AND RESETTING OF THERMO-MAGNETIC RELEASE

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :H02H3/08, H02H5/04 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L & T House, Ballard Estate, Mumbai 400 001, STATE OF MAHARASHTRA, INDIA (72)Name of Inventor : 1)NAGARJUN, Kapu; 2)DHONGADE, Dnyaneshwar; |
|---|---|---|
|---|---|---|

(57) Abstract :

The present invention provides a system for actuation and resetting of a thermo-magnetic release in circuit breaker(s),. The system comprises: a mechanism assembly comprises a mechanism link assembly and a rotatable fork with an angled bend cam profile, connected to a single pole assembly of the circuit breaker; a thermal magnetic release link riveted to the mechanism link assembly a thermal magnetic release assembly comprises a lever for dispensing a trip signal from the thermal magnetic release assembly to a delatcher of the mechanism assembly, a thermal magnetic release latch system for latching and delatching the lever for with the mechanism assembly for resetting of the circuit breaker. The fork exerting force on the thermal magnetic release link, therefore provides a tangential force to the lever for resetting the thermal magnetic release in the circuit breaker.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DOUBLE BREAK CIRCUIT BREAKER WITH IMPROVED ARC QUENCHING

| (51) International classification | :H01H73/00 | (71)Name of Applicant : |
|---|------------|---|
| (31) Priority Document No | :NA | 1)LARSEN & TOUBRO LIMITED |
| (32) Priority Date | :NA | Address of Applicant :LARSEN & TOUBRO LIMITED L&T |
| (33) Name of priority country | :NA | HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 |
| (86) International Application No | :NA | 001, STATE OF MAHARASHTRA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)NAYAN BHUPENDRA DEGDA |
| (61) Patent of Addition to Application Number | :NA | 2)PRAGYAN PARAMITA BEURA |
| Filing Date | :NA | 3)SWATIBEN G. SAVALIYA |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is an arc quenching device having improved current limitation and reduced heat losses, in the case of which the de-ion plates are prevented to increased erosion and wear. For this purpose, a quenching path according is provided which takes over an arc from runner rails to an arc chute. Based on circuit breakers with double interruption, the looped arc runners with specific profile, adds resistance to the short circuit current in order to limit the fault current.

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTRO-MAGNETIC ACTUATING SYSTEM FOR CIRCUIT BREAKERS

| (51) International classification | :H01H33/66 | (71)Name of Applicant : |
|---|------------|---|
| (31) Priority Document No | :NA | 1)LARSEN & TOUBRO LIMITED |
| (32) Priority Date | :NA | Address of Applicant :LARSEN & TOUBRO LIMITED L&T |
| (33) Name of priority country | :NA | HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 |
| (86) International Application No | :NA | 001, STATE OF MAHARASHTRA, INDIA |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)SWATI G SAVALIYA |
| (61) Patent of Addition to Application Number | :NA | 2)PRAGYAN BEURA |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is an electro-magnetic actuating system for circuit breakers. The electromagnetic actuating system comprises a moving core capable of moving vertically, a plunger capable of being propelled by the moving core, a magnetic frame having an upper bend and a lower bend, a coil welded to the magnetic frame in a space provided by the upper bend of the magnetic frame and a spring. The current path between the upper bend and the lower bend contributes in completing effective turn of the coil as current flows through the coil, which in turn helps in producing more flux.

No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR MANUFACTURING ARTIFICIAL NAILS AND ARTIFICIAL NAILS MANUFACTURED BY THE METHOD

| (51) International classification | :A45D31/00 | (71)Name of Applicant : |
|---|-----------------------|--|
| (31) Priority Document No | :10-2012- 0127922 | 1)CHANG, SUNG YONG Address of Applicant :32 Schoolhouse Lane, Roslyn Heights, |
| (32) Priority Date | :13/11/2012 | New York 11577, United States of America |
| (33) Name of priority country | :Republic of Korea | (72)Name of Inventor : 1)CHANG, SUNG YONG |
| (86) International Application No | :NA | |
| Filing Date | :NA | |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

Disclosed is a method for manufacturing artificial nails, each of which includes a cuticle end to be attached to the cuticle of a fingernail and a free edge disposed opposite the cuticle end. The method includes: a preparation step of supplying a film including a planar design surface and a bent support surface formed opposite the design surface; a design step of forming artificial nail patterns on areas of the design surface of the film defined by first end portions formed at the cuticle ends and second end portions formed at the free edges, the artificial nail patterns being formed such that the first end portions and the second end portions are formed at locations where the cuticle ends are smaller in thickness than the free edges; and a body molding step including a molding operation of forming the film into three-dimensional shapes in shaping molds including a plurality of artificial nail casts with fingernail shapes and reference plates connecting the artificial nail casts, and a cutting operation of cutting the film formed with a plurality of fingernail shapes into the individual fingernail shapes by a cutter located above the shaping molds. According to the method, the wearability of the artificial nails can be improved and the strength of the tips of the artificial nails can be maintained. In addition, various patterns can be applied to the artificial nails during the design printing.

No. of Pages : 29 No. of Claims : 21

(22) Date of filing of Application :27/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TECHNIQUES FOR ENHANCING NUTRIENTS AND PHYTOCHEMICALS IN A PLANT/PLANT PARTS

| (51) International classification(31) Priority Document No | :C12N15/00 :NA | (71)Name of Applicant : 1)Anuradha Maniyam |
|---|-------------------|--|
| (32) Priority Date | :NA | Address of Applicant :# 2365, 1st Floor, 19th Cross |
| (33) Name of priority country | :NA | Banashankari 2nd Stage, Bangalore 560070, Karnataka, India |
| (86) International Application No | :NA | 2)Subbanarashimhan Balasubramanya |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)Anuradha Maniyam |
| (61) Patent of Addition to Application Number | :NA | 2)Subbanarashimhan Balasubramanya |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

In one aspect of present invention, multiple plant shoots are generated using micro propagation. Each shoot is implanted in a gel medium. The shoot and the gel medium are placed in a closed cover and formulated solution is injected to the gel medium in the cover, and the shoot is allowed to grow into a plant inside the cover for a first period of time. In one embodiment, the formulated solution comprises a target nutrient and enhancer. In another embodiment, the plant is dried and the nutrients and phytochemicals in the plants are extracted. In another aspect of present invention, an organic extract comprises a first compound comprised in a first plant and a second compound comprised in the first plant, and the first plant is grown in an autoclavable cover for a first period of time, and a formulated solution comprising the second compound and an enhancer is injected into the autoclavable cover.

No. of Pages : 29 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : FEEDBACK/FEED FORWARD SWITCHED CAPACITOR VOLTAGE REGULATION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)LSI CORPORATION Address of Applicant :1320 Ridder Park Drive, San Jose, CA 95131, United States of America (72)Name of Inventor : 1)NAVEEN KUMAR CANNANKURICHI VIJAYA |
|--|----------------------------------|--|
| (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 | MOHAN 2)ANKUJ KESHWANI 3)RICKY F. BITTING 4)SAUMEN MONDAL |

(57) Abstract :

A method of controlling a switched capacitor voltage regulator includes modifying a topology factor associated with the switched capacitor voltage regulator in response to a change in output voltage associated with the switched capacitor voltage regulator, thereby maintaining an average output voltage associated with the switched capacitor voltage regulator. The method also includes modifying a loop delay associated with the switched capacitor voltage regulator in response to a change in operational frequency associated with the switched capacitor voltage regulator. A corresponding feedback/feed forward switched capacitor voltage regulator, controller, computer-readable medium, and voltage regulation system are also disclosed.

No. of Pages : 51 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :05/06/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : WIND TURBINE USING FRICTION DRIVE WITH MATCHING TAPERED PROFILES

| | E02D11/00 | |
|---|----------------|---|
| (51) International classification | :F03D11/00 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)VALAGAM RAJAGOPAL RAGHUNATHAN |
| (32) Priority Date | :NA | Address of Applicant :OLD NO: 6, NEW NO:62, 12TH |
| (33) Name of priority country | :NA | AVENUE, ASHOK NAGAR, CHENNAI - 600 083 Tamil Nadu |
| (86) International Application No | :NA | India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)VALAGAM RAJAGOPAL RAGHUNATHAN |
| (61) Patent of Addition to Application Number | :1829/CHE/2013 | |
| Filed on | :25/04/2013 | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A wind turbine with matching tapered friction drives for constantly maintaining a relative speed between a tapered main driving means and tapered rolling means to eliminate a variable slip along a line of contact and generate power, the said wind turbine comprises of at least one tapered main driving means(l), a rotor assembly (4), a tower assembly(5), plurality of moving means(6), plurality of supporting means(7), plurality of generators(2) with shaft (9) and plurality of tapered rolling means (3), - the said rotor assembly (4) is rotatably mounted on the static tower assembly (5), - the said tapered main driving means (1) attached with the rotor assembly(5) via its centre rotating axis, - the plurality of said generators (2) movably secured around the said tower assembly(5) near the said main driving means (1) by means of plurality of said supporting means (7) and said moving means(6), - each said tapered rolling means(3) rigidly attached with each said shaft (9) of each generators(2) and each said tapered rolling means (3) rotatably and frictionally matched with the said tapered main driving means(I), - at least one said moving means (6) placed between each said generator (2) and supporting means (7), - wherein, the said tapered main driving means (1) is configured to transfer optimum energy to the said tapered rolling means (3) thereby increasing the efficiency of the power generation, - the said tapered rolling means (3) of the generator (2) and the said moving means (7) are configured to press the said tapered main driving means (1) for providing frictional engagement along the line of contact and sharing gravitation load of the said rotor assembly (4) via line of contact of each tapered rolling means (3) and tapered main driving means (1) thereby achieving stability and improved dynamic characteristics, wherein, the said line contact region of the said tapered main driving means comprises of plurality of contact points (A to B) and each contact points engaged with corresponding matching contact points (C to D) (fig 1) of the said tapered rolling means (3) while power generation for maintaining relative speed between a tapered main driving means (1) and tapered rolling means (3) thereby eliminating a variable slip along the line of contact, - wherein, the said initial contact point (A) and final contact point (B) of the said tapered main driving means (1) are having a radius from the said centre rotating axis Rj and Rn and corresponding contact points (C) and (D) of the said tapered rolling means (3) having a radius from centre rotating axis of generator r, and rn respectively, - wherein the said contact points (A) and (B) are having the linear velocity ωR , and ()Rn, and the said contact points (C) and (D) are having the linear velocity ωg r, andωg rn, - wherein, the said radius ratio R1 and R2 of the said contact points (A) and (B) of the said tapered main driving means (1) are equal to radius ri and rn of matched contact points (C) and (D) of the said tapered rolling means (3) thereby enabling relative speed and eliminating the said variable slip along the line

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

(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEADLOCK DETECTION AND RECOVERY IN SAS (51) International classification :G06F13/00 (71)Name of Applicant : 1)LSI CORPORATION (31) Priority Document No :NA Address of Applicant :1320 RIDDER PARK DRIVE, SAN (32) Priority Date :NA (33) Name of priority country JOSE, CALIFORNIA 95131 U.S.A. :NA (86) International Application No :NA (72)Name of Inventor : Filing Date :NA 1)VIDYADHAR PINGLIKAR (87) International Publication No : NA 2)SHANKAR T. MORE (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Systems and methods herein provide for managing devices through a Serial Attached Small Computer System Interface (SAS) expander. The SAS expander includes a processor adapted to detect deadlock conditions in a SAS environment. In one embodiment, the SAS expander is operable to detect an Open Address Frame associated with a connection request from a source device to a destination device. The Open Address Frame includes a source address and a destination address associated with the source device and the destination device, respectively. The expander receives an arbitration in progress status on a partial pathway that is associated with the connection request. The expander is further operable to modify the Open Address Frame to include a deadlock indicator and forward the modified Open Address Frame on the partial pathway. When the modified Open Address Frame is received, the expander initiates pathway recovery upon determination that the deadlock indicator is valid.

No. of Pages : 27 No. of Claims : 20

(22) Date of filing of Application :03/06/2013

(54) Title of the invention : AN ACTUATOR FOR SWITCHING TRANSMISSION IN A VEHICLE BETWEEN MANUAL MODE AND AN AUTOMATED MANUAL MODE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :F16H61/00 :NA :NA :NA :NA :NA : NA :NA :NA | (71)Name of Applicant : 1)ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED Address of Applicant :123, INDUSTRIAL LAYOUT, HOSUR ROAD, KORAMANGALA, BANGALORE - 560 095 Karnataka India 2)ROBERT BOSCH GMBH (72)Name of Inventor : 1)AMAR GURURAL DESAI |
|--|---|--|
| (61) Patent of Addition to Application Number Filing Date | | (72)Name of Inventor : 1)AMAR GURURAJ DESAI |
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| | | 1 |

(57) Abstract :

An actuator (100) for switching the mode of transmission in a vehicle between a manual mode and an automated manual mode is disclosed. The actuator (100) comprises a primary gear (102), a first gear (104), a second gear (106), a pivotable rocker arm (110) with a third gear (112) and a fourth gear (114), a spring (120), a transmission mode selection switch (116), a cable (118), an electric motor (108), and a control unit (124). Based on the rider requirement to operate the vehicle in either a manual mode or an automated mode the position of the rocker arm (110) is controlled. In automated mode the control unit (124) drives the motor (108) to achieve the desired gear ratio whereas in manual mode the rider can have manual control by a gear shift lever (105).

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

(19) INDIA

(22) Date of filing of Application :03/06/2013

(54) Title of the invention : A DEVICE AND METHOD FOR OPHTHALMIC CHARACTERIZATION AND 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 | :A61F9/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED Address of Applicant :123, INDUSTRIAL LAYOUT, HOSUR ROAD, KORAMANGALA, BANGALORE - 560 095 Karnataka India 2)BOSCH LIMITED 3)ROBERT BOSCH GMBH (72)Name of Inventor : 1)NAKUL GOSWAMI 2)HARSHA ANGERI |
|--|--|---|
|--|--|---|

(57) Abstract :

The present invention discloses a device (10) and method for ophthalmic testing. The device includes a means for projecting (12) a light pattern inside a human eye (E). An image capturing means (16) captures an image of the pattern projected inside a human eye (E). An image processing means (18) compares the original light pattern and the projected light pattern captured within human eye (E). The image processing means (18) is adapted to identify presence of any deformations in said projected light pattern captured within the eye (E). A topology creation means (20) reconstructs the inner topology (22) of the human eye (E) based on said deformations identified by the image processing means (18). The device (10) may further determine the defects in the structure and operation of the eye (E) based on the reconstructed inner topology of eye (22).

No. of Pages : 13 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :03/06/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A DEVICE AND METHOD FOR AUTHENTICATION IN ACCESS CONTROL SYSTEMS

| (51) International classification | :H04N | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)ROBERT BOSCH ENGINEERING AND BUSINESS |
| (32) Priority Date | :NA | SOLUTIONS LIMITED |
| (33) Name of priority country | :NA | Address of Applicant :123, INDUSTRIAL LAYOUT, |
| (86) International Application No | :NA | HOSUR ROAD, KORAMANGALA, BANGALORE - 560 095 |
| Filing Date | :NA | Karnataka India |
| (87) International Publication No | : NA | 2)ROBERT BOSCH GMBH |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)PRANAVA TRIPATHI |
| (62) Divisional to Application Number | :NA | 2)HARSHA ANGERI |
| Filing Date | :NA | |

(57) Abstract :

The present invention discloses a device and method for authentication in an access control system. A device and method for generating a code for authentication in an access control systems is disclosed. The device for generating the code for authentication generates a code using the unique information corresponding to a user, a time stamp and a pattern for appearing or disappearing of the code on a display of a mobile device of the user. The code has a predefined validity period after which it disappears from the display in the selected pattern. An authentication device reads the code displayed on the mobile device and extracts the unique user information and the time stamp. The code appearing pattern and disappearing pattern is also read from the code and is compared with the actual code appearing and disappearing pattern as observed by the image capturing means. The code is displayed only for the time validity as decided by the code generating device. Only when the unique user information, the time stamp and the code appearing and disappearing and disappearing and disappearing bettern are verified the user authentication is said to be complete and access is granted.

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

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARTION OF AMORPHOUS RIFAXIMIN

| CADE, |
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| ARAM, |
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(57) Abstract :

The present invention relates to an improved process for the preparation of Rifaximin. More particularly the present invention relates to the preparation of amorphous form of Rifaximin.

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

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : INNOVATIVE NEO FINGER ADOPTABLE TOOTH BRUSH WITH RINGS

| (51) International classification (31) Priority Document No (32) 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 :NA :NA :NA : NA | (71)Name of Applicant : 1)RAVISHANKAR. S.S. Address of Applicant :330, OMBR LAYOUT,4thCR II E MAIN, BHUVANAGIRI, BANGALORE - 560 033 Karnataka India (72)Name of Inventor : 1)RAVISHANKAR. S.S. |
|--|---|--|
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Finger Adoptable Toothbrush with Rings The present invention generally refers to therapeutic and cosmetic product, specially designed to control and eradicate tartar and plaque formation from teeth along with cleaning and polishing of teeth and gums in particular and improve oral health in general. This new speciality tooth brush with ring shaped clasps hold the finger firmly while brushing teeth to give a convenient and comfortable brushing experience with satisfaction. The regular use assists and helps in controlling and eradicating teeth and gum related deceases arising out of bad teeth management.

No. of Pages : 15 No. of Claims : 8

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTRIC CURRENT SWITCHING APPARATUS (51) International classification :H01H9/00 (71)Name of Applicant : (31) Priority Document No 1)ABB OY :12171421.6 (32) Priority Date Address of Applicant :STROMBERGINTIE 1, FI-00380 :11/06/2012 (33) Name of priority country HELSINKI Finland :EPO (86) International Application No (72)Name of Inventor : :NA Filing Date :NA 1)MATTLAR. HARRI (87) International Publication No : NA 2)VALIVAINIO, MIKKO (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 rotary switch module, comprising a first stationary contact (110) and a second stationary contact (112), and a movable contact (130) for making an electrical connection between the first station¬ary contact (110) and the second stationary contact (112), the switch comprising a rotary actuator (120) for rotating the movable contact (130). The rotary actuator (120) com¬prises on its surface a first indication (123) indicating an open position of the switch, and a second indication (125) indicating a closed position of the switch, the switch mod¬ule comprising a first window (104) indicating the first indi¬cation (123), and a second window (106) separate from the first window (104) indicating the second indication (125).

No. of Pages : 32 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A SYSTEM AND METHOD FOR ESTIMATING SOC AND SOH OF A BATTERY

(57) Abstract :

A method for estimating a State-Of-Charge and a State-Of-Health of a battery is provided. The method includes (i) receiving, at a calculation unit, a voltage value and a current value sensed in a sensor unit at a predefined intervals, (ii) estimating (a) a current discharge time (Ti) for the current value and (b) a voltage discharge time (Tv) for the voltage value, (iii) estimating the SOC based on an maximum SOC, the current value (I), and the voltage discharge time and (iv) estimating the SOH based on the SOC.

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

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SECURE AUTHENTICATION MODEL FOR ATM SERVICES-THE IPV6 WAY

| (86) International Application No Filing Date (87) International Publication No (87) International Publication No (87) International Publication Number (87) In | (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 :NA | |
|--|---|--|--|
|--|---|--|--|

(57) Abstract :

The main purpose of this model is to provide a secure authentication mechanism for the ATM Services by introducing a trusted third part agent and propose a solution to reduce the complexity involved in terms of transactions by realization of the ATM Services - The IPv6 way. The primary aspect of this work is to provide an introduction towards the architectural design of a dual-fold authenticated agent-monitored transaction model. ATM systems provide the facilities of withdrawing currency at any remote terminal, verification of the end users identity using Personal Identification Number and an authentic One-Time-Session-Dependent Key generation and validation through the mobile. This system requires building up of a trusted third party agent which would establish a secure session to the bank application with the terminal only after a series of authentication mechanism without compromising the privacy of any individual. The customers, without any insider privileges, can withdraw currency without being detected by any mechanisms of theft of card and eaves dropping of the Password from the card holders within the terminal software are also a major threat yet to be addressed. A basic solution is the terminals having dual-fold authentication mechanisms where mobile dependent one time session dependent key is being generated with authenticity being ensured and the confidentiality being maintained. The customers are given a chance to authorize themselves from their hand-held devices and are allowed to withdraw currency in terminal only after their identity is proved by a series of authentication procedures. The secondary aspect aims at realization of the Automated Teller Machine network all around the globe using the IPv6. The complexity and the total number of transactions that is involved in the entire process of cash withdrawal are reduced. But the major challenge involved in connecting ATM network to public domain is the security. A Near-Field Communication (NFC) is proposed to be used where in the user, after inserting ATM Card, would communicate via only their NFC enabled mobile phones. Reserving NFC spectrum band to the government is proposed to be made mandatory for ensuring no eavesdropping. Also the proposed technique would help in achieving a unified interface for ATM terminals among all the financial institutions. A prior establishment of session is made between a trusted third party application and the ATM terminals, wherein the ATM card is checked for its validity and a session is established between the ATM terminal and the financial institutions server after the process of validation. The server then sends the registered mobile number of the swiped ATM card, wherein ATM Terminals invoke NFC with that mobile of the user. Thereafter all the communication is between mobile and the server via the ATM terminals ensuring authenticity and confidentiality with the use of secret key. Data is encrypted using this key which is valid for a single session. Hashing application is pre-installed which acts as an additional level of security. Using this technique, an ATM terminal can connect to any bank server in the world, directly, reducing huge network traffic and also providing scope to include other non-financial services as offerings.

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

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : OPENING TRIM HOLDING STRUCTURE OF SIDE SILL SCUFF PLATE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :B60J5/04 :2012- 233681 :23/10/2012 :Japan :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken, Japan (72)Name of Inventor : 1)Gouki ATA |
|--|--|--|
| (62) Divisional to Application Number Filing Date | :NA :NA :NA | |

(57) Abstract :

To prevent collapse and displacement of a side sill scuff plate and thereby maintain favorable appearance quality by providing a continuous holding effect without increasing the number of hook portions. [Solution] An opening trim 3 is mounted to a peripheral edge of a door opening portion 2, a side sill scuff plate 4 is provided at a lower portion of the door opening portion 2, an end portion of the side sill scuff plate 4 on a vehicle exterior side is mounted to an upper portion of the opening trim 3 in an overlapped state, claw-like hook portions 42 are provided projecting at a plurality of positions on a back surface of the side sill scuff plate 4 at an interval, adjacent hook portions of the claw-like hook portions 42 are coupled together via a rib 43 that extends along a longitudinal direction of the side sill scuff plate 4, an engaging hole 51 of a scuff clamp 5 with which the hook portion 42 is engaged is provided on the lower portion side of the door opening portion 2, the rib 43 is brought into abutment against a flexible lip 35 of the opening trim 3, and the hook portion 42 is pressed in a direction to be engaged with the engaging hole 51 by a reaction force caused by an elastic force of the flexible lip 35.

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

(19) INDIA

(22) Date of filing of Application :05/06/2013

(54) Title of the invention · WORLD POWER

(43) Publication Date : 30/01/2015

| :G06K9/00 | (71)Name of Applicant : |
|-----------|--|
| :NA | 1)JERSHA FELIX. V |
| :NA | Address of Applicant :2/909, GANDHINAGAR EXTN, |
| :NA | MOOKANDAPALLI, HOSUR - 635 126 Karnataka India |
| :NA | (72)Name of Inventor : |
| :NA | 1)JERSHA FELIX. V |
| : NA | |
| :NA | |
| :NA | |
| :NA | |
| :NA | |
| | :NA :NA :NA :NA :NA :NA :NA :NA |

(57) Abstract :

Many people wear reading glasses to read text that are small in size. When they have to read some text in mobile phones or in computers they need to wear their glasses. So when a person gets a call, first he has to wear his reading glasses and then only he can identify the person calling him. But in case of computers a different problem arises. Reading a book and reading some text in computer are totally different, most notably in terms of distance. This is easy to observe in practice. Most people read with their arms bent slightly, meaning the book is around 8 inches from the eyes. For both visual and ergonomic reasons a computer screen should be at arms length from the reader, which can be as much as twice as far away as book reading distance. This requires a dramatically different level of magnification. An approach of automatic adjustment of text size by monitors or mobile phones for different people according to their eye defect and viewing distance is proposed in this paper. By the use of electronics and software platform this work provides a global solution for the above listed problems, irrespective of which device they use or whether they have used that device before or not.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :30/08/2012

(43) Publication Date : 30/01/2015

(54) Title of the invention : 7-BENZYL-4-HYDRAZINYL-5,6-DIMETHYL-2-PROPYL-7H- PYRROLO [2,3-D] PYRIMIDINE AS POTENT ANTIMYCOBACTERIALAGENT

| | | (71)Name of Applicant : |
|---|------------|--|
| | | 1)MAILAVARAM RAGHU PRASAD |
| | | Address of Applicant : PROFESSOR & HOD, |
| (51) International classification | :a61k31/00 | DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, SHRI |
| (31) Priority Document No | :NA | VISHNU COLLEGE OF PHARMACY, VISHNUPUR, |
| (32) Priority Date | :NA | BHIMAVARAM, WEST GODAVARI DISTRICT, ANDHRA |
| (33) Name of priority country | :NA | PRADESH - 534 202 India |
| (86) International Application No | :NA | 2)DEVARAKONDA S S G P M V R MURTY |
| Filing Date | :NA | 3)SHAIK KHASIM |
| (87) International Publication No | : NA | 4)PRAN KISHORE DEB |
| (61) Patent of Addition to Application Number | :NA | 5)VEDULA GIRIJA SASTRY |
| Filing Date | :NA | (72)Name of Inventor : |
| (62) Divisional to Application Number | :NA | 1)MAILAVARAM RAGHU PRASAD |
| Filing Date | :NA | 2)DEVARAKONDA S S G P M V R MURTY |
| | | 3)SHAIK KHASIM |
| | | 4)PRAN KISHORE DEB |
| | | 5)VEDULA GIRIJA SASTRY |

(57) Abstract :

The present invention provides compound, Pv-P-HH and pharmaceutically acceptable salts or prodrug thereof and methods for synthesizing Py-P-HH and methods for inhibiting growth of M tuberculosis and P. falciparum species for the treatment of ZDR tuberculosis and malaria Provided are compound of the following formula Acknowledgements: The authors profusely thank National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Department of Health and Human Services for carrying out biological activity and required funding for the screening under Contract No. HHSN2722011000121. We thank National Institute for Malaria Research, New Delhi for carrying out antimalarial activity of the above compound.

No. of Pages : 48 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :29/05/2013

| (54) Title of the invention : WORM RABBIT DRIV | 'E MECHANIS | SM |
|---|-------------|--|
| (54) The of the invention : WORM RABBIT DRIV (51) International classification (31) Priority Document No (32) Priority Date (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 : (71)B N Karkera Address of Applicant : Apartment 2, Homi Jehangir Bhabha Visiting Faculty Block, National Institute of Technology NH 66 Srinivas Nagar, Surathkal, Mangalore, Karnataka 575025 India (72)Name of Inventor : (72)Name of Inventor : (72)Lewlyn L.R. Rodrigues |

(57) Abstract :

According to an aspect of the present invention, the method, system and apparatus is provided to lift a load. The proposed system may have dual rack, ball worm, a motor and a load. In one embodiment, the worm may be placed between the racks. The motor is attached to the ball worm. The load is linked to the worm. In another embodiment, the balls may be attached with the either of the rack or both. The VFC (variable frequency control) supply for the motor is provided through an umbilical cord, freely winding and unwinding during the upward and downward movements of the drive (ball worm). In another embodiment, the motor is a hollow shaft outer rotor squirrel cage induction motor. In another aspect of the present invention, the motor moves up and down along with the worm placed between the racks.

No. of Pages : 19 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A NOVEL PHOTOPROTECTIVE CINNAMATE FROM EICHHORNIA CRASSIPES (MART.) SOLMS AND USE THEREOF AS PHOTOPROTECTIVE COSMETIC PRODUCTS

| (51) International classification | :A61K8/00 | (71)Name of Applicant : |
|---|-----------|---|
| (31) Priority Document No | :NA | 1)THE REGISTRAR |
| (32) Priority Date | :NA | Address of Applicant : AVINASHILINGAM INSTITUTE |
| (33) Name of priority country | :NA | FOR HOME, SCIENCE AND HIGHER EDUCATION FOR |
| (86) International Application No | :NA | WOMEN, COIMBATORE - 641 043 Tamil Nadu India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)DR. POTTAIL LALITHA |
| (61) Patent of Addition to Application Number | :NA | 2)DR. SHUBASHINI KRISHNAN SRIPATHI |
| Filing Date | :NA | 3)MS. PONNUSAMY JAYANTHI |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The details of method for the isolation of a novel photoprotective compound from Eichhornia crassipes and formulation of a sunscreen lotion containing the isolated compound that provides maximum ultra violet protection ability is herein disclosed. The method comprises: (1) extracting the phytoconstituents of Eichhornia crassipes with ethyl acetate to obtain a crude extract (2) subjecting the ethyl acetate extract to flash chromatography using solvents of varying polarity (3) preparing a sunscreen lotion with photoprotective ability.

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

(19) INDIA

(22) Date of filing of Application :24/07/2013

(54) Title of the invention : NUTRITIONAL POTS FOR ENHANCED PLANT GROWTH

| (51) International classification:A61H(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:NA(62) Divisional to Application Number:NAFiling Date:NA | (71)Name of Applicant : 1)DR. RONDA SRINIVASA REDDY Address of Applicant :GF-C. SHANTI SOUDHA APARTMENTS, RTC COLONY, 3RD ROAD, NEAR STELLA COLLEGE, VIJAYAWADA - 520 010 Andhra Pradesh India 2)KL UNIVERSITY (72)Name of Inventor : 1)DR. RONDA SRINIVASA REDDY 2)PARUPUDI.L.C. PAVANI 3)REDLAPALLI GOUTHAMI 4)MRUDULA GEDDAM 5)SURAJ SHARMA 6)CHARI V. KANDALA 7)S. VIJAYA SARADHI |
|--|--|
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(57) Abstract :

A process of preparing a nutritional pot for enhanced plant growth and process for making the nutritional elements available to the plant within the nutritional pot is disclosed. The process includes melting a predetermined amount of dammar and a predetermined amount of wax together on a heat source at a predefined temperature, mixing a predetermined amount of sand with a predetermined amount of protein rich biomass separately, amalgamating the molten dammar and wax with sand protein and rich biomass to form a slurry and pouring the amalgamated product into a mould of desired shape. The method for carrying the nutritional elements available to the plant within the nutritional pot is carried out by leaching mechanism and diffusional method.

No. of Pages : 10 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :21/08/2013

| (54) Title of the invention : SHOCK ABSORBER | | |
|---|------------------|---|
| | | |
| (51) International classification | :F16F9/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2012- 240245 | 1)SHOWA CORPORATION Address of Applicant :1-14-1, FUJIWARA-CHO, GYODA- |
| (32) Priority Date | :31/10/2012 | SHI, SAITAMA 361-8506 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)TAKAHASHI HIDEAKI |
| Filing Date | :NA | 2)TSUCHIYA KENICHI |
| (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 shock absorber includes: an outer tube including a collar holding-back portion provided on a lower side of the outer tube; an inner tube having a predetermined length, a lower side of the inner tube being inserted into the outer tube; a coil spring accommodated in the inner tube, an upper end of the coil spring being supported by an upper end portion of the inner tube; a collar having a lower end abutting against the collar holding-back portion provided on the lower side of the outer tube, and an upper end supporting a lower end of the coil spring, the collar being inserted into the inner tube; and a stopper member which sets extension of the inner tube in such a manner that a section length between a lower end of the inner tube and the collar holding-back portion is shorter than a length of thfi collar.

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

(19) INDIA(22) Date of filing of Application :26/08/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : INTERLOCKING BRAKE DEVICE FOR MOTORCYCLE

| (51) International classification | :B60T17/00 | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :2012- | 1)HONDA MOTOR CO., LTD. |
| (51) Fliolity Document No | 191045 | Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :31/08/2012 | MINATO-KU, TOKYO, 107-8556 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)NAKAMURA, HIRONORI |
| Filing Date | :NA | 2)SAITO, SATOSHI |
| (87) International Publication No | : NA | 3)OKAZAKI, YASUNORI |
| (61) Patent of Addition to Application Number | :NA | 4)WAKABAYASHI, TAKESHI |
| Filing Date | :NA | 5)IEDA, YOSHIHISA |
| (62) Divisional to Application Number | :NA | 6)HONDA, YOSHINOBU |
| Filing Date | :NA | 7)TANI, KAZUHIKO |

(57) Abstract :

An interlocking brake device for a motorcycle includes: a brake pedal (30) having a pedal arm (31) which is rotatably supported on a vehicle body (10) by a shaft (33) and extends frontward from the shaft (33), and a middle arm (32) which extends upward from the shaft (33) and is rotated together with the pedal arm (31); an equalizer (40) which is connected to the middle arm (32) of the brake pedal (30), and distributes an operating force of the brake pedal (30) to a front wheel brake (BF) and a rear wheel brake (BR); and an interlocking cable (50) which includes an inner cable (51) and an outer tube (52), and transmits an operating force from the equalizer (40) to the front wheel brake (BF), wherein the interlocking cable (50) is connected to the equalizer (40) from a rear side of a vehicle, and extends frontward by way of a curved portion (53) which projects rearward, and at least a portion of the outer tube (52) at the curved portion (53) is formed of a non-flexible curved tube (52c).

No. of Pages : 37 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :20/05/2013

(54) Title of the invention : VEHICLE MOUNTING STRUCTURE FOR BATTERY PACK

| (51) International classification | :B60K1/04 | (71)Name of Applicant : |
|---|------------------|--|
| (31) Priority Document No | :2012- 130752 | 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, |
| (32) Priority Date | | Hamamatsu-shi, Shizuoka-ken , Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)Kunihiro NITAWAKI |
| Filing Date | :NA | 2)Atsushi HORIUCHI |
| (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 vehicle mounting structure of a battery pack that suppresses vibrations of a floor panel while making a shock absorbing space between the battery pack and vehicle exterior members large by effectively utilizing a space between coil springs. In a vehicle mounting structure for a battery pack 10, the vehicle comprises a pair of left and right side members and a cross member for supporting the battery pack, a pair of left and right coil springs 117 installed at these side members and functioning as suspensions, and a floor panel 105 supported by the side members and the like, wherein the battery pack is installed inside an opening 105a of the floor panel and located between the coil springs, and between these coil springs, a front portion 10a of the battery pack is formed into a tapered outer surface 10T that becomes narrower as it enters deeper into a space between the coil springs, while an opening shape of the opening of the floor panel (the edges of the facing regions 105b) is also formed into a tapered edge 105T.

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

(19) INDIA

(22) Date of filing of Application :03/06/2013

| (54) Title of the invention : COMBING MACHINE | 3 | |
|---|-------------|--|
| | | |
| (51) International classification | :D01G19/14 | (71)Name of Applicant : |
| (31) Priority Document No | :2012- | 1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI |
| (51) Thomy Document No | 130030 | Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI, |
| (32) Priority Date | :07/06/2012 | AICHI-KEN Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MASAMI SHINBARA |
| Filing Date | :NA | 2)TOSHIMITSU TAKAFUJI |
| (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 combing machine includes a plurality of combing heads each having a pair of detaching rollers, a pair of calender rollers and a guide plate that is located between the pair of detaching rollers and the pair of calender rollers and guides motion of fleece. The combing machine is characterized in that the pair of calender rollers includes a drive roller and a driven roller. Distance between the drive roller and the driven roller is variable according to thickness of a sliver. Each combing head includes a displacement detector that detects displacement of the driven roller relative to the drive roller.

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

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF (1R,5S)-N-[3-AMINO-1(CYCLOBUTYLMETHYL)-2,3-DIOXOPROPYL]-3-[2(S)-[[[(1,1-DIMETHYLETHYL)AMINO]CARBONYL]AMINO]-3,3-DIMETHYL-1-OXOBUTYL]-6,6-DIMETHYL-3-AZABICYCLO[3.1.0]HEXAN-2(S)-CARBOXAMIDE

| (51) International classification | :C01B | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)MSN LABORATORIES LIMITED |
| (32) Priority Date | :NA | Address of Applicant :FACTORY: SY.NO.317 & 323, |
| (33) Name of priority country | :NA | RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) - |
| (86) International Application No | :NA | 502 329 Andhra Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)SRINIVASAN THIRUMALAI RAJAN |
| (61) Patent of Addition to Application Number | :NA | 2)SAJJA ESWARAIAH |
| Filing Date | :NA | 3)GHOJALA VENKAT REDDY |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a process for the preparation (lR,5S)-N-[3-amino-1 -(cyclobutylmethyl)-2,3 -dioxopropyl]-3 - [2(S)-[[(1,1 -dimethylethyl)amino] carbonyl]amino]-3,3-dimethyl-1-oxobutyl]-6,6-dimethyl-3-azabicyclo[3.1.0]hexan-2(S)-carboxamide represented by structural formula-1. The present invention also provides novel intermediate compounds.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF LEVOTHYROXINE SODIUM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :C01B :NA :NA :NA | (71)Name of Applicant : 1)AZICO PHARMACEUTICALS PRIVATE LIMITED Address of Applicant :425/3RT, DOOR NO. 7-1-621/328 SR NAGAR, HYDERABAD - 500 038 Andhra Pradesh India |
|---|----------------------------|---|
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date (87) International Publication No | :NA : NA | 1)CH. A.P. RAMESWARA RAO |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention provides a novel process for the preparation of highly pure Levothyroxine Sodium, i.e., (iS)-2-amino-3-[4-(4-hydroxy-3, 5-diiodophenoxy)-3,5-diiodophenyl] propanoic acid sodium salt via two process intermediates viz 3,5-Diiodo L-Tyrosine copper complex and novel Bis (p-anisyl) iodonium Iodide. The invention also provides levothyroxine pentahydrate free from genotoxic impurities and liothyronine levels below 0.04% wt/wt.

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

(19) INDIA

(22) Date of filing of Application :02/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEMS AND METHODS FOR GENERATING POWER IN A VEHICLE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :B60L11/00 :13/605408 :06/09/2012 :U.S.A. :NA | (71)Name of Applicant : 1)GENERAL ELECTRIC COMPANY Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A. (72)Name of Inventor : |
|--|---|--|
| Filing Date (87) International Publication No | :NA : NA | 1)DAIGLE, JEFFREY 2)WORDEN, BRET DWAYNE |
| (61) Patent of Addition to Application Number Filing Date (2) Distribute | :NA :NA | 3)BORISENKO, MAKSIM |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

Various systems and method for generating electrical power in a rail vehicle are provided. In one embodiment, a vehicle system includes an electrical power generation unit operatively coupled with a drive shaft of an engine. The electrical power generation unit includes a traction alternator and a head-end-power (HEP) alternator. The traction alternator is excited by power electronics positioned external to the traction alternator. The HEP alternator is self-excited by an exciter winding positioned in the HEP alternator.

No. of Pages : 34 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DASTINIB GLUCURONATE SALT & PROCESS FOR PREPARATION THEREOF

| (51) International classification | :C07D | (71)Name of Applicant : |
|---|-------|--|
| (31) Priority Document No | :NA | 1)SHILPA MEDICARE LIMITED |
| (32) Priority Date | :NA | Address of Applicant :2ND FLOOR, 10/80, RAJENDRA |
| (33) Name of priority country | :NA | GUNJ, RAICHUR Karnataka India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)RAMPALLI; SRIRAM |
| (87) International Publication No | : NA | 2)POTHANA; PRADEEP |
| (61) Patent of Addition to Application Number | :NA | 3)GARBAPU, SURESH |
| Filing Date | :NA | 4)CHATURVEDI, AKSHAY KANT |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to novel pharmaceutically acceptable glucuronic acid addition salt of Dasatinib (I) or its hydrate or solvate thereof. The present invention further relates to the processes for preparation of the said glucuronic acid addition salt of Dasatinib. The glucuronic acid addition salt of Dasatinib or its hydrate or solvate thereof may be useful as an anti-cancer agent.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF SILODOSIN AND ITS INTERMEDIATES

| (51) International classification(31) Priority Document No(32) Priority Date(22) Name of priority pate | :NA :NA | (71)Name of Applicant : 1)AUROBINDO PHARMA LTD Address of Applicant :PLOT NO.2, MAITRIVIHAR, |
|---|-------------------|---|
| (33) Name of priority country(86) International Application No Filing Date | :NA :NA :NA | AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India (72)Name of Inventor : 1)JAYATI MITRA |
| (87) International Publication No(61) Patent of Addition to Application Number | :NA :NA :NA | 2)AMINUL ISLAM 3)CHENNURI RAJESH |
| Filing Date (62) Divisional to Application Number Filing Date | :NA :NA :NA | 4)MEENAKSHISUNDERAM SIVAKUMARAN |

(57) Abstract :

The present invention relates to an improved process for the preparation of Silodosin (I), which comprises by treating l-(3-benzoyloxypropyl)-5-[(2/)-2-({2-[2-(2,2,2-trifluoroethoxy)phenoxy]ethyl}amino)propyl]-2,3-dihydro-lH-indole-7-carbonitrile of a Compound of Formula (II) with N-acetyl-L-glutamatic acid to produce a Compound of Formula (IIa), subsequently hydrolyzing the Compound of Formula (Ha) to produce l-(3-hydroxypropyl)-5-[(2i)-2-({2-[2-(2,2,2-trifluoroethoxy)phenoxy]ethyl}-amino)propyl]-2,3-dihydro-lH-indole-7-carbonitrile (XVI) and converting the Compound of Formula (XVI) to Silodosin.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD OF CONTROLLING EXHAUST GAS FLOW RATE IN AN EXHAUST GAS **RECIRCULATION (EGR) SYSTEM**

| (51) International classification | :F01N3 | (71)Name of Applicant : |
|---|--------|---|
| (31) Priority Document No | :NA | 1)Bosch Limited |
| (32) Priority Date | :NA | Address of Applicant :Post Box No 3000, Hosur Road, |
| (33) Name of priority country | :NA | Adugodi, Bangalore 560030, Karnataka, India |
| (86) International Application No | :NA | 2)Robert Bosch GmbH |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)KULANDAISAMY John Peter |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| | | |

(57) Abstract :

A method of controlling exhaust gas flow rate, in real time, in an exhaust gas recirculation (EGR) system is disclosed. The method includes recording exhaust gas flow rate for a plurality of engine operating conditions, retrieving desired exhaust gas flow rate, that corresponds to a real time engine operating condition, determining real time exhaust gas flow rate based on differential pressure across an EGR valve and first position of the EGR valve, calculating difference between the real time exhaust gas flow rate and the desired exhaust gas flow rate retrieved, determining second position, of the EGR valve, that corresponds to calculated difference and altering the first position, of the EGR valve, to the second position. The alteration is used to alter the real time exhaust gas flow rate to match desired exhaust gas flow rate for the real time engine operating condition

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

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SOFTWARE FOR SAFE GUARD DEVICE AS INSURANCE FOR LIFE

| (51) International classification | | (71)Name of Applicant : |
|---|------|---|
| (31) Priority Document No | :NA | 1)Ameet Patil |
| (32) Priority Date | :NA | Address of Applicant :Spundhan Softwares Pvt. Ltd. 1st Floor, |
| (33) Name of priority country | :NA | Maratha Mandir Complex, Khanapur Road, Belgaum Karnataka |
| (86) International Application No | :NA | India |
| Filing Date | :NA | 2)Diwan Prakash Vaman Rao |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)Ameet Patil |
| Filing Date | :NA | 2)Diwan Prakash Vaman Rao |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention discloses firmware for devices, and systems for enabling various mechanisms for help during distress or for tracking of valuables. Methods include algorithm for detecting rigorous vibration of the device continuously until a time it is thought to be abnormal. Methods also include algorithm for detecting high frequency loud shouting sounds frequent enough to be thought abnormal. Methods include detecting rapid fall in altitude to be thought abnormal.

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

(19) INDIA

(22) Date of filing of Application :04/09/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : RAILCAR HANDBRAKE MONITOR | | | |
|--|-------------------------------------|--|--|
| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B60T :13/605,477 :06/09/2012 | (71)Name of Applicant : 1)AMSTED RAIL COMPANY, INC. | |

(57) Abstract :

A device for monitoring the status of a railcar handbrake having a hand operated handle, which device has a magnet configured to be inserted in the linkage of a railcar handbrake system. A sensing component is mounted on the railcar to sense the proximity of the magnet when the handbrake is applied. A system and method using the monitoring device to provide communication of an alarm when the handbrake is applied and the railcar is moving.

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

(19) INDIA

(22) Date of filing of Application :06/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : POLYMERIZED CHARGE ENHANCED SPACER PARTICLE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :13/667,448 :02/11/2012 :U.S.A. :NA | Address of Applicant :45 GLOBAL AVENUE, P.O., BOX 4505, NORWALK, CONNECTICUT 06856-4505 U.S.A. (72) Name of Inventor : |
|--|--|---|
| 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 :NA :NA | 1)ROBERT D. BAYLEY 2)MAURA A. SWEENEY 3)GRAZYNA E KMIECIK-LAWRYNOWICZ |

(57) Abstract :

A toner particle has a core and a shell surrounding the core, wherein the shell contains a polymerized charge enhanced spacer particle, which is a copolymer of a charge control agent and a monomer. A method of making toner particles includes forming a slurry by mixing together a first emulsion containing a resin, optionally a wax, optionally a colorant, optionally a surfactant, optionally a coagulant, and one or more additional optional additive, heating the slurry to form aggregated particles in the slurry, forming a second emulsion containing a monomer and a charge control agent, polymerizing the second emulsion to form a copolymer of the monomer and the charge control agent, and incorporating the copolymer into the toner particles, wherein the aggregated particles form a core of the toner particles.

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

(22) Date of filing of Application :06/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AIR-CONDUCTING HOUSING FOR A HEATING AND/OR AIR CONDITIONING SYSTEM, IN PARTICULAR FOR VEHICLES

| (31) Priority Document No1(32) Priority Date1(33) Name of priority country10(86) International Application No10Filing Date10(87) International Publication No10(61) Patent of Addition to Application Number10Filing Date10(62) Divisional to Application Number10(87) International Number10(87) International Publication No10(87) International Publication No10(87) International Publication Number10(62) Divisional to Application Number10(62) Divisional to Application Number10 | :B60H(71)Name of Applicant ::10 20121)MAN TRUCK & BUS AG018 198.1Address of Applicant :DACHAUER STR. 667, 80995:14/09/2012MUNCHEN Germany:Germany(72)Name of Inventor ::NA1)WACKERL, MARTIN:NA2)MIKSCH, WALTER:NA3)KIRCHENER, STEFAN:NA:NA:NA:NA:NA:NA:NA:NA:NA:NA |
|--|--|
|--|--|

(57) Abstract :

Air-conducting housing for a heating and/or air conditioning system, in particular for vehicles The invention concerns an airconducting housing for a heating and/or air conditioning system, in particular for motor vehicles, and a method for operating a heating and/or air conditioning system, in particular for motor vehicles, with an air-conducting housing. According to the invention, it is proposed that at least one valve element (7) is arranged in at least one wall (6) of the housing (1) and is formed such that in the defined normal operating state it closes an additional air opening (8) present in addition to the at least one inlet and/or intake opening (3), and under defined conditions of flow and/or pressure in the housing (1) which differ from the normal operating state, in particular under a defined reduced pressure in the housing (1), it opens and clears the associated additional air opening (8).

No. of Pages : 16 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :06/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : OXYGEN SCAVENGER SYSTEM IN A POLYOLEFIN MATRIX

| (51) International classification | :C08L51/00 | (71)Name of Applicant : |
|---|-------------|---|
| (31) Priority Document No | :13/608,603 | 1)KRAFT FOODS GROUP BRANDS LLC |
| (32) Priority Date | :10/09/2012 | Address of Applicant : THREE LAKES DRIVE, |
| (33) Name of priority country | :U.S.A. | NORTHFIELD, ILLINOIS 60093, ILLINOIS U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)LIANG, YING (LORA) |
| (87) International Publication No | : NA | 2)AGARWAL, SURENDRA |
| (61) Patent of Addition to Application Number | :NA | 3)GREENFIELD, ALEXANDER |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An oxygen scavenging polymer composition comprising: a continuous, non-polar polymer composition including a polyolefin; oxygen scavenging domains dispersed in the continuous non-polar polymer composition, the oxygen scavenging domains including an oxidizable polymer, a transition metal catalyst or salt thereof, and a catalytic promoter effective to bind with oxygen passing through the continuous non-polar polymer composition; and a polymeric compatibilizer in the continuous non-polar polymer composition; and a polymeric compatibilizer in the continuous non-polar polymer composition, the polymeric compatibilizer in the continuous non-polar polymer composition, the polymeric compatibilizer having a polar moiety and a non-polar moiety and in amounts effective to uniformly disperse the polar oxygen scavenging domains in the continuous non-polar polymer composition

No. of Pages : 31 No. of Claims : 20

(19) INDIA

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

(86) International Application No

(87) International Publication No

(62) Divisional to Application Number

(61) Patent of Addition to Application Number

Filing Date

Filing Date

Filing Date

(54) Title of the invention : CLIMATE CONTROL APPARATUS FOR A CLEANROOM LIVESTOCK BUILDING(51) International classification:F24F(31) Priority Document No:20 2012(32) Priority Date:14/09/2012(33) Name of priority country:Germany(72) Name of Inventor :

:NA

:NA

: NA

:NA

:NA

:NA

:NA

| (72) Name of Inventor: |
|------------------------|
| 1)SCHWARZ, ARMIN |

(57) Abstract :

A climate control apparatus for a cleanroom livestock building, comprising a supply air unit, comprising a supply air conveyor device, adapted to control the volume of supply air conveyed therewith, an exhaust air unit comprising an exhaust air conveyor device, adapted to control the volume of air conveyed therewith, a sensor unit comprising a temperature sensor and an air pressure sensor and a climate control unit in signal communication with the supply air unit, the exhaust air unit and the sensor unit, and which is adapted to reduce the volume of air conveyed by the exhaust air unit whenever the air pressure detected by the air pressure sensor falls below a predetermined lower air pressure limit value, to increase the volume of air conveyed by the exhaust air unit whenever the air pressure limit value, and to increase the volume of air conveyed with the supply air unit, when the temperature detected by the temperature sensor exceeds a predetermined first upper temperature limit value.

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

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : APPARATUS AND METHOD FOR CONTROLLING INTER-CLUSTER INTERFERENCE IN A MULTI CELL NETWORK

| (31) Priority Document No (32) Priority Date (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 | :10-2012- 0051353 :15/05/2012 | (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)Hye-Mi PARK 2)Jo-Seph JEON 3)June MOON |
|--|-------------------------------------|---|
|--|-------------------------------------|---|

(57) Abstract :

An apparatus and method for controlling an inter-cluster interference in a multi cell network are provided. The method includes collecting cluster information in order to cluster base stations into at least one cluster; clustering the base stations into at least one cluster by using at least one of a dynamic clustering method and a hierarchical clustering method, based on the cluster information, determining a cluster boundary base station, which satisfies a predetermined condition, among base stations in a cluster, and controlling the inter-cluster interference.

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

(22) Date of filing of Application :03/06/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :B60K | (71)Name of Applicant : |
|---|------------------|--|
| (31) Priority Document No | :2012- 130187 | 1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :07/06/2012 | MINATO-KU, TOKYO, 107-8556 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)SATO, RYOSUKE C/O HONDA R&D CO., LTD., |
| Filing Date | :NA | 2)SAKUMA, YOUHEI |
| (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 : ELECTRICAL COMPONENT MOUNTING STRUCTURE

(57) Abstract :

[Object] An object of the present invention is to provide an electrical component mounting structure in which even a bracket made of resin can achieve fixing to the same extent as a bracket made of metal. [Solving Means] A bracket 5 0 made of resin, having a CDI unit 51 mounted thereto, and fixed to a vehicle body frame 11 includes a retainer portion 52 to hold the CDI unit 51, a lid portion 53 to cover an opening of the retainer portion 52, and a fixing portion 54 having an abutment portion 76 and a flap portion 77 and formed underneath the retainer portion 52. The retainer portion 52 and the lid portion 53 are connected together by an electrical component mounting hinge portion 78. Further, the retainer portion 52 and the lid portion 53 are provided with an electrical component side latching portion 91, and the abutment portion 76 and the flap portion 77 are provided with a vehicle body side lock mechanism 92 and a vehicle body side latching portion 93.

No. of Pages : 46 No. of Claims : 11

(22) Date of filing of Application :28/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN EDUCATION FRAMEWORK FOR INDIVIDUALS WITH COGNITIVE DISABILITIES AND A METHOD THEREOF

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number N | IA CONTRACTOR IN A CONTRACTOR INTERACTOR IN A CONTRACTOR INTERACTOR INTERAC | (71)Name of Applicant : 1)CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING Address of Applicant :C-DAC Knowledge Park, No. 1, Old Madras Road, Byappanahalli, Bangalore 560038, Karnataka Maia (72)Name of Inventor : 1)Annie Joyce Vullamparthi 2)Karthika Venkatesan 3)Sharadhi Manjeshwara 4)Sivaranjani Duraisamy 5)Sarat Chandra Babu Nelaturu |
|--|--|--|
|--|--|--|

(57) Abstract :

Embodiment relates to an education framework. The education framework is created by a method involving creation and rendering of lessons and quizzes to support both receptive and expressive learning. The method involves retrieving individualTMs profile information by a processing unit configured in an application server. Based on individual[™]s profile information, education plans are created by an Individualized Educational Planning (IEP) module configured in processing unit. Then, lesson plans for individual are created by IEP. Next, lessons are created and personalized and taught to individual. Further exercises are created based on lesson plans for assessing progress of each of individual periodically. The progress of individual is assessed by evaluating interaction of the individual towards exercises with respect to lesson plans. Each academic year based on progress of individual, promotion or retention of the individual with in a class or from one class to the next is decided.

No. of Pages : 30 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :13/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MOTOR-DRIVEN COMPRESSOR FOR A VEHICLE

| (51) International classification | :H01L31/00 | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :2012- | 1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI |
| (51) Thomy Document No | 204584 | Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI, |
| (32) Priority Date | :18/09/2012 | AICHI-KEN Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)FUKASAKU, HIROSHI |
| Filing Date | :NA | 2)NAJIMA, KAZUKI |
| (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 first accommodation chamber (22) accommodating therein an inverter unit (23) with a built-in inverter circuit (24) and a second accommodation chamber (25) accommodating therein a filter unit (30) with a built-in filter circuit are formed individually in different positions of a housing (10,11,12) of a motor-driven compressor for a vehicle. The input terminals and the output terminals (31, 32, 33, 34) of the inverter unit (23) and of the filter unit (30) are all arranged so as to extend in the same direction.

No. of Pages : 47 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : COOLING MECHANISM FOR BATTERY PACK OF HYBRID VEHICLE

| (51) International classification | :B60R | (71)Name of Applicant : |
|---|------------------|--|
| (31) Priority Document No | :2012- 127245 | 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, |
| (32) Priority Date | :04/06/2012 | Hamamatsu-shi, Shizuoka-Ken , Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)Kunihiro NITAWAKI |
| Filing Date | :NA | 2)Koji TAKIZAWA |
| (87) International Publication No | : NA | 3)Atsushi HORIUCHI |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A battery pack cooling mechanism for a hybrid vehicle is provided. An opening is formed in a floor panel located rearwardly of the vehicle. An upper portion of a battery pack inserted into the opening is closed by a cover panel. The opening is formed in misalignment with above an exhaust pipe so that the battery pack is arranged adjacent the exhaust pipe in the width-wise direction of the vehicle. An air-intake device is mounted on a top surface of the battery pack. An air outlet port of the air-intake device opens frontward of the vehicle. An air outlet port of an air outlet duct opens more rearwardly than the battery pack. A filer element which removes foreign substances is disposed in the air-intake device. A service lid is disposed on an upper portion of the cover panel for maintenance of the filter element.

No. of Pages : 29 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :05/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DRUM HOUSING FOR A WORKING DRUM OF A CONSTRUCTION MACHINE OR MINING MACHINE, CONSTRUCTION MACHINE OR MINING MACHINE, AS WELL AS METHOD FOR MONITORING THE CONDITION OF A WORKING DRUM OF A CONSTRUCTION MACHINE OR MINING MACHINE

| (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :Germany :NA :NA : NA | (71)Name of Applicant : 1)WIRTGEN GMBH Address of Applicant :REINHARD-WIRTGEN-STRASSE 2, 53578 WINDHAGEN Germany (72)Name of Inventor : 1)VON SCHOENEBECK, WINFRIED 2)BERGES, JOERG 3)BERGHOFF, PETER 4)WAGNER STEFEN |
|--|--------------------------------|---|
| (61) Patent of Addition to Application NumberFiling Date(62) Divisional to Application Number | :NA :NA :NA :NA | 4)WAGNER, STEFEN 5)BARIMANI, CYRUS 6)HAEHN, GUENTER |

(57) Abstract :

Drum housing for a working drum of a construction machine or mining machine, construction machine or mining machine, as well as method for monitoring the condition of a working drum of a construction machine or mining machine In a drum housing (1) for a working drum (8) of a construction machine (2) or mining machine for working off milled material movable in a working direction (48), said working drum (8) being provided with tools and rotating about a drum axis (6), with a housing shell that at least partially encloses the circumference of the working drum (8), and with at least one monitoring device arranged radially outside of the housing shell, said monitoring device inspecting the condition of the working drum (8) or of the tools thereof, it is provided for the following fea-tures to be achieved: at least one inspection opening for each monitoring device is arranged in the housing shell, and a partial flow of the milled material passes through the at least one inspection opening during the milling operation and guiding devices conduct the partial flow, in radial direction behind the housing shell, in front of or behind the working drum (8) as seen in the working direction.

No. of Pages : 23 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :05/09/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : WIPER BLADE PACKAGE | | |
|---|-----------------------------------|--|
| (51) International classification (51) International classification (31) Priority Document No (32) Priority Date (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 | :B65D5/00 :10-2012- 0100275 | (71)Name of Applicant : 1)ADM21 CO., LTD. Address of Applicant :1259-130, CHUNGJEOL-RO, CHEONGYANG-EUP, CHEONGYANG-GUN, CHUNGCHEONGNAM-DO 345-803 Republic of Korea (72)Name of Inventor : 1)KIM, IN KYU |

(57) Abstract :

A wiper blade package has a mouth portion that is openable by being pressed in a lateral direction. The wiper blade package has a first panel, a second panel opposed to the first panel, and a pair of side panels. The first panel is bendable around a bend line extending in a longitudinal direction and has a lid flap at its end. The lid flap is foldable around the bend line and is pivotable around a hinge line intersecting the bend line. The second panel has an engagement flap at its end. The lid flap engages a free end of the engagement flap at its free end and thereby closes a receiving portion in which a wiper blade is received. The lid flap is pivoted from the engagement flap by pressing the side panels toward the receiving portion and thereby opens the receiving portion.

No. of Pages : 45 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :16/09/2013

(54) Title of the invention : UTILITY MANAGEMENT ANALYSIS THROUGH SOCIAL NETWORK DATA

| (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 (35) International Publication No (37) International Publication No (37) International Publication No (37) International Publication No (37) NA (37) International Publication No (38) NA (37) International Publication Number (37) Patent of Addition to Application Number (37) Patent of Application Number (38) NA (39) NA (30) Name of Priority Country (31) Name of Priority Country (32) Name of Priority Country (33) Name of Priority Country (34) Name of Priority Country (35) NA (36) International Publication Number (36) NA (37) Name of Priority Country (38) Name of Priority Country (39) Name of Priority Country (31) Name of Priority Country (31) Name of Priority Country (32) Name of Priority Country (33) Name of Priority Country (34) Name of Priority Country (35) Name of Priority Country (36) Name of Priority Country (37) Name of Priority Country (38) Name of Priority Country (39) Name of Priority Country (31) Name of Priority Country (31) Name of Priority Country (32) Name of Priority Country (31) Name of Priority Country (32) Name of Priority Country (31) Name of Priority Country (32) Name of Priority Country (33) Name of Priority Country (34) Name of P | Address of Applicant I RIVER RUALI NEEDED I ALIV |
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(57) Abstract :

Systems and methods for utility management using social network data are provided. A social media analysis system filters social media posts of various social media networks to ascertain social media posts relevant to a utility network and determine if a utility network event has occurred based on the social media posts. Additionally, the social media analysis system associates relevant social media posts with locations on the utility network.

No. of Pages : 32 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : SKIN LIGHTENING COMPOSITION | | |
|---|-----------|---|
| | | |
| (51) International classification | :A61K8/00 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)ITC LIMITED |
| (32) Priority Date | :NA | Address of Applicant :Corporate R&D ITC R&D Centre, |
| (33) Name of priority country | :NA | Peenya Industrial Area, 1st Phase, Bangalore 560 058, Karnataka |
| (86) International Application No | :NA | India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)MUTHAIYAH, Balu |
| (61) Patent of Addition to Application Number | :NA | 2)SRINIVASAN, Yuvaraj |
| Filing Date | :NA | 3)DIXIT, Ajay Kumar |
| (62) Divisional to Application Number | :NA | 4)CHANDRASEKHARAN, Lakshmanan Chittur |
| Filing Date | :NA | 5)BANDYOPADHYAY, Balaji |

(57) Abstract :

The present invention relates to methods and compositions for skin care, in particular, a cosmetic composition for skin lightening comprising oxyresveratrol and resveratrol. The present invention also provides methods for using the composition for producing skin lightening and skin whitening effects.

No. of Pages : 42 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD OF CONTENT DELIVERY IN LTE RAN, AN ENB AND COMMUNICATION SYSTEM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (55) Filing Date | :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)HUAWEI TECHNOLOGIES INDIA PVT. LTD. Address of Applicant :NO. 23, LEVEL 3&4 LEELA GALLERIA AIRPORT ROAD, BANGALORE 560 017 Karnataka India (72)Name of Inventor : |
|--|---------------------------------|---|
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 1)SREEKANTH. M 2)SHANLCAR, NANDIRAJU, RAVI |
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

The embodiments of the present invention provide a method of content delivery in LTE RAN, an eNB and communication system. The method includes: receiving, by an eNB from an UE, a client request for requesting content data; checking a segment map according to the client request; acquiring the plurality of segments from one or more eNBs of the RAN according to the index information in the segment map; generating the content data by using the plurality of segments; sending the content data to the UE. In this invention, a content data is divided into a plurality of segments and the segments are distributed in a RAN. Furthermore, the content data is acquired from neighboring nodes of RAN as much as possible, such that cache hit ratio is improved and the link between RAN and CN is saved.

No. of Pages : 38 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :03/06/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A HEATING UNIT FOR AN EXHAUST AFTER TREATMENT SYSTEM

| (51) International classification(31) Priority Document No(32) Priority Date | :NA :NA | (71)Name of Applicant : 1)ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED |
|--|------------|--|
| (33) Name of priority country(86) International Application No | :NA :NA | Address of Applicant :123, INDUSTRIAL LAYOUT, HOSUR ROAD, KORMANGALA, BANGALORE - 560 095 |
| Filing Date | :NA | Karnataka India |
| (87) International Publication No | : NA | 2)ROBERT BOSCH GMBH |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | (72)Name of Inventor : 1)LOKNATH NATARAJAN |
| (62) Divisional to Application Number | :NA | 2)GURURAJAN SENGAMEDU |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to a heating unit for an exhaust after treatment system. The heating unit includes a resistance heater, and a stainless steel heat transfer unit, adapted to transfer heat from the resistance heater to the exhaust after treatment fluid, characterized in that, the stainless steel heat transfer unit conductively encloses the resistance heater. The heating unit also includes a dielectric medium positioned between the stainless steel heat transfer unit and the resistance heater, the dielectric medium is adapted to transfer heat from the resistance heater, the dielectric medium is adapted to transfer heat from the resistance heater to the stainless steel heat transfer unit and prevent electric conduction.

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

(19) INDIA

(22) Date of filing of Application :26/07/2012

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PROCESS FOR THE SEPERATION OF PLACENTAL MEMBRANES

(57) Abstract :

The present invention discloses a process for enzymatic separation of placental membranes from placenta essentially comprising of amnion and chorion. The process comprises of harvesting and cleansing the placenta obtained from human, bovine, cattle, buffalo, porcine, goat etc. The cleansed placenta is subjected in a bath comprising of protease enzyme lacking collagenolytic and elastolytic activity at a pH range of 5 - 10 for a predetermined time, at a predetermined temperature for separation of placental membranes. Then, the separated placental membranes were recovered from the bath.

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

(19) INDIA

(22) Date of filing of Application :18/09/2013

(54) Title of the invention · POWER TRANSMISSION SYSTEMS

(43) Publication Date : 30/01/2015

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| (51) International classification | :H02J3/00 | (71)Name of Applicant : |
| (31) Priority Document No | :12186514.1 | 1)GE ENERGY POWER CONVERSION TECHNOLOGY |
| (32) Priority Date | :28/09/2012 | LTD |
| | :EUROPEAN | Address of Applicant :BOUGHTON ROAD, RUGBY, |
| (33) Name of priority country | UNION | WARWICKSHIRE CV21 1BU Germany |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)ALSTON, DAVID LEONARD |
| (87) International Publication No | : NA | 2)BANHAM-HALL, DOMINIC DAVID |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |
| 11 | | |

(57) Abstract :

An offshore wind farm includes a plurality of wind turbines (6) connected to an onshore converter station by means of a distributed power transmission system. The power transmission system includes a series of offshore converter platforms (2, 2) distributed within the wind farm. Each converter platform (2, 2) includes a busbar (4, 4) carrying an ac voltage for the converter platform and to which the wind turbines (6) are connected. Each converter platform (2, 2) also includes one or more converter transformers (12i...12p, 12i... 12p) connected to the busbar (4, 4) and a series of one or more converter modules (18|...18p, 18i...18p). The power transmission system includes dc transmission lines (26, 28) which deliver generated power back to the onshore converter station.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PHARMACEUTICAL FORMULATION EXHIBITING ANTIVIRAL ACTIVITY

| (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (87) International Publication Number (87) International Publication Publication Number (87) International Publication Number (87) International Publication Publication Publication Publication Publication Publication Public | (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 | (72)Name of Inventor :1)PARAMASIVAM RAJENDRAN2)KANNAN MOHAN |
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(57) Abstract :

The present invention discloses a pharmaceutical formulation exhibiting antiviral activity against virus which includes Hepatitis B virus and Human Immuno deficiency Virus. The pharmaceutical formulation exhibiting antiviral activity comprises of therapeutically effective amount of cyclopentolate, therapeutically effective amount of extracts of Withania Sominifera and therapeutically effective amount of at least one pharmaceutically acceptable carrier.

No. of Pages : 10 No. of Claims : 8

(22) Date of filing of Application :06/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR MANUFACTURE OF AN AUTOMOBILE HEAT-EXCHANGER WITH OXIDE COATING

| (31) Priority Document No:10(32) Priority Date:12/ | A 2)ZIMMERLING, ANDREAS A 3)JESAU, JENS-EIKE A A A A |
|--|---|
|--|---|

(57) Abstract :

Process for production of an automobile heat-exchanger with oxide-coating The invention under consideration pertains to a process for production of an automobile heat-exchanger, where a heat-exchanger manufactured from stainless steel is pre-oxidized, is characterized through the following process-steps: - Pretreaetment of the fluid-conducting surfaces of the automobile heat-exchanger - Thermal treatment of the automobile heat exchanger in a furnace under protective gas atmosphere under a temperature between 800 and 1200 ° C for a duration of 1 to 10 minutes, where the protective-gas possesses a dew-point between -25° and 30° C - Creating of an oxide layer with a layer-thickness between 30 and 100 urn.

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

(19) INDIA

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

| (54) Title of the invention : PARKING MECHANI | SM | |
|---|------------------|--|
| | | |
| (51) International classification | :E04H6/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2012- 223656 | 1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :05/10/2012 | MINATO-KU, TOKYO, 107-8556 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NĀ | 1)KONISHI, HIROMICHI |
| Filing Date | :NA | 2)UDOU, HIDEO |
| (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 parking mechanism capable of reducing an impact when a parking pole returns to a released position without any problem is provided. A parking mechanism 1 is equipped with a parking pole 5 engaging with a parking gear 3, and a buffer portion 11 which applies buffer power to the parking pole 5. The buffer portion 11 is equipped with a first buffer member 18 which moves to a first position A when the parking pole 5 turns to an engaged position, and moves to a second position B when the parking pole 5 returns to the released position, and a second buffer member 19 between a reaction force supporting surface 17a and a pressing surface 18a of the first buffer member 18.

No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR THE LAYER-BY-LAYER PRODUCTION OF LOW-WARPAGE THREE-DIMENSIONAL OBJECTS BY MEANS OF COOLING ELEMENTS

| (51) International classification (31) Priority Document No (32) Priority Date (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 :102012216515.0 :17/09/2012 :Germany :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)EVONIK INDUSTRIES AG Address of Applicant :RELLINGHAUSER STRASSE 1-11, 45128, ESSEN Germany (72)Name of Inventor : 1)GREBE, MAIK 2)DIEKMANN, WOLFGANG 3)HESSEL-GELDMANN, SIGRID 4)KREUTZ, JUERGEN |
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(57) Abstract :

The present invention relates to an apparatus for the simultaneous layer-by-layer production of three-dimensional objects and cooling elements, to layer-by-layer production processes, and also to corresponding mouldings.

No. of Pages : 16 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :18/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHOD FOR DETECTION AND TRACKING OF MOVING OBJECTS (51) International classification :G06K9/00 (71)Name of Applicant : (31) Priority Document No 1)GENERAL ELECTRIC COMPANY :13/627,629 (32) Priority Date :26/09/2012 Address of Applicant :1 RIVER ROAD, SCHENECTADY, (33) Name of priority country NEW YORK 12345 U.S.A. :U.S.A. (86) International Application No (72)Name of Inventor : :NA Filing Date :NA 1)TU, JILIN (87) International Publication No : NA 2)XU, YI (61) Patent of Addition to Application Number :NA **3)DEL AMO, ANA ISABEL** Filing Date :NA 4)SEBASTIAN, THOMAS BABY (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A method implemented using a processor based device is disclosed. The method includes receiving a video stream comprising a plurality of image frames having at least one moving object, determining a difference between at least two image frames among the plurality of image frames and generating a difference image comprising a plurality of image blobs corresponding to the at least one moving object. The method further includes generating a plurality of bounding boxes, each bounding box surrounding at least one corresponding image blob among the plurality of image blobs, and determining a subset of bounding boxes among the plurality of bounding boxes, associated with the corresponding moving object, using a fuzzy technique based on a perceptual characterization of the subset of bounding boxes. The method also includes merging the subset of bounding boxes to generate a merged bounding box enclosing the subset of bounding boxes to detect the moving object.

No. of Pages : 38 No. of Claims : 21

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHODS AND SYSTEMS FOR PREVENTING UNAUTHORIZED VEHICLE OPERATION USING FACE RECOGNITION

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :US 13/473,955 :17/05/2012 :U.S.A. :NA :NA | (71)Name of Applicant : 1)Harman International Industries, Incorporated Address of Applicant :8500 Balboa Blvd. Northridge, California, 91329, United States of America (72)Name of Inventor : 1)Hampiholi Vallabha Vasant |
|---|---|---|
| (33) Name of priority country | :U.S.A. | (72)Name of Inventor : |
| | :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 :

Various embodiments relate to systems and methods for detecting an unauthorized use of a vehicle. One or more facial images of one or more authorized drivers of a vehicle may be stored on a vehicle computing system. After detecting movement of the vehicle, one or more facial images of a driver of the vehicle may be periodically received from at least one in-vehicle camera. The one or more captured facial images of the driver may be periodically processed based on the stored facial images of the one or more authorized drivers to determine if the driver is an authorized driver. If the driver is not an authorized driver based on the periodic determination, vehicle operation may be disabled. If the driver is authorized based on the periodic determination, operation of the vehicle may continue.

No. of Pages : 28 No. of Claims : 25

(22) Date of filing of Application :03/06/2013

(54) Title of the invention : A NAVIGATION DEVICE DISPLAYING POINTS OF INTEREST (POI) DEPENDING ON USER PROFILE

| (51) International classification(31) Priority Document No(32) Priority Date | :G01C21/00 :NA :NA | (71)Name of Applicant : 1)ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED |
|--|--------------------------|---|
| (33) Name of priority country | :NA | Address of Applicant :123, INDUSTRIAL LAYOUT, |
| (86) International Application No | :NA | HOSUR ROAD, KORMANGALA, BANGALORE - 560 095 |
| Filing Date | :NA | Karnataka India |
| (87) International Publication No | : NA | 2)ROBERT BOSCH GMBH |
| (61) Patent of Addition to Application Number | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)MADHAN BABU |
| (62) Divisional to Application Number | :NA | 2)AMITESH BHARTI |
| Filing Date | :NA | |

(57) Abstract :

A Navigation device 100 displaying Points of Interest 65 (POI) depending on a user profile 51 is disclosed. The navigation device 100 shows a first receiving means 50 to receive a user profile 51 of a first user 20 a second receiving means 60 to receive a POI 65 and a corresponding attribute 66 to be added to a database of the navigation device from the first user 20 an assignment means 70 to assign the POI 65 and the corresponding attribute 66 to the user profile 51 of the first user 50 and a display means 80 to selectively display the POI 65 to a second user 90 depending on the corresponding attribute 66.

No. of Pages : 11 No. of Claims : 7

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A LAYERED BARRIER MATERIAL AND PROCESS THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No (87) International Publication No (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (87) International to Application Number (87) International Number (87) International Publication Number (87) International Publication Number (87) International Publication Number (87) Filing Date (87) Divisional to Application Number (87) Filing Date (87) Divisional to Application Number (87) Filing Date | Address of Applicant :BANGALORE - 560 012 Karnataka India (72)Name of Inventor : 1)RAMAMURTHY CHANDRASHEKARAPURA, PRAVEEN 2)GUPTA, SATYAJIT 3)SEETHAMRAJU, SINDHU 4)RAGHAVAN, SRINIVAS 5)CHAUDHARY AAKANKSHA |
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(57) Abstract :

The present invention is in relation to the field of material technology. The invention provides a high performance material in the form of layered film, comprising a graphene layer and a polymer layer, which can be adopted for protecting various products in food, pharmaceutical and electronics industry. The invention also provides a method for the preparation of said layered film.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :25/07/2013

(54) Title of the invention : RADIO OPAQUE FIBERS, FILAMENTS, AND TEXTILES

| (51) International classification:A61N(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)RODRIGUES Michael Bastiao Address of Applicant :3/606 C, Nochipalayam Road, Veerapandi Post, Tirupur, 641605, India Tamil Nadu India 2)SIDDAMALAIGOUNDER KRISHNASWAMY Vivekananda 3)SUNDARAVADIVELU Vasanth Kumar (72)Name of Inventor : 1)RODRIGUES Michael Bastiao 2)SIDDAMALAIGOUNDER KRISHNASWAMY Vivekananda 3)SUNDARAVADIVELU Vasanth Kumar |
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(57) Abstract :

A radio opaque fiber, filament, and yarn is disclosed herein. The radio opaque fiber, filament, or yarn comprises a matrix (102) comprising a plurality of radio opaque material (104) and a first polymer (106), where the radio opaque material (104) is at least one of a radio opaque element, an alloy of the radio opaque element, and a compound of the radio opaque element, or a combination thereof, wherein the radio opaque element if of an atomic number greater than or equal to 29, and wherein the matrix (102) forms a unified flexible structure. The radio opaque fiber, filament, or yarn further comprises a carrier polymer (108) which binds the plurality of the matrix (102) and imparts spinnability to form the fiber, filament, and yarn.

No. of Pages : 37 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :18/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR CONTROLLING LAUNDRY TREATING APPRATUS

| (31) Priority Document No:10-2(32) Priority Date:24/0(33) Name of priority country:Rep | 3)CHUN, BOSUN 4)KWON, HOCHEOL |
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(57) Abstract :

Control of a laundry treating apparatus, in which a drum is controlled to accelerate to a first rate of rotation and then decelerate from the first rate of rotation to a second rate of rotation. A deceleration time taken for the drum having accelerated to the first rate of rotation to be decelerated to the second rate of rotation is determined and at least one of a dryness level and a percentage of water content of laundry received in the drum is determined based on the deceleration time. A determination is made as to whether the laundry in the drum includes water-filled laundry based on at least one of the dryness level and the percentage of water content of the laundry in the drum is controlled based on the determination of whether the laundry in the drum includes water-filled laundry in the drum is controlled based on the determination of whether the laundry in the drum includes water-filled laundry.

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

(19) INDIA

(22) Date of filing of Application :02/05/2013

(54) Title of the invention : COMPOSITION COMPRISING OLEANOLIC ACID AND L-HISTIDINE 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 | :A61Q19/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : I)ITC LIMITED Address of Applicant :Corporate R&D ITC R&D Centre Peenya Industrial Area, 1st Phase, Bangalore 560 058, Karnataka India (72)Name of Inventor : KUMARI, Deva JOIS, Prashanth RAJAN, Rajeesha DIXIT, Ajay Kumar CHANDRASEKHARAN, Lakshmanan Chittur BANDYOPADHYAY, Balaji |
|---|--|--|
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(57) Abstract :

The present invention relates to a composition comprising natural and synthetic actives. In particular, the present invention relates to a cosmetic composition comprising oleanolic acid and L-histidine. The cosmetic composition as disclosed herein is useful for preventing and reducing signs of skin aging.

No. of Pages : 28 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN ASSEMBLY FOR CONNECTING ELECTRICAL LOAD

| (51) International classification :H0 | IN (71)Name of Applicant : |
|---|---------------------------------------|
| (31) Priority Document No :NA | |
| (32) Priority Date :NA | I I I I I I I I I I I I I I I I I I I |
| (33) Name of priority country :NA | KHANIJA BHAVAN, 49, RACE COURSE ROAD |
| (86) International Application No :NA | BANGALORE 560 001 Karnataka India |
| Filing Date :NA | (72)Name of Inventor : |
| (87) International Publication No : N | A 1)DEEPAK TIKLE |
| (61) Patent of Addition to Application Number :NA | 2)Inder Lal |
| Filing Date :NA | |
| (62) Divisional to Application Number :NA | |
| Filing Date :NA | |

(57) Abstract :

The invention relates to an assembly for connecting electrical load. The assembly of the invention comprises one part having one set of contacts connected to the live inputs of the electrical supply, and other part having other set of contacts connected to the load. The assembly provides for a safe, easy and secure connection of the electrical load to the live inputs of the electrical supply.

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

(22) Date of filing of Application :05/09/2013

(54) Title of the invention : EXHAUST GAS RECIRCULATION DEVICE FOR INTERNAL COMBUSTION ENGINE

| (51) Internetional description | .E02N | |
|---|-------------|---|
| (51) International classification | :F02M | (71)Name of Applicant : |
| (31) Priority Document No | :2012- | 1)HONDA MOTOR CO., LTD. |
| (51) Thomy Document to | 237603 | Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :29/10/2012 | MINATO-KU, TOKYO, 107-8556 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)TAKASAWA, SHINKICHI |
| Filing Date | :NA | 2)KUSHIMA, SATOSHI |
| (87) International Publication No | : NA | 3)YASUDA, JIROU |
| (61) Patent of Addition to Application Number | :NA | 4)KAWABATA, MITSUHIKO |
| Filing Date | :NA | 5)FUJIWARA, AKIHIKO |
| (62) Divisional to Application Number | :NA | 6)TAKAHASHI, KENSUKE |
| Filing Date | :NA | 7)TSUCHIDA, KOJI |

(57) Abstract :

The removal of both tar product and iron sulfate from an EGR filter is enabled, thereby suppressing pressure loss occurring in the EGR channel caused by tar product and iron sulfate depositing on the EGR filter. A rebound surface (15) at which exhaust gas and condensation water flowing out from the DPF (42) along with the exhaust gas rebound against the exhaust gas flow is provided at a position resisting the flow of exhaust gas having flowed through the DPF (42), on a bottom surface (91) of a coupling part (9) in the low-pressure EGR channel (11) on an upstream side of the EGR filter (12) in the exhaust flow direction, and the EGR filter (12) is arranged at a position at which the exhaust gas and condensation water having rebounded from the rebound surface (15) directly hit.

No. of Pages : 43 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :16/09/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : POWER CONVERSION 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 | :H02M7/00 :201210359161.0 :24/09/2012 :China :NA :NA :NA : NA | (71)Name of Applicant : 1)GENERAL ELECTRIC COMPANY Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A. (72)Name of Inventor : 1)MAO, SAIJUN |

(57) Abstract :

A power conversion system includes a filter unit, a DC/DC converter, a DC link, an inverter, a control unit, and a traction motor. The DC/DC converter is used for boosting DC voltage of a DC source and electrically coupled to the DC source through the filter unit. The DC/DC converter includes multiple SiC MOSFETs configured in a synchronous rectification mode by channel reverse conduction control. The inverter is used for converting the boosted DC voltage from the converter to multi-phase AC voltage through the DC link. The control unit is used for providing PWM commands to the converter and the inverter, to convert the DC voltage to AC voltage configured to drive an AC driven device.

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

(22) Date of filing of Application :20/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : FRAME SUPPORTING STRUCTURE WITH A RECEIVING CONTAINER FOR AT LEAST ONE UTILITY VEHICLE COMPONENT

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B62D :10 2012 019 023.9 :26/09/2012 :Germany :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)MAN TRUCK & BUS AG Address of Applicant :DACHAUER STR. 667, 80995 MUNCHEN Germany (72)Name of Inventor : 1)GRIMM, THOMAS 2)FISMANN, TOBIAS 3)BRAUN, REIMAR 4)ESEBECK, GOTZ VON |
|---|--|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |
| | | |

(57) Abstract :

The invention relates to a frame supporting structure (100), preferably a chassis, for a utility vehicle, preferably a lorry, in particular a semitrailer tractor. The frame supporting structure (100) comprises at least one receiving container (1) for at least one utility vehicle component, two longitudinal member constructions (2) which are expediently spaced apart from each other in the transverse direction (Q) of the frame supporting structure (100), a rear axle (HA) for the utility vehicle, and an end cross member (3) which is preferably arranged behind the rear axle (HA). The frame supporting structure (100) is distinguished in particular in that the receiving container (1) is arranged behind the rear axle (HA).

No. of Pages : 22 No. of Claims : 18

(22) Date of filing of Application :19/08/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : LEAKAGE CURRENT DETECTION CIRCUIT, SEMICONDUCTOR APPARATUS, LED ILLUMINATION APPARATUS, AND VEHICLE

| (51) International classification | :H03K19/00 | (71)Name of Applicant : |
|---|------------------|---|
| (31) Priority Document No | :2012- 182494 | 1)ROHM CO., LTD. Address of Applicant :21, SAIIN MIZOSAKI-CHO, UKYO- |
| (32) Priority Date | | KU, KYOTO-SHI, KYOTO, 615-8585 Japan |
| (33) Name of priority country | :Japan | 2)HONDA MOTOR CO., LTD. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)MIYAMOTO, KOUJI |
| (87) International Publication No | : NA | 2)NAKAYAMA, MASAAKI |
| (61) Patent of Addition to Application Number | :NA | 3)AOKI, AKIRA |
| Filing Date | :NA | 4)OKAMOTO, KOJI |
| (62) Divisional to Application Number | :NA | 5)ANDO, MASAHARU |
| Filing Date | :NA | 6)TSUCHIYA, YOSUKE |

(57) Abstract :

A leakage current detection circuit detects a switch current flowing in a switch which is targeted for leakage monitoring, and generates a detection signal to prohibit operation of a control target circuit which is targeted for control when the switch current does not reach a predetermined threshold value.

No. of Pages : 50 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :11/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SAFETY DEVICE FOR A TECHNICAL INSTALLATION OR A TECHNICAL PROCESS (51) International classification :G05B (71)Name of Applicant : (31) Priority Document No 1)ABB TECHNOLOGY AG :12006490.2 (32) Priority Date Address of Applicant : AFFOLTERNSTRASSE 44, CH-8050 :15/09/2012 ZURICH Switzerland (33) Name of priority country :EPO (86) International Application No (72)Name of Inventor : :NA Filing Date :NA **1)MARTIN HOLLENDER** (87) International Publication No : NA 2)TONY B. ATKINSON (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 safety device and a method for detecting and evaluating the degree of attention of an operator of a technical installation or a technical process, hav¬ing a first module (11) which records values of predefined physiological parameters of the operator and determines a first characteristic number (KPI1) from the recorded val¬ues, compares the determined first characteristic number (KPI1) with a predefined first characteristic value and, if the first characteristic value is exceeded and/or undershot or if a predefined first range of characteristic values is left, activates a second module (12) which records further values provided by a checking or triggering mechanism. The sec¬ond module (12) determines a second characteristic number (KPI2) for the degree of attention of the operator from the recorded further values, compares the second characteristic number (KPI2) with at least one second predefined characteristic value and, if the second characteristic value is exceeded and/or undershot or if a predefined second range of characteristic values is left, triggers an activation module in order to take coun-termeasures (14) which increase the attention of the operator of the installation.

No. of Pages : 14 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :11/09/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : BACKFILLING POINTS IN A POINT CLOUD | | | |
|---|-------------|--|--|
| (51) International classification | :G06T7/00 | (71)Name of Applicant : | |
| (31) Priority Document No | :13/673,429 | | |
| (32) Priority Date | :09/11/2012 | Address of Applicant :100 NORTH RIVERSIDE PLAZA, | |
| (33) Name of priority country | :U.S.A. | CHICAGO, IL 60606-2016 U.S.A. | |
| (86) International Application No | :NA | (72)Name of Inventor : | |
| Filing Date | :NA | 1)TERRELL NATHAN MUNDHENK | |
| (87) International Publication No | : NA | 2)YURI OWECHKO | |
| (61) Patent of Addition to Application Number | :NA | 3)KYUNGNAM KIM | |
| Filing Date | :NA | | |
| (62) Divisional to Application Number | :NA | | |
| Filing Date | :NA | | |

(57) Abstract :

An apparatus, system, and method for increasing points in a point cloud (132). In one illustrative embodiment, a two-dimensional image (121) of a scene (110) and the point cloud (132) of the scene (110) are received. At least a portion of the points in the point cloud (132) are mapped to the two-dimensional image (121) to form transformed points (146). A fused data array (150) is created using the two-dimensional image (121) and the transformed points (146). New points (164) for the point cloud (132) are identified using the fused data array (150). The new points (164) are added to the point cloud (132) to form a new point cloud (162).

No. of Pages : 61 No. of Claims : 15

(54) Title of the invention : ROTARY COMPRESSOR

(19) INDIA

(22) Date of filing of Application :13/09/2013

(43) Publication Date : 30/01/2015

| (51) International classification | :F04C18/00 | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :2012- | 1)MITSUBISHI ELECTRIC CORPORATION |
| (31) Honry Document No | 219197 | Address of Applicant :7-3, MARUNOUCHI 2-CHOME, |
| (32) Priority Date | :01/10/2012 | CHIYODA-KU, TOKYO 100-8310 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)TANI, MASAO |
| Filing Date | :NA | 2)KATO, TARO |
| (87) International Publication No | : NA | 3)UKIOKA, MOTOKAZU |
| (61) Patent of Addition to Application Number | :NA | 4)ARAI, TOSHINORI |
| Filing Date | :NA | 5)GOMAE, NAOHISA |
| (62) Divisional to Application Number | :NA | 6)SATO, KOICHI |
| Filing Date | :NA | |

(57) Abstract :

[Object] To provide a rotary compressor that allows a displacement to be increased while a reduction in sealing performance between a high-pressure side space and a low-pressure side space in a cylinder chamber is prevented. [Solution] A rotary compressor 100 includes a compression mechanism including a piston 20 slidably attached to an offset portion 4c of a crankshaft 4, a cylinder 7 including a cylindrical cylinder chamber in which the offset portion 4c and the piston 20 are arranged, and a vane 9 separating the cylinder chamber into a low-pressure side space and a high-pressure side space. The piston 20 includes an inner piston component 21 slidably disposed on an outer circumferential surface of the offset portion 4c and an outer piston component 22 disposed on an outer circumferential surface of the inner piston component 21. The inner piston component 21 is composed of a plurality of arc-shaped members 21a, formed by splitting the inner piston component 21 at a plane along the axis of the offset portion 4c.

No. of Pages : 28 No. of Claims : 7

(22) Date of filing of Application :18/09/2013

(54) Title of the invention : ROBOT SYSTEM AND WORKPIECE TRANSFER METHOD

| (51) International classification | :B25J9/00 | (71)Name of Applicant : |
|--|-----------------------|--|
| (31) Priority Document No | :2012- | 1)KABUSHIKI KAISHA YASKAWA DENKI |
| (32) Priority Date | 207036 ·20/09/2012 | Address of Applicant :2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806- |
| (33) Name of priority country | :Japan | 0004 Japan |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date (87) International Publication No | :NA : NA | 1)TOSHIAKI SHIMONO 2)TARO NAMBA |
| (61) Patent of Addition to Application Number | :NA | 3)TOSHIHIRO TOMO |
| Filing Date | :NA | |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

There is provided a robot system including a first robot arm provided with a holding unit for holding one of workpieces arranged on a workpiece arrangement unit and configured to transfer the one workpiece held by the holding unit, and a second robot arm provided with a detecting unit for detecting an arrangement state of the one workpiece. The robot system further includes a detecting operation control unit configured to perform a control operation in such a way that, during the operation of the first robot arm, the detecting unit detects the arrangement state of another one of the workpieces.

No. of Pages : 51 No. of Claims : 16

(19) INDIA

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : CIRCUIT ARRANGEMENT FOR CONNECTION TO AN ELECTRICAL CIRCUIT

| Filing Date | ment No ity country Application No Publication No ition to Application Number | :NA | (71)Name of Applicant : 1)GE ENERGY POWER CONVERSION GMBH Address of Applicant :CULEMEYERSTRASSE 1, BERLIN, 12277 Germany (72)Name of Inventor : 1)GESKE, MARTIN 2)JAKOB, ROLAND |
|-----------------------------------|---|------------|--|
| (62) Divisional to Filing Date | Application Number | :NA :NA | |
| U | | | |

(57) Abstract :

An electrical circuit (10) is described which includes a transformer (12) with primary winding (13) connected to the electric power grid (17) and secondary winding (14) connected to a power converter (19) with a capacitor (20). It includes a circuit arrangement (25) which is connected to the electrical circuit (10). The circuit arrangement (25) has a primary winding (13) coupled to the auxiliary winding (27), which is connected to a switching device (28).

No. of Pages : 15 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :18/09/2013

(43) Publication Date : 30/01/2015

| (51) International classification :C09D | (71)Nome of Applicant : |
|--|---|
| (31) Priority Document No:2012- 224136(32) Priority Date:09/10/2012(33) Name of priority country:Japan(86) International Application No:NAFiling Date:NA(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(66) Divisional to Application Number:NA(67) Divisional to Application Number:NA(68) Date:NA | (71)Name of Applicant : 1)CANON KABUSHIKI KAISHA Address of Applicant :30-2, SHIMOMARUKO 3-CHOME, OHTA-KU, TOKYO Japan (72)Name of Inventor : 1)OLIVIA HERLAMBANG 2)YASUHIRO NITO 3)HISAO KAMO |

(57) Abstract :

The invention provides a recording medium having a substrate, a first ink receiving layer and a second ink receiving layer which is an outermost layer in this order, wherein the first ink receiving layer contains alumina hydrate and polyvinyl alcohol, the second ink receiving layer contains alumina hydrate, polyvinyl alcohol, a cationic polymer particle and a zirconium compound, and the thickness of the second ink receiving layer is 3 pm or more and 10 urn or less.

No. of Pages : 69 No. of Claims : 5

(22) Date of filing of Application :13/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TRAVERSE DRUM, YARN WINDING DEVICE, AND METHOD OF MANUFACTURING TRAVERSE DRUM

| (87) International Publication No: NA3)KAZ(61) Patent of Addition to Application Number:NAFiling Date:NA | GIFU 509-5142 Japan fame of Inventor : IASAO HIRUKAWA ATSUYA TANAKA AZUKI ICHIHARA |
|--|--|
| | |

(57) Abstract :

An undercut portion (31) is formed in a traverse groove (22) of a traverse drum (17). The undercut portion (31) has a portion whose surface on a center side of the drum main body (21) in an axial direction thereof is curved toward the center side as a position on the surface becomes deeper in a depth direction of the traverse groove (22). Because of this undercut portion (31), a yarn can be engaged with a surface of the traverse groove (22) under a suitable tension. Winding of the yarn into a package can be achieved without any problem of the yarn coming off the traverse groove (22) while being guided or the yarn not being smoothly fed from the traverse drum (17) and failing to be wound into the package.

No. of Pages : 26 No. of Claims : 9

(22) Date of filing of Application :13/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TRAVERSE DRUM, YARN WINDING DEVICE, AND METHOD OF MANUFACTURING TRAVERSE DRUM

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :2012- 212855 | (71)Name of Applicant : 1)NIMEI SEIKI CO., LTD. Address of Applicant :1431-55 KUJIRI, IZUMI-CHO, TOKI-SHI, GIFU 509-5142 Japan (72)Name of Inventor : 1)MASAO HIRUKAWA |
|--|----------------------------------|---|
| 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 :NA | 2)KATSUYA TANAKA 3)KAZUKI ICHIHARA |

(57) Abstract :

A traverse drum (17) that traverses a yarn that is to be wound into a package includes a drum main body (21) and a sleeve (30). The drum main body (21) has a traverse groove (22) for traversing the yarn. The drum main body (21) is formed of a resin. The sleeve (30) is arranged inside the drum main body (21). A supporting member (103) that rotatably supports the drum main body (21) is inserted into the sleeve (30).

No. of Pages : 42 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : NON-VOLATILE OPTO-ELECTRONIC DEVICE

| (51) International classification | :H01L29/00 | (71)Name of Applicant : |
|---|------------|---|
| (31) Priority Document No | :NA | 1)Indian Institute of Science |
| (32) Priority Date | :NA | Address of Applicant :Department of Physics, Indian Institute |
| (33) Name of priority country | :NA | of Science Bangalore 560 012 Karnataka India |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)ROY, Kallol |
| (87) International Publication No | : NA | 2)PADMANABHAN, Medini |
| (61) Patent of Addition to Application Number | :NA | 3)ARINDAM, Ghosh |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present invention relates to an opto-electronic switch/memory device utilizing thin layer of exfoliated graphene laid upon monolayer or multilayer of MoS2, forming a hetero-hybrid structure. The specific architecture of the device is planar, which can be made by laying a continuous sheet of graphene on a continuous sheet of MoS2 (graphene-on-MoS2) and electrode contacts are placed only on graphene layer forming an in-plane geometry.

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

(19) INDIA

(22) Date of filing of Application :02/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : WINDING MATERIAL EXPANSION DEVICE (51) International classification :B65H (71)Name of Applicant : 1)GEORG SAHM GMBH & CO. KG :10 2012 (31) Priority Document No Address of Applicant :SUDETENLANDSTRASSE 33, 37269, 215 772.7 :05/09/2012 ESCHWEGE Germany (32) Priority Date (72)Name of Inventor : (33) Name of priority country :Germany **1)GORKE, CARSTEN** (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 invention relates to a winding material expansion device (10). In the winding material expansion device (10) a winding material (5) is guided in a meandering manner between rollers (16, 17, 18, 19) for guiding and/or expanding the winding material (5). For simplifying a removal of the winding material (5) from the winding material expansion device (10) and/or introducing the winding material (5) into the winding material expansion device (10) rollers (16,17) are displaceable, in particular pivotable, such that in a removal position of the rollers (16, 18) the winding material is freely accessable.

No. of Pages : 39 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :20/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD AND SYSTEM FOR DEMAND RESPONSE MANAGEMENT

| | 110012/00 | |
|---|-------------|--|
| (51) International classification | :H02J3/00 | (71)Name of Applicant : |
| (31) Priority Document No | :13/629,827 | 1)GENERAL ELECTRIC COMPANY |
| (32) Priority Date | :25/09/2012 | Address of Applicant :1 RIVER ROAD, SCHENECTADY, |
| (33) Name of priority country | :U.S.A. | NEW YORK 12345 U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)CHEN, WEIWEI |
| (87) International Publication No | : NA | 2)BLACK, JASON WAYNE |
| (61) Patent of Addition to Application Number | :NA | 3)TYAGI, RAJESH |
| Filing Date | :NA | 4)WANG, XING |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method for demand response management includes determining a number of available demand response events and a number of opportunities available to issue the available demand response events. A priority for each demand response event is provided and a threshold value for each demand response vent is determined. A highest priority demand response event among the available demand response events whose threshold value is lower than an observed value of a selected demand response trigger is selected and control signals to utilize the selected demand response event for a current opportunity are transmitted to customer sites.

No. of Pages : 26 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A NOVEL HYBRID DENTAL IMPLANT FOR PROSTHETIC TOOTH REPLACEMENT (51) International classification :A61C8/00 (71)Name of Applicant : (31) Priority Document No 1)DR. VARGHESE MANI :NA (32) Priority Date Address of Applicant :MANGALATH, POTTAYAL LANE, :NA (33) Name of priority country M.G. ROAD, THRISSUR - 680 004 Kerala India :NA (86) International Application No (72)Name of Inventor : :NA **1)DR. VARGHESE MANI** Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :3453/CHE/2011 Filed on :05/10/2011 (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention relates to a novel hybrid dental implant for prosthetic tooth replacement for anchoring in a jawbone. It comprise of a prefabricated malleable thin elongated laminar plate (1) having a vestibular anchoring part and a lingual or palate anchoring part with screw holes (3) for fixing at the jaw bone by means of screws (5); a stump (2) projecting out of said malleable plate (1) in the middle provided with central hole (2a) having internal thread; and an abutment with screw as a single unit (4) which has an abutment part or screw head (4a) and threaded screw part (4b). Said screw part (4b) is fixed in said central hole (2a) of said projecting stump (2) and gets it locked in the thread and the rest of the part gets engaged in the bone. The prosthetic crown (8) can be fixed on said abutment part (4a).

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : GENETICALLY MODIFIED RUMEN MICROBES FOR PRODUCTION OF ALCOHOL AND ALLIED DOWNSTREAM PRODUCTS FROM LIGNOCELLULOSIC FEEDSTOCK

| (31) Priority Document No (32) Priority Date (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 :NA | (71)Name of Applicant : 1)Mutalik Vijayarao Sampanna Address of Applicant : A/1, First Main, First Cross, Vidyanagar, Davangere 577 004, Karnataka India (72)Name of Inventor : 1)Mutalik Vijayarao Sampanna |
|--|--|---|
| | :NA | |

(57) Abstract :

The present invention relates to genetically modified rumen microbes which has been transformed by inserting into it a plasmid vector containing a gene of interest, an inducible promoter etc. The modified rumen microbes is used for efficient, cost-effective and environment-friendly production of ethanol, and allied down-stream products from plant material including but not limited to agricultural and forestry processing wastes or plant based industrial waste. The process of producing ethanol from lignocelluloses using genetically modified microbes offers various advantages over existing methods that the ethanol is produced in higher yield. As the process utilizes plant material wastes that are generated in various paper and pulp industry as feedstock, the process helps in agricultural waste management.

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

(19) INDIA(22) Date of filing of Application :19/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : TONER, DEVELOPMENT AGENT, AND IMAGE FORMING APPARATUS

| (31) Priority Document No:2(32) Priority Date:2(33) Name of priority country:J(86) International Application No:NFiling Date:N(87) International Publication No: N | G03G9/00(71)Name of Applicant : 1)RICOH COMPANY,LTD.162524Address of Applicant :3-6, NAKAMAGOME 1-CHOME, OHTA-KU, TOKYO 143-8555 Japan23/07/2012OHTA-KU, TOKYO 143-8555 Japan(72)Name of Inventor : NA1)SUSUMU CHIBANA2)HIROSHI YAMASHITANA3)DAISUKE ASAHINANA4)TSUYOSHI SUGIMOTO |
|--|--|
| 11 | NA 4)TSUYOSHI SUGIMOTO NA 5)TAICHI NEMOTO |
| | NA 6)SATOYUKI SEKIGUCHI NA |

(57) Abstract :

Toner contains a binder resin and a colorant, wherein the binder resin contains a resin having a polyhydroxy carboxylic acid skeleton, wherein the toner has a half effusion temperature of from 80 °C to 120 °C as measured by a temperature rising method using a flow tester.

No. of Pages : 46 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :17/09/2013

| (54) Title of the invention : SADDLE-RIDE TYPE | E VEHICLE | |
|--|-------------|---|
| | | |
| (51) International classification | :B62K | (71)Name of Applicant : |
| (31) Priority Document No | :2012- | 1)HONDA MOTOR CO., LTD. |
| (51) Thomy Document No | 209610 | Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
| (32) Priority Date | :24/09/2012 | MINATO-KU, TOKYO, 107-8556 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)KUSANO, TAKUHEI |
| Filing Date | :NA | 2)ISOMURA, MAMORU |
| (87) International Publication No | : NA | 3)WAKABAYASHI, SHINICHI |
| (61) Patent of Addition to Application Number | :NA | 4)TERADA, MITSURU |
| Filing Date | :NA | 5)SUZUKI, TOSHIYA |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

To provide a saddle-ride type vehicle capable of protecting a canister from the outside without causing an increase in the component count and an increase in the footprint. [Constitution] A pair of left and right seat rails 5L, 5R are coupled to a rear portion of a main frame 4, while a pair of left and right center pipes 7L, 7R are coupled to a portion below a bend of the rear portion of the main frame 4. A pair of left and right rear pipes 8L, 8R is provided, which extend respectively from the left and right center pipes 7L, 7R in an obliquely rearward and upward direction until their rear ends are coupled to the corresponding left and right seat rails 5L, 5R. An air cleaner 16 is placed between the left and right seat rails 5L, 5R. A canister 37 is placed on one lateral side of the air cleaner 16 in the vehicle width direction within an area surrounded by the seat rails 5L, 5R, the center pipes 7L, 7R and the rear pipes 8L, 8R in side view.

No. of Pages : 38 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :17/09/2013

| (54) Title of the invention : PRESSURE GAUGE | | |
|---|-----------------------|---|
| | | |
| (51) International classification | :G01F23/00 | (71)Name of Applicant : |
| (31) Priority Document No | :10 2012 110 142.6 | 1)BORGWARNER BERU SYSTEMS GMBH Address of Applicant :MOERIKESTRASSE 155, D-71636 |
| (32) Priority Date | :24/10/2012 | LUDWIGSBURG Germany |
| (33) Name of priority country | :Germany | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)POTTIEZ, CHRISTIAN |
| Filing Date | :NA | 2)LAST, BERND |
| (87) International Publication No | : NA | 3)RIXECKER, GEORG |
| (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 pressure gauge for measuring the pressure in a combustion chamber of an engine, comprising a housing (1), a tappet (2), which is movable in the housing (1) in an axial direction under the action of combustion chamber pressure, a sensor (4) for detecting an axial displacement of the tappet (2), and a force transmitter (3), in order to transmit a force loading the tappet (2) to the sensor (4). In accordance with the invention, the force transmitter (3) has at least one damping section for damping flexural vibrations, at which its flexural rigidity is reduced.

No. of Pages : 15 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/08/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DISPLAY CONTROL APPARATUS AND DISPLAY CONTROL METHOD

| (51) International classification | :G06F1/00 | (71)Name of Applicant : |
|---|-----------------------|--|
| (31) Priority Document No | :2012- | 1)CANON KABUSHIKI KAISHA |
| (32) Priority Date | 183598 :22/08/2012 | Address of Applicant :30-2, SHIMOMARUKO 3-CHOME, OHTA-KU, TOKYO Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)OKADA, KOICHI |
| 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 display control apparatus comprises an internal temperature measurement unit, a fan, a fan controller which controls to rotate the fan when the internal temperature becomes not lower than a start threshold, and to stop the fan when the internal temperature becomes lower than a stop threshold, and a display controller which controls to display first information when the internal temperature becomes not lower than a first threshold, and to display second information in place of the first information when the internal temperature becomes higher than the first threshold and not lower than a second threshold higher than the stop threshold, and control to continue display of the second information even when the internal temperature becomes lower than the second threshold, and to set the second information in a non-display state when the fan is stopped.

No. of Pages : 91 No. of Claims : 25

(22) Date of filing of Application :27/08/2013

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

| (51) International classification(31) Priority Document No | :F02D41/00 :2012- 193494 | (71)Name of Applicant : 1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, |
|---|--------------------------------|---|
| (32) Priority Date | :03/09/2012 | MINATO-KU, TOKYO, 107-8556 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)UTSUGI, KATSUHIRO |
| Filing Date | :NA | 2)IBATA, RYOSUKE |
| (87) International Publication No | : NA | 3)KOMURO, KATSUNORI |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

To provide a fuel injection control system for an internal combustion engine which allows an improvement in the accuracy of fuel injection control through efficient subdivision of a correction factor learning region. [Solution] The fuel injection control system for the internal combustion engine includes: a KBU map 54 that defines plural previously-separated learning regions Al to A6 in accordance with a load of the internal combustion engine E; learning control means 56 that performs learning for obtaining environmental correction factors KBU1 to KBU6 to be applied to the learning regions Al to A6 correspondingly to an average value KO2ave of a feedback correction factor KO2 calculated on the basis of an output of an O2 sensor 32; and injection quantity correcting means 52 that corrects a fuel injection quantity in accordance with the environmental correction factors KBU1 to KBU6. The fuel injection control system is provided with dividing means 55 that, with at least one of the learning regions Al to A6 as a parent learning region A3, divides the parent learning region A3 into two child learning regions A3-1 and A3-2 with the completion of learning in the parent learning region A3 as a trigger. The learning control means 56 performs learning again in each of the child learning regions to obtain new environmental correction factors KBU3-1 and KBU3-2.

No. of Pages : 38 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :13/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE AND COMMAND PROCEDURE FOR ACTIVE MAGNETIC BEARING (51) International classification :H02K (71)Name of Applicant : (31) Priority Document No **1)GE ENERGY POWER CONVERSION TECHNOLOGY** :1258689 :17/09/2012 LTD (32) Priority Date (33) Name of priority country Address of Applicant :BOUGHTON ROAD, RUGBY, :France (86) International Application No WARWICKSHIRE CV21 1BU U.K. :NA Filing Date :NA (72)Name of Inventor : (87) International Publication No : NA **1)DE LEPINE, XAVIER** (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

This command procedure for an active magnetic bearing (10), the magnetic bearing (10) comprising: - A series of electromagnetic actuators (18A, 18B, 20A, 20B, 22A, 22B, 24A, 24B) forming a stator, each actuator being suitable for exerting radial force on the rotor (12), - A ferromagnetic body (12) forming a rotor, kept free of contact between the electromagnetic actuators and suitable for being set in rotation around an axis of rotation (Z-Z), the rotor (12) being suitable to undergo precession movements in particular. - Sensors (16A, 16B, 16C, 16D) suitable for detecting radial displacements of the rotor (12) and issuing position signals (Xi, X2, Yi, Y2) representative of the radial position of the rotor (12) in relation to the actuators. Comprises the following stages: - Calculation of at least one actuator command signal (Ixi, Ix2, IYL ta) the calculation of the command signal (Ixi, 1x2, IYL IY2) consisting of the application of at least one transfer function to the position signals (Xi, X2, Yi, Y2), the transfer function containing a number of correction coefficients. - The application of the or each command signal calculated (Ixi, 1x2, IYL IY2> at the input point of an actuator. In this procedure, at least one correction coefficient depends continually on the rotation speed of the rotor (12) and the or each command signal (Ixi, 1x2, IYL> IY2) is suitable for commanding continuous offset of the precession movements of the rotor (12).

No. of Pages : 28 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :19/09/2013

| (54) Title of the invention : SUSPENSION APPARATUS | | |
|--|------------------|---|
| | D(AC | |
| (51) International classification | :B60G | (71)Name of Applicant : |
| (31) Priority Document No | :2013- 074693 | 1)SHOWA CORPORATION Address of Applicant :1-14-1, FUJIWARA-CHO, GYODA- |
| (32) Priority Date | :29/03/2013 | SHI, SAITAMA 361-8506 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MATSUI, MASANAO |
| 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 object of the present invention is to provide a suspension apparatus that enables a suspension spring or a shock absorber to be easily replaced or changed. A front fork includes a shock absorber which damps vibration of a suspension spring provided between a vehicle body and a wheel and which includes a cylinder and a piston rod connected to the cylinder so as to be movable in an axial direction, a bar-like fork pipe 51 provided parallel to the shock absorber and enabling a wheel to be steered; a bracket connected to the vehicle body to support the cylinder of the shock absorber and a vehicle body side end portion of the fork pipe; and a bottom case having a shock absorber holding portion that holds a wheel side end portion of the fork pipe so that the wheel side end portion is enabled to slide in the axial direction, this shock absorber holding portion being coupled to the piston rod of the shock absorber, and the bottom case further having an axle holding portion that holds an axle of the wheel at a position different from a position where the shock absorber holding portion of the side end portion of the fork pipe.

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

(22) Date of filing of Application :20/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : THERMOPLASTIC COPOLYMER INSULATED COIL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :13/630,204 :28/09/2012 | |
|--|----------------------------|------------------------|
| (87) International Publication No | : NA | 2)MUSINANA, RAVI KUMAR |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A method for insulating a motor/generator coil includes providing a thermoplastic copolymer material in liquid form and applying a coating of the thermoplastic copolymer to the motor/generator coil in a thickness sufficient to withstand a predetermined minimum voltage threshold.

No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A STOP MOTION ARRANGEMENT FOR TOP COMB LOCKING IN COMBER

| (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)LAKSHMI MACHINE WORKS LTD. Address of Applicant :PERIANAICKENPALAYAM, COIMBATORE 641 020 Tamil Nadu India (72)Name of Inventor : 1)SEL VADA L CANESUKLIMAD |
|--|---------------------------|---|
| Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number | :NA : NA :NA :NA | 1)SELVARAJ GANESHKUMAR 2)SIVALINGAM SURESH KUMAR |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

According to the present invention, the top comb locking arrangement for a combing machine comprises a plurality of serially arranged top comb holders, each having a provision for fixing the top comb; at least a spring plate is provided at the top comb carrier where the adjacent top comb holders are supported. The spring plate is being mounted to the carrier by means of a holding member; at least a sensing device is provided to detect the position of the said spring plate. Whenever the circuit is in open state, the signal is being read by the machine controller and which wont allow the machine to start and run. If the circuit is in close state, the signal is being read by the machine controller and allows the machine to start and run.

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

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF TENOFOVIR

| (51) International classification | ·C07E0/00 | (71)Name of Applicant : |
|---|-----------|---|
| | | |
| (31) Priority Document No | :NA | 1)TYCHE INDUSTRIES LIMITED |
| | :NA | Address of Applicant :H.NO: C-21/A, ROAD NO.9, FILM |
| (33) Name of priority country | :NA | NAGAR, JUBILEE HILLS, HYDERABAD - 500096 Andhra |
| (86) International Application No | :NA | Pradesh India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)NARAYANA RAO MUTYALA |
| (61) Patent of Addition to Application Number | :NA | 2)RAMADAS CHAVAKULA |
| | :NA | 3)SRINIVASA RAO CHENNUPATI |
| (62) Divisional to Application Number | :NA | 4)PRAVEEN KUMAR KOTHA |
| Filing Date | :NA | 5)SANDEEP GOKARAJU |

(57) Abstract :

The present invention relates to an improved process for the preparation of Tenofovir. More particularly the present invention relates to the preparation of Tenofovir disoproxil fumarate.

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.4160/CHE/2013 A (19) INDIA (22) Date of filing of Application :17/09/2013 (43) Publication Date : 30/01/2015 (54) Title of the invention : PROCESS FOR PRODUCING1, 3-BUTADIENE BY DIMERIZING ETHYLENE AND DEHYROGENATING THE BUTENES OBTAINEDP :C07C2/00 (51) International classification (71)Name of Applicant : (31) Priority Document No :12/02.509 1)AXENS (32) Priority Date :21/09/2012 Address of Applicant :89 BD FRANKLIN ROSSEVELT, B.P. (33) Name of priority country 50802, 92508 RUEIL MALMAISON, CEDEX France :France (86) International Application No :NA (72)Name of Inventor : Filing Date 1)ROLLAND, GILDAS :NA

The present invention describes a process for the production of 1,3-butadiene from ethylene by dimerizing ethylene into butenes using

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:NA

:NA

:NA

No. of Pages : 23 No. of Claims : 15

(87) International Publication No

(62) Divisional to Application Number

Filing Date

Filing Date

(57) Abstract :

(61) Patent of Addition to Application Number

homogeneous catalysis and dehydrogenating the butenes obtained.

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :18/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : METHOD FOR CONTROLLING LAUNDRY TREATING APPRATUS

| (51) International classification | :D06F58/00 | (71)Name of Applicant : |
|---|-----------------------|---|
| (31) Priority Document No | :10-2012- 0105763 | 1)LG ELECTRONICS INC. Address of Applicant :20 YEOUIDO-DONG, |
| (32) Priority Date | | YEONGDEUNGPO-GU, SEOUL 150-721 Republic of Korea |
| (33) Name of priority country | :Republic of Korea | (72)Name of Inventor : 1)CHUNG, BOSUN |
| (86) International Application No | :NA | 2)JANG, YONGWOON |
| Filing Date | :NA | 3)LEE, HOONBONG |
| (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 disclosure Control of a laundry treating apparatus, in which at least one of a dryness level and a percentage of water content of laundry received in a drum of the laundry treating apparatus is determined. A determination is made as to whether the laundry in the drum includes water-filled laundry based on at least one of the dryness level and the percentage of water content of the laundry in the drum. Dehydration drying of the laundry in the drum is controlled based on the determination of whether the laundry in the drum includes water-filled laundry.

No. of Pages : 46 No. of Claims : 22

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

(43) Publication Date : 30/01/2015

(54) Title of the invention : DEVICE FOR AIDING COMMUNICATION IN THE AERONAUTICAL DOMAIN

(57) Abstract :

The device (1) comprises means (11) for recording audio messages corresponding to all the incoming and outgoing audio communications, means (13) for transcribing, in real time, each of said audio messages into a textual message, means (15) for displaying, on at least one screen (17), each textual message thus generated, and means able to play back any recorded audio message.

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

(21) Application No.3330/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELECTRICITY SELF-SUPPLY TYPE BUS STOP (51) International classification :H01M (71)Name of Applicant : (31) Priority Document No 1)COREMATE TECHNICAL CO., LTD. :NA (32) Priority Date Address of Applicant :1F. NO.66-5, SEC.2, NAN KAN RD. :NA (33) Name of priority country LU-CHU HSIANG, TAOYUAN, TAIWAN :NA (72)Name of Inventor : (86) International Application No :NA Filing Date :NA 1)Wang, Robert (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 electricity self-supply type bus stop includes a fixed rod provided with a complex stop board and an upper shed. The upper shed has an inner peripheral side installed with an illuminating lamp and an outer peripheral side disposed with an indicating lamp positioned over the illuminating lamp. The fixed rod further has at least one power generation device secured thereon. By so designing, the electricity self-supply type bus stop can self-supply electric power for creating a bright waiting environment to increase safety of passengers waiting to take buses at night and also enable the passengers to read the information on the complex stop board and for starting the indicating lamp to emit light to let an approaching bus know that there are passengers waiting to take the bus at the stop, thus increasing safety of the passengers waiting at the stop at night and conforming to economic gains.

No. of Pages : 22 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :04/09/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : VIRTUAL REALITY DISPLAY 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 | :A61F9/00 :13/661,971 :26/10/2012 :U.S.A. :NA :NA :NA :NA :NA :NA :NA | |

(57) Abstract :

A method and apparatus for displaying a virtual environment (204). First eye position information (226) for a first eye (234) in a head (236) of a person (206) and second eye position information (228) for a second eye (240) in the head (236) of the person (206) is received. A first image (252) of the virtual environment (204) for the first eye (234) is generated based on the first eye position information (226). A second image (254) of the virtual environment (204) for the second eye (240) is generated based on the second eye position information (228) for the second eye (240). The first image (252) and the second image (254) for display are sent to the person (206).

No. of Pages : 45 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :28/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : RATIO SHIFT CONTROL SYSTEM FOR AN AUTOMATIC TRANSMISSION

| (31) Priority Document No :201 1420 | Address of Applicant :300, Takatsuka-cho, Minami-ku, Mamantsu-shi, Shizuoka-ken, Japan (72)Name of Inventor : 1)Shingo KOIZUMI 2)Satohiro YOSHIDA |
|--|---|
|--|---|

(57) Abstract :

A ratio shift control system for an automatic transmission calculates the magnitude of a difference in temperature between a detected engine coolant temperature and a detected outside air temperature, which are detected by coolant and outside air temperature sensors, respectively, during one engine start of an internal combustion engine. Ratio shift in the automatic transmission is controlled based on the detected outside air temperature during the one engine start when the magnitude of the difference in temperature is equal to or less than a predetermined cold engine evaluation threshold.

No. of Pages : 24 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SLIDING MECHANISM OF AN AXLE OF A RAIL CUM ROAD VEHICLE ALLOWS ITS SUPER STRUCTURE OR ITS TWO INDEPENDENTLY ROTATING FLANGED WHEELS SLIDE OVER IT

| (51) International classification | :B60W | (71)Name of Applicant : |
|---|-------|---|
| (31) Priority Document No | :NA | 1)MUTHUSAMY VENKATACHALAM THOORUN |
| (32) Priority Date | :NA | Address of Applicant :64/12, NAGU FLATS, GEETHA |
| (33) Name of priority country | :NA | NAGAR, 2ND STREET, PERUNDURAI ROAD, EORDE - 638 |
| (86) International Application No | :NA | 011 Tamil Nadu India |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)MUTHUSAMY VENKATACHALAM THOORUN |
| (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 and processes of SLIDING MECHANISM OF AN AXLE OF A RAIL CUM ROAD VEHICLE ALLOWS ITS SUPER STRUCTURE OR ITS TWO INDEPENDENTLY ROTATING FLANGED WHEELS SLIDE OVER IT, are entirely new to the transport system and not reported before. It is now made possible for the rail vehicles even with little longer wheel bases also to comfortably run fast at tight rail track curves laid on roadways. On the same axle, the sliding mechanism of flanged rail wheels allows the vehicle adaptable to two types of rail track gauges with the result, the troublesome, time consuming transhipment of passengers or goods at the terminus is eliminated, as now the passengers or goods remain in their respective vehicles which move from one track to another track of different gauge by plain road on in¬built rubber wheels and with the help of air suspension system the axle is conveniently lifted up to enable the flanged wheels slide over its axle for fitment to suit the track gauge for onward journey. This process takes only few minutes as service personnel and electric equipments would be readily available at the terminus.

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

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : SYSTEM AND METHODS FOR META-MODEL BASED DATA 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 | :G06F17/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)NETAPP, INC. Address of Applicant :495 EAST JAVA DRIVE, SUNNYVALE, CALIFORNIA U.S.A. (72)Name of Inventor : 1)APOORVA SAREEN 2)SWAMINATHAN RAMANY |
|---|---|---|
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A system and method for transacting data using meta-models to express data relationships is provided. In some embodiments, the method comprises requesting, from a computing system, a meta-model expressing a data relationship. The data relationship relates to a topology of a deployed computing system, and the requesting specifies the meta-model from among a plurality of data models stared within lie computing system. The requested meta-model is received from the computing system, and at least a portion of the meta-model is provided to an application, A data transaction based on the meta-model is received from the application and issued. In some such embodiments, a navigational interface is provided in order to navigate the meta-model and specify the portion to provide.

No. of Pages : 25 No. of Claims : 20

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A LIGHT DIFFUSING POLYMER COMPOSITION, METHOD OF PRODUCING THE SAME, AND ARTICLES MADE THEREFROM

| (51) International classification | :C08F220/00 | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :61/651,956 | 1)ROHM AND HAAS COMPANY |
| (32) Priority Date | :25/05/2012 | Address of Applicant :100 INDEPENDENT MALL WEST, |
| (33) Name of priority country | :U.S.A. | PHILADELPHIA, PENNSYLVANIA 19106 U.S.A. |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)GUO, HAILAN |
| (87) International Publication No | : NA | 2)LUNDQUIST, ERIC, G. |
| (61) Patent of Addition to Application Number | :NA | 3)LE, LUU |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A composition comprising: a blended product of: a matrix polymer; and from 0.05 to 2.5 wt% diffuser polymeric particles, wherein the diffuser polymeric particles are characterized by an average diameter from 2.0 to 8 micrometers, a particle size distribution such that at least 90 wt % of the polymer particles fall within $\pm 30\%$ of the volume average particle size, a refractive index, RI, from 1.50 to 1.55; a crosslinking level great than 4%; and wherein the diffuser polymeric particles are produced using at least one alkyl (meth)acrylate monomer copolymerized with from 5 wt % to 25 wt % crosslinking monomer selected from the group consisting of aliphatic crosslinking monomers, aromatic crosslinking monomers, and combinations thereof, and optionally, one or more comonomers selected from the group consisting of aryl (meth)acrylate monomers and monovinyl arenes is provided.

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

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MULTIPURPOSE RESILIENT ELASTO-MAGNETIC-ABRASIVE SPHERES FOR FINE FINISHING OF SURFACES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date | :H01N :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)DEPARTMENT OF SPACE Address of Applicant :ANTARIKSH BHAVAN, NEW BEL ROAD, BANGALORE 560 094 Karnataka India (72)Name of Inventor : 1)PROF. V. RADHAKRISHNAN |
|--|--|---|
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 2)MR. SOORAJ V.S. 3)DR. NIRMALA RACHEL JAMES |
| (61) Faterit of Addition to Application Number(62) Divisional to Application Number | :NA :NA :NA | 5)DR. NIRIVIALA RACHEL JAWIES |
| Filing Date | :NA | |

(57) Abstract :

This invention relates to a multi utility high resilient elasto-magnetic abrasive spheres and methods of preparing meso/micron sized said resilient elasto-magnetic-abrasive spheres that can be used for fine finishing of intricate internal and external surfaces is described. An apparatus for the preparation of elasto-magnetic abrasive spheres is also illustrated. The invention also describes the preparation of elasto-magnetic-abrasive spheres with rice husk silica reinforcement for fine finishing applications. Fine finishing described in the present invention refers to an average roughness (Ra) value of the order 20 nm to 150 nm.

No. of Pages : 36 No. of Claims : 51

(19) INDIA

(22) Date of filing of Application :11/09/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PLOYPROPYLENE - BASED RESIN COMPOSITION AND MOLDED ARTICLE MADE THEREOF (51) International classification :CO8L23/00 (71)Name of Applicant :

| (31) Priority Document No | :2012- | 1)SUMITOMO CHEMICAL COMPANY, LIMITED |
|---|-------------|---|
| · / · | 201283 | Address of Applicant :27-1, SHINKAWA 2-CHOME, CHUO- |
| (32) Priority Date | :13/09/2012 | KU, TOKYO 104-8260 Japan |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)MIYAZAWA, TARO |
| Filing Date | :NA | 2)KANZAKI, SUSUMU |
| (87) International Publication No | : NA | 3)SEKIYANI, TOMOMITSU |
| (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 polypropylene-based resin composition capable of affording a molded article superior in tensile elongation at break, the composition including a polypropylene resin (A), an ethylene-a-olefin copolymer (B) having a density of 0.865 to 0.890 g/cm3, an ethylene-a-olefin copolymer (C) having a density of 0.855 to 0.859 g/cm3, and an inorganic filler (D), wherein the content of the polypropylene resin (A) is 49 to 76% by weight, the content of the inorganic filler (D) is 9 to 22% by weight, the sum total of the contents of the ethylene-a-olefin copolymer (B) and the ethylene-a-olefin copolymer (C) is 15 to 29% by weight where the sum total of the contents of (A), (B), (C), and (D) is taken as 100% by weight, and the content of the ethylene-a-olefin copolymer (B), x% by weight, and the content of the ethylene-a-olefin copolymer (C), y% by weight, a formula 0.07 < x/(x + y) < 0.41.

No. of Pages : 38 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : REVOLVING PEN/PENCIL | | |
|---|--------------------|---|
| (51) International classification(31) Priority Document No | 29/00 :NA | (71)Name of Applicant : 1)NARENDRA KUMAR Address of Applicant :Q.NO-3ABC,GLOUCESTER ROAD, |
| (32) Priority Date(33) Name of priority country(22) Name of priority country | :NA :NA | EAST COLONY, JAMALPUR, PIN-811214, MUNGER, BIHAR (72) Name of Inventor : |
| (86) International Application No Filing Date (87) International Publication No | :NA :NA | 1)NARENDRA KUMAR |
| (87) International Publication No(61) Patent of Addition to Application Number Filing Date | : NA :NA :NA | |
| (62) Divisional to Application NumberFiling Date | :NA :NA :NA | |

(57) Abstract :

The device is very useful for saving time in a multiple choice question exams. It uses very less pressure and works with great accuracy. The device runs with the help of a dc motor 6 connected to a 9v dry cell 8 or sets of GH13 batteries of fig.1. The motor is connected to a gear system 3, 4(fig.1) which is thereof connected to the pen refill or the lead box. When the switch is pressed the current flows through the motor and it rotates on its axis 9(fig.1). Rotation of the motor also rotates the gear 3, 4 (fig.1) which subsequently rotates the pen refill or the lead box. Due to the constant rotation at high speed when the paper comes in contact with the tip of the pen refill or the lead box, it gets colored in an instant. This is how the revolving pen/pencil works.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PROCESS FOR TELNET/SSL/ZMODEM BASED SECURE FILE TRANSFER.

| (51) International classification | :H04L 29/00 | (71)Name of Applicant : 1)CHATTERJEE ARINDAM |
|---|----------------|---|
| (31) Priority Document No | :NA | Address of Applicant :HERITAGE INSTITUTE OF |
| (32) Priority Date | :NA | TECHNOLOGY, CHOWBAGA ROAD, ANANDAPUR, |
| (33) Name of priority country | :NA | PO:EAST KOLKATA TOWNSHIP, KOLKATA700107, WEST |
| (86) International Application No | :NA | BENGAL,INDIA. |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)CHATTERJEE ARINDAM |
| (61) Patent of Addition to Application Number | :NA | 2)MAJUMDER SUBHASHIS |
| Filing Date | :NA | 3)GOYAL PANKAJ |
| (62) Divisional to Application Number | :NA | 4)AGARWAL ROUNAK |
| Filing Date | :NA | 5)KUNDU SOURAV |

(57) Abstract :

Objective of the new process: The aim of our application is to integrate Telnet, SSL & zModem protocols to achieve secure file transfer between two hosts connected over the Internet. We have used the existing implementation of Telnet-SSL to open a secure channel between the two hosts and zModem protocol to transfer file(s) through the dedicated link created by Telnet. The main purpose behind using Telnet & zModem is to make the application supportable by legacy hardware (almost two decades old machines). Process in detail: 1) Our application creates a pseudoterminal master-slave pair. Pseudoterminals are software emulations of the dumb terminals that were used in the early days of computers. Pseudoterminals in a Linux system are created as a pair having a master and a slave. Any application that is designed to receive input from or give output to a dumb terminal can use the pseudoterminal slave exactly for that purpose. Any data written to a master pseudoterminal is taken as input by the corresponding slave pseudoterminal and vice versa. In our application, the process executing Telnet uses this pair to get input and to put output. 2) In the early days the telnet protocol was used with dumb terminals. But using those terminals file transfer is not possible because each byte of the file cannot be manually typed at the dumb terminal and then transferred to other side. But the bytes of the file(s) can be typed at a pseudoterminal by the zModem application (not by the user). That is why our application creates a pseudoterminal master-slave pair. 3) Our application can perform the usual function of a telnet client and also achieve file transfer. And for achieving security, Telnet-SSL has been used instead of just Telnet. On the remote side, Telnetd-SSL and zModem packages are to be present to make our application work successfully. 4) i) When we require a normal telnet session the application simply transfers data between the user-facing terminal and the pseudoterminal slave. ii) Then the slave hands over the data to the telnet client application running on our system. This client in turn sends the data (on a byte by byte basis) to the remote machine. 5) i) When we require a file transfer, then the user-facing terminal gives up the control of the pseudoterminal slave ii) The control is handed over to the zModem application. iii) Now zModem application transfers each byte of the file to the pseudoterminal slave. iv) Then the slave hands over the data to the telnet client application running on our system. This client in turn sends the data (byte by byte basis) to the remote machine. (Step (iv) under 6) is exactly same as the earlier case of normal telnet session as described under step 5) ii)). The Telnet session actually acts as a Point-To-Point Link for zModem application and helps it to work over Internet which is something that zModem is not capable of doing by itself. This methodology (step 6) of transferrins file(s) using Telnet Protocol has not been implemented before.

No. of Pages : 22 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(19) INDIA

(22) Date of filing of Application :17/07/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : GAS TURBINE FACILITY | | |
|--|------------------|--|
| | | |
| (51) International classification | :F23R3/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2013- 155406 | 1)KABUSHIKI KAISHA TOSHIBA Address of Applicant :1-1, SHIBAURA 1-CHOME, |
| (32) Priority Date | :26/07/2013 | MINATO-KU, TOKYO 105-8001 JAPAN |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)YASUNORI IWAI |
| Filing Date | :NA | 2)MASAO ITOH |
| (87) International Publication No | : NA | 3)SHINJU SUZUKI |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A gas turbine facility 10 of an embodiment has a combustor 20 combusting fuel and oxidant, a turbine 28 rotated by combustion gas exhausted from the combustor 20, a heat exchanger 25 cooling the combustion gas from the turbine 28, a pipe 46 guiding a part of the combustion gas to the combustor 20 via the heat exchanger 25, and a pipe 45 exhausting a remaining part of the combustion gas to an outside. Further, the facility has a pipe 40 supplying fuel to the combustor 20, a pipe 41 supplying oxidant to the combustor 20 via the heat exchanger 25, and a pipe 41 supplying oxidant to the pipe 41, so as to introduce the oxidant into the pipe 41.

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

(19) INDIA

(22) Date of filing of Application :07/07/2014

(43) Publication Date : 30/01/2015

| (54) Title of the invention : GAS TURBINE FACILITY | | |
|--|------------|--|
| | | |
| (51) International classification | :F01D25/00 | (71)Name of Applicant : |
| (31) Priority Document No | :2013- | 1)KABUSHIKI KAISHA TOSHIBA, |
| | 151790 | Address of Applicant :1-1, SHIBAURA 1-CHOME, |
| (32) Priority Date | | MINATO-KU, TOKYO 105-8001 JAPAN |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)YASUNORI IWAI |
| Filing Date | :NA | 2)MASAO ITOH |
| (87) International Publication No | : NA | 3)SHINJU SUZUKI |
| (61) Patent of Addition to Application Number | :NA | 4)YUICHI MORISAWA |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

A gas turbine facility 10 of an embodiment has a combustor 20 combusting fuel and oxidant, a turbine 21 rotated by combustion gas exhausted from the combustor 20, and a pipe 41 guiding a part of the combustion gas exhausted from the turbine 21 to a pipe 42 supplying the oxidant. Further, the gas turbine facility 10 has a pipe 43 guiding mixed gas constituted of the oxidant and the combustion gas to the combustor 20, a pipe 45 guiding another part of the combustion gas to the combustor 20 as working fluid of the turbine, and a pipe 40 exhausting a remaining part of the combustion gas to an outside.

No. of Pages : 21 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :21/07/2014

(54) Title of the invention : TRAILING ARM

(43) Publication Date : 30/01/2015

| (51) International classification | :B60G9/00 | (71)Name of Applicant : |
|---|-------------|--|
| (31) Priority Document No | :2013- | 1)SUZUKI MOTOR CORPORATION |
| | 152041 | Address of Applicant :300 TAKATSUKA-CHO, MINAMI- |
| (32) Priority Date | :22/07/2013 | KU, HAMAMATSU, SHIZUOKA, 432-8611, JAPAN |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)KOMATSU HAJIME |
| 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 trailing arm in which stress concentration due to a twisting moment is reduced, deformation can be prevented and, in addition, the weight is not increased. In a typical configuration, a trailing arm (100) according to the present invention includes a vehicle body connecting portion (116) that is to be connected to a vehicle body, a first region (130) that extends toward an axle (104) from the vehicle body connecting portion (116), a front connecting portion (118) that is positioned at an axle-side end of the first region (130) and that is connected to a front side of the axle (104), a second region (140) disposed adjacently above the first region (130) that extends from the vehicle body connecting portion (116) toward an upper side of the axle (104), further goes around the axle (104) to a rear side thereof, and a rear connecting portion (120) that is positioned at an axle-side end of the second region (140) and that is connected to the rear side of the axle (104), in which, when the trailing arm (100) is viewed from a vertical direction, the first region (130) and the second region (140) are inclined outward in a vehicle width direction as the regions extend rearward from the vehicle body connecting portion (116), and an inclination gradient in the first region (130) is larger than that in the second region (140).

No. of Pages : 34 No. of Claims : 5

(22) Date of filing of Application :29/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A MURINE MONOCLONAL ANTIBODY (1C8) AGAINST NEEM LEAF GLYCOPROTEIN: LMMUNOTHERAPEUTIC APPLICATION FOR CARCINOEMBRYONIC AGTIGENEXPRESSING TUMORS.

| (51) International classification | :C07K16/00 | (71)Name of Applicant : |
|---|------------|--|
| (31) Priority Document No | :NA | 1)SMARAJIT PAL, RATHINDRANATH BARAL, JAYDIP |
| (32) Priority Date | :NA | BISWAS |
| (33) Name of priority country | :NA | Address of Applicant : CHITTARANJAN NATIONAL |
| (86) International Application No | :NA | CANCER INSTITUTE 37, S.P. MUKHERJEE ROAD, |
| Filing Date | :NA | KOLKATA-700026, INDIA |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)SMARAJIT PAL |
| Filing Date | :NA | 2)RATHINDRANATH BARAL |
| (62) Divisional to Application Number | :NA | 3)JAYDIP BISWAS |
| Filing Date | :NA | |

(57) Abstract :

The work describes the generaton and characterization of a monoclonal antibody against a plant glycoprotein, NLGP. An array of evidences confirmed the unique reaction of this monoclonal antibody (1C8) with carcinoembryonic antigen. This is the first report of such kind and this novel finding could be exploited for targeting of this antigen, expressed in different cancers, especially colorectal cancer. We also provided evidences that such targeting restricts the murine and human, tumor growth in vivo by inducing ADCC and normalizing angiogenesis Significance of this study lies in the promise of clinical translation by introducing a new immunotherapeutic approach for the effective management of CEA+ tumors.

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

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :29/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : ELASTOMER NANOCOMPOSITES AS INSULATION MATERIAL FOR ROCKET MOTORS

| (51) International classification | :F02K9/00 | (71)Name of Applicant : |
|---|-----------|---|
| (31) Priority Document No | :NA | 1)INDIAN INSTITUTE OF TECHNOLOGY, |
| (32) Priority Date | :NA | KHARAGPUR |
| (33) Name of priority country | :NA | Address of Applicant : INDIAN INSTITUTE OF |
| (86) International Application No | :NA | TECHNOLOGY, KHARAGPUR 721302, DIST - MIDNAPORE, |
| Filing Date | :NA | STATE OF WEST BENGAL, INDIA |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)GUCHHAIT, PRASANTA, KUMAR |
| Filing Date | :NA | 2)CHAKI, TAPAN, K.; |
| (62) Divisional to Application Number | :NA | 3)BHASKARAN, A. K.; |
| Filing Date | :NA | 4)SINGHA, NIKHIL, K.; |

(57) Abstract :

A composition of elastomeric blend composites comprising a solid elastomer (EPDM) having Mooney Viscosity (20 to 35 Mooney unit@(1+4 min) at 125°C and Ethylene content, (30 to 60%), 5 to 20 parts per 100g of EPDM, a non-hazardous char forming paraaramid polymer, 5 to 25 parts per 100g of EPDM an erosion resistant modified nanosilica filler, 7-70 parts per 100g of EPDM a liquid elastomer, 4-15 parts per 100g of EPDM a synthetic polyterpene resin. Also provided is process for preparation of the same elastomeric blend composites.

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

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN INSULATOR DEVICE WITH THREE HIGH VOLTAGE CONDUCTORS ACCOMMODATED IN A SINGLE INSULATOR BODY FOR AN INSULATING GAS FILLED ENCLOSURE

| | | (71)Name of Applicant : |
|---|------------|--|
| (51) International classification | :H01B17/26 | |
| (31) Priority Document No | :NA | Address of Applicant : REGION CAL OPERATIONS |
| (32) Priority Date | :NA | DIVISION(ROD) PLOT NO:9/1, DJBLOCK 3RD FLOOR |
| (33) Name of priority country | :NA | KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091 |
| (86) International Application No | :NA | HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI |
| Filing Date | :NA | FORT, NEW DELHI - 110049, INDIA. |
| (87) International Publication No | : NA | (72)Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1) HARI RATHOD |
| Filing Date | :NA | 2) MURALIDHARAN GODAVARMA |
| (62) Divisional to Application Number | :NA | 3) MANDAVA MOHANA RAO |
| Filing Date | :NA | 4) HIMANI RANA |
| | | 5) TRISHAL KARAN BHAGAT |

(57) Abstract :

The present invention relates to an insulator for a gas insulated device with three high voltage conductors accommodated in a single insulator. The invention further relates to an insulator device with metallic bushes disposed within the body replacing the metallic ring. The invention further relates to a method of producing such an insulator.

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

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A METHOD FOR INCREASING STRENGTH OF COKE BY DEVELOPING A BLEND DESIGN USING ORGANO-REFINED COAL AND COKING COAL

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No | :C10B 57/00 :NA :NA :NA :NA :NA : NA | (71)Name of Applicant : 1)TATA STEEL LIMITED Address of Applicant :RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR- 831001, INDIA. (72)Name of Inventor : 1)DEBJANI NAG 2)PINAKPANI BISWAS |
|---|---|--|
| (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 | 2)PINAKPANI BISWAS 3)PRATIK SWARUP DASH 4)VIMAL KUMAR CHANDALIYA 5)PRADIP KUMAR BANERJEE |

(57) Abstract :

The invention relates to a coal blend for use in blast furnace, the coal blend comprising: 5-20 weight percentage of one or more organo-refined coals having ash content (dry basis) in the range of 9 -10 weight %, volatile matter (dry basis) in the range of 30-34 weight%, and Crucible Swelling Number (CSN) greater than 9; 50-80 weight% of one or more medium coking coals having ash content (dry basis) in the range of 14 -33 weight %, volatile matter (dry basis) in the range of 22-26 weight%, Crucible Swelling Number (CSN) in the range of 5-6 and maximum fluidity in the range of 20-1505 dial division per minute (ddpm); and 35-45 weight % of a hard coking coal having ash content (dry basis) in the range of 8-12 weight %, volatile matter (dry basis) in the range of 20-255 weight%, Crucible Swelling Number in the range of 6-9 and maximum fluidity in the range of 200 -2000 dial division per minute (ddpm).

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :29/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A PROCESS FOR MANUFACTURE OF SESAME SEED BASED BIOACTIVE PEPTIDES

| (51) International classification(31) Priority Document No(32) Priority Date | :A61K 36/00 :NA :NA | (71) Name of Applicant : 1)DAS, DR. RANJANA Address of Applicant :RESEARCH ASSOCIATE, DEPARTMENT OF CHEMICAL ENGINEERING, JADAVPUR |
|---|------------------------------|---|
| (32) Finding Date(33) Name of priority country(86) International Application No | :NA :NA | UNIVERSITY, KOLKATA-700 032, WEST BENGAL, INDIA 2)BHATTACHARJEE, PROF. CHIRANJIB |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No(61) Patent of Addition to Application Number | : NA :NA | 1)DAS, DR. RANJANA 2)BHATTACHARJEE, PROF. CHIRANJIB |
| Filing Date (62) Divisional to Application Number | :NA :NA | |
| Filing Date | :NA :NA | |

(57) Abstract :

A process for manufacture of sesame seed based bioactive peptides preferably based on Enzyme Membrane Reactor (EMR) based integrated process of sesame seed based synthesis of bioactive peptides and sesame glucosides. The sesame peptides and sesame glucosides produced have valuable therapeutic applications and the advancement is directed to an integrated process of peptide synthesis and glucosides isolation which is simple and cost- effective. Advantageously, the process of the present advancement presents good product quality and productivity.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF NANOPARTICLE

| (51) International classification | 5/00 | (71)Name of Applicant : 1)UNIVERSITY OF CALCUTTA |
|---|------|---|
| (31) Priority Document No | :NA | Address of Applicant :35, BALLYGUNGE CIRCULAR |
| (32) Priority Date | :NA | ROAD, KOLKATA 700 019, INDIA |
| (33) Name of priority country | :NA | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)KUNDU, SUREKHA |
| Filing Date | :NA | 2)CHOWDHURY, ARPITA, BASU |
| (87) International Publication No | : NA | 3)RAY, SARMISTHA |
| (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 the field of preparing nanomaterials, particularly gold nanoparticles. The nano particles are prepared by green technology basedprocess utilizing an edible fungi as the starting material. The nanoparticle(s) significantly comprises an outer protective layer of a protein which makes the nanoparticle to be used in various applications like delivery of chemotherapeutic agents, anticancer drugs, antibiotics and genes for gene therapy targeted to human cells without giving any side reactions or any toxic effects. The protein coat arising out of the edible fungi will aid in the uptake and retention of the nanoparticles by the human cells.

No. of Pages : 25 No. of Claims : 8

(22) Date of filing of Application :26/07/2013

(54) Title of the invention : 'A METHOD OF CHAMFERING HIGH THICKNESS METAL PLATES SIMULTANEOUS ON BOTH TOP AND BOTTOM SIDES OF THE PLATE IN A FABRICATION PROCESS OF BOILER PLATES'

(57) Abstract :

The invention relates to a method simultaneous chamfering of top and bottom plates used for fabrication of carrier plates and plug plates weldable with headers of high pressure super critical boiler and sub critical boilers, comprising the steps of providing a plug cutting machine (1) having at least one first torch (02), a connecting rod (04) axially movable by a moving plate (09), disposing a second torch (03) connected by means of the connecting rod (04) with a roller (08) for longitudinal movement, the second torch (03) receiving cutting gas supply from a connecting tube (10); placing the connecting rod by two screws on the body of a double torch plug cutting apparatus which carries the moving plate including the connecting tube with the second torch in position; forming an included angle of 135 degree to determine the chamfering angle between the positions of the first torch and the second torch; and adjusting positions of the second torch by manipulating the moving plate corresponding to varying plate thickness of 20 mm to 63 mm in the work piece.

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

(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN INTELLIGENT CAR DOOR DENT PREVENTING SYSTEM.

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :NA :NA :NA | (71)Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR Address of Applicant :SAMANTAPURI, BHUBANESWAR- |
|--|-------------------|--|
| (86) International Application No | :NA | 751013, ORISSA, INDIA. |
| Filing Date | :NA | (72)Name of Inventor : |
| (87) International Publication No | : NA | 1)GUPTA, MR. PRAVIR SINGH |
| (61) Patent of Addition to Application Number | :NA | 2)GHOSH, MR. PARTHA |
| Filing Date | :NA | 3)PANIGRAHI, DR. SATYA NARAYAN |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

An intelligent system for preventing door hitting obstacles while opening comprising an obstacle detector having scanner for repetitively scanning the door opening space for detecting at least two location coordinates of leading edge of any obstacle in the door opening region and identify any potential obstacles for door opening, a controller unit for determining maximum door opening angle without hitting any thus identified obstacles based on the location of said leading edge of the indentified obstacles and an actuator module for imposing resistive force to door opening beyond the said determined maximum door opening angle. The present intelligent system is adapted to be disposed in a car door for preventing dent in car door by detecting the obstacle nearby and averting the door from reaching the point at which it might hit the obstacle by resisting the rotation of it beyond the maximum door opening angle.

No. of Pages : 24 No. of Claims : 11

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : PHOTORESPONSIVE POLYMERS BASED ON COUMARIN MOIETY FOR CONTROLLED RELEASE OF PESTICIDE AND FORMULATIONS THEREOF

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | :A01N25/00 :NA :NA :NA :NA | KHARAGPUR Address of Applicant :SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL, |
|--|--|--|
| Filing Date (87) International Publication No | :NA : NA | INDIA. (72) Name of Inventor : |
| (61) Patent of Addition to Application Number | :NA | 1)ATTA, SANGHAMITRA |
| Filing Date (62) Divisional to Application Number | :NA :NA | 2)SINGH, N.D. PRADEEP 3)BANERJEE, RAKESH |
| Filing Date | :NA | 4)DHARA, DIBAKAR 5)IKBAL, MOHAMMED |

(57) Abstract :

A polymeric controlled-release pesticide formulation/ composition comprising coumarin-pesticide conjugate based photoresponsive fluorescent responsive polymeric controlled release pesticide for systemic application of pesticides to greatly increase the sustainable use of pesticides for plant protection. A fluorescent photoresponsive controlled release pesticide formulation is provided comprising selective coumarin copolymer in conjugation with pesticide preferably 2, 4-D (2, 4-Dichlorophenoxyacetic acid) wherein leaching experiments revealed that polymeric system leaches slowly than the pesticide taken in isolation. Bioassay studies in plant system suggested that coumarin polymer system efficiently delivered 2, 4-D inside the plant system (pumpkin plant Cucurbita maxima.) improving its pesticidal activity. Fig.4

No. of Pages : 30 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : MANAGING USER INTERFACE BETWEEN MULTIPLE CONCURRENT VIDEOCONFERENCES

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No | G06F15/16 :NA :NA :NA | (71)Name of Applicant : 1)POLYCOM, INC. Address of Applicant :6001 AMERICA CENTER DRIVE, SAN JOSE, CALIFORNIA 95002, UNITED STATES OF AMERICA (72)Name of Inventor : |
|--|--------------------------------|---|
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)IYER RAMACHANDRAN |
| (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 generally to videoconferencing systems, and more particularly, to a system for managing a user's interface between multiple concurrent videoconferences.

No. of Pages : 23 No. of Claims : 03

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :23/07/2013

(54) Title of the invention : 'A METHOD FOR INCREASING DEWATERING EFFICIENCY OF IRON ORE FINES OF SIZE LESS THAN 6 MM'

| (31) Priority Document No 1/(| Address of Applicant :RESEARCH AND DEVELOPMENT |
|--|--|
| (32) Priority Date :N | AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR- |
| (33) Name of priority country :N | 831001, INDIA. |
| (86) International Application No :N | (72)Name of Inventor : |
| Filing Date :N | A 1)ABHAY SHANKAR PATRA |
| (87) International Publication No : N | A 2)DILIP MAKHIJA |
| (61) Patent of Addition to Application Number :N | 3)ASIM KUMAR MUKHERJEE |
| Filing Date :N | 4)BIBHUDUTTA MOHANTY |
| (62) Divisional to Application Number :N | 5)ASHISH SHARMA |
| Filing Date :N | x |

(57) Abstract :

The present invention provides a dewatering process that produces less than 10% moisture in iron ore fines of size less than 6 mm. The process comprises developing a dosing system and making use chemical surface active reagents with the identification of dosing points. The process further results in reduction in alumina content by 0.2 to 0.4 %. The process involves steps of crushing the iron ore, screening at different stages, scrubbing the ore and treating the iron ore with surface active agents.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A SYSTEM FOR PRODUCING HIGH PURITY TITANIUM OXIDE FROM ILMENITE ORE AT LOW COST

| (51) International classification | :C22B | (71)Name of Applicant : |
|---|-------|---|
| | 34/00 | 1)TATA STEEL LIMITED |
| (31) Priority Document No | :NA | Address of Applicant : JAMSHEDPUR-831001, INDIA |
| (32) Priority Date | :NA | 2)COUNCIL OF SCIENTIFIC & INDUSTRIAL |
| (33) Name of priority country | :NA | RESEARCH |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)C. RAGHU KUMAR |
| (87) International Publication No | : NA | 2)S. RANGANTHAN |
| (61) Patent of Addition to Application Number | :NA | 3)K.K.BHATTACHARYA |
| Filing Date | :NA | 4)K.M.GODIWALLA |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The invention relates to a system for production of titanium oxide from Ilmenite ore which comprises a combustion chamber [1], a main reaction chamber [2], a wind box [3], a cyclone separator [4], a chimney [5], an air compressor [6], a plurality of control valves with gauges [7] and a gas station [8] with instrument panel [8], wherein the combustion chamber [1] having a square cross-section in a range of 250X250 to 400X400 mm2 and a height in a range of 500 to 600 mm, fitted with the gas station [8] including the control panel [8] and placed to the main reaction chamber [2] in such a way that the furnace chamber (1) can be lifted and placed on a vertical platform to enable charging of materials and removing them from the main reaction, sealing the interface between the two chamber [1,2] to ensure that gas from the two chambers (1,2) does not escape into the surrounding atmosphere chamber.

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

(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : A DIGITAL HAND-HELD DUAL CURVATURE MEASUREMENT DEVICE.

| (51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country | :H01Q5/00 :NA :NA :NA | (71)Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR Address of Applicant :SAMANTAPURI, BHUBANESWAR- |
|--|--------------------------------|--|
| (86) International Application No | :NA | 751013, ORISSA, INDIA |
| Filing Date (87) International Publication No | :NA : NA | (72)Name of Inventor : 1)SHRESTHA, SHIKHAR |
| (61) Patent of Addition to Application Number Filing Date | :NA :NA | 2)MR. NISHANT 3)PANIGRAHI, DR. SATYANARAYAN |
| (62) Divisional to Application Number Filing Date | :NA :NA | |

(57) Abstract :

A portable and handy surface curvature measuring device comprising a centrally disposed measuring leg having tip for touching measuring surface and providing reference in the measurement of radii of curvatures of the measuring surface, plurality of displaceable measuring legs comprising atleast a pair of two opposite lying legs and having adjustable tips for touching the measuring surface disposed radially opposite to one another and away from the central measuring leg, sensory means for determining the displacement of the outwardly disposed measuring legs with reference to the centrally disposed measuring leg for determination of relative positional coordinate of touching points on the measuring surface and a controller means for determining radii of curvatures of the measuring surface based on the sensory data.

No. of Pages : 14 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : HYDRAULIC PISTON ASSEMBLY | | |
|---|-----------|--|
| | | |
| (51) International classification | :F01L1/00 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)EATON CORPORATION, |
| (32) Priority Date | :NA | Address of Applicant :1000 EATON BOULEVARD, |
| (33) Name of priority country | :NA | CLEVELAND OHIO 44122, UNITED STATES OF AMERICA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1) BIRJE, SANDEEP MANOHAR |
| (87) International Publication No | : NA | 2) MEGENS, PETER, |
| (61) Patent of Addition to Application Number | :NA | 3) TSAI,CHANG |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present disclosure provides a method of assembling and disassembling a hydraulic cylinder. In addition it provides a hydraulic cylinder that includes a modular intermediate head construction that enable the assembly thereof between two adjacent pistons without removing the piston from the piston rod.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AUTOMATIC DIPPER LIGHT SWITCHING DEVICE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country | :NA :NA :NA | (71) Name of Applicant : 1) DEBADATTA PANIGRAHI Address of Applicant :QR. NO-E/103, HINDALCO COLONY, AT/PO-HIRAKUD, DIST-SAMBALPUR, PIN: 7(80)(-ODIVID-1) |
|---|-------------------|---|
| (86) International Application No | :NA :NA | 768016, ODISHA, INDIA |
| Filing Date (87) International Publication No | : NA | (72)Name of Inventor : 1)DEBADATTA PANIGRAHI |
| (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 automatic switching device of Dipper Light System in a vehicle. In particular, it relates to a device fitted in a vehicle to act by sensing intensity of light of the front heading vehicle.

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

(22) Date of filing of Application :23/07/2013

(54) Title of the invention : 'A MICROWAVE ASSISTED SYNTHESIS METHOD TO PRODUCE HIGH-DIELECTRIC CONSTANT PEROV-SKITE STRUCTURED CCTO POWDER IN NANO (20-100 NM) AND MICRO(1-5μM FORM)'

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :B82Y 30/00 :NA :NA :NA :NA | (71)Name of Applicant : 1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant :REGION CAL OPERATIONS DIVISION(ROD) PLOT NO:9/1, DJ BLOCK 3RD FLOOR KARUNAMOYEE, SALTLAKE CITY, KOLKATA-700091 HAVING ITS REGISTERED OFFICE AT BHEL HOUSE SIRI FORT, NEW DELHI - 110049, INDIA. (72)Name of Inventor : 1)RAGHUNANDAN SEELABOYINA 2)ALEKHYA VENKATA MADIRAJU 3)MANOJ KUMAR 4)KSHITLJ TANEJA 5)ANUP KUMAR KESHRI 6)SARANG MAHAJAN 7)KULVIR SINGH |
|--|--|---|
|--|--|---|

(57) Abstract :

The present invention discloses a microwave assisted synthesis method to prepare nano (20-100 nm) and micro (1-5) μ m copper calcium titanate (CCTO) powder. CCTO synthesis is performed by an oxalic acid solution precipitation method, which includes microwave heating (120-210 °C) of non- explosive, hydrate/di-hydrate salts of copper, calcium, and titanium in oxalic acid. The method is enabled to produce kilogram quantities of filterable metal (Cu, Ca and Ti) oxalate precursor. According to the invention the metal oxalate precursor is thermally decomposed (calcinations) in atmospheric/vacuum furnace (600-900 °C) and wet ball milled and dried in atmospheric/vacuum oven (50-90 °C) to form CCTO. Advantages of the disclosed CCTO preparation are multi-fold, one is non-explosive and environmentally benign precursors and second the reliability and repeatability of the microwave process appropriate for manufacturing that can meet the industrial application.

No. of Pages : 15 No. of Claims : 8

(22) Date of filing of Application :29/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : 'WATER PRE-TREATMENT SYSTEM OPERABLE UNDER RE-CIRCULATION TECHNIQUE TO REDUCE WASTAGE OF ULTRA FILTERED IN A PROCESS OF PRE-TREATMENT OF CLARIFIED RAW WATER'

| (51) International classification (31) Priority Document No (32) Priority Date (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 | :C02F 1/00 :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant :REGION CAL OPERATIONS DIVISION(ROD) PLOT NO:9/1, DJ BLOCK 3RD FLOOR KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091 HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI - 110049, INDIA. (72)Name of Inventor : 1)ARUMUGAM JAGANNATHAN, 2)SONGAPPAN KAILASAM 3)MUTHUSAMY NATARAJAN 4)GOVINDASAMY RAJENDIRAN |
|---|--|---|
| Filing Date | :NA | 4)GOVINDASAMY RAJENDIRAN 5)RAMACHANDRAN GANESH |

(57) Abstract :

The invention relates to an improved water pre-treatment system operable under recirculation technique to reduce wastage of ultra filtered water in a pretreatment process of clarified raw water, the system comprises an ultra filtration (UF) unit operably connected to a Reverse osmosis (RO) unit which interlia connected to a de-mineralization (DM) unit to implement a chemical process of ion exchange through de-mineralization resins, wherein the UF unit is enabled to reduce total suspended solids (TSS) and organics from the received clarified raw water duly disinfected, to pretreat the TSS reduced water through chemical dosing in a flocculation device, to chemically condition the filtered water via a cartridge filter device with inlet and outlet valves and to transfer the conditioned water after measuring and ensuring a desired slit density index (SDI) of the water to said RO - unit, wherein the RO-unit is configured to receive the conditional water via a RO feed pump having membranes from the UF - unit, pressurize in various stages the treated water to remove the TDS including the entrapped carbon dioxides in the water by means of a plurality number of high pressure pumps and degassers, and transfer the water to said DM unit. The improvement is characterized in that the system is provided with a recirculation pipeline (10) including a bypass valve (8) disposed in between the RO feed pump (5) and Cartridge filter (7), the system is enabled during each startup to the RO feed pump (5) to place the cartridge filter inlet valve (6) in closed position and the recirculation / bypass valve (10) kept in open condition to start the RO feed pump (5) and re-circulate a contaminated UF permeate water in an UF permeate tank (4) to the UF unit (3) as an UF feed Water (1), the UF unit (3) rejecting the organics and minimize the turbidity of UF permeate water (11), to store the treated water in the UF permeate tank (4) to measure once the required turbidity is achieved the SDI online at the outlet of the RO feed pump (5), to throttle the bypass valve (8) in the recirculation line (10) to obtain required back pressure for SDI measurement, and to reiterate the activities till a desired SDI before Cartridge filter (6) inlet is achieved.

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

(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 30/01/2015

| (54) Title of the invention : HYDRAULIC PISTON ASSEMBLY | | |
|---|-----------|--|
| | | |
| (51) International classification | :F01L1/00 | (71)Name of Applicant : |
| (31) Priority Document No | :NA | 1)EATON CORPORATION, |
| (32) Priority Date | :NA | Address of Applicant :1000 EATON BOULEVARD, |
| (33) Name of priority country | :NA | CLEVELAND OHIO 44122, UNITED STATES OF AMERICA |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1) BIRJE, SANDEEP MANOHAR |
| (87) International Publication No | : NA | 2) MEGENS, PETER, |
| (61) Patent of Addition to Application Number | :NA | 3) TSAI,CHANG |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :

The present disclosure provides a method of assembling and disassembling a hydraulic cylinder. In addition it provides a hydraulic cylinder that includes a modular intermediate head construction that enable the assembly thereof between two adjacent pistons without removing the piston form the piston rod.

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

(19) INDIA

(22) Date of filing of Application :25/07/2013

(54) Title of the invention : LIQUID SPRAY DEVICE

(43) Publication Date : 30/01/2015

:B05B (71)Name of Applicant : (51) International classification 1)EIKOSHA CO., LTD. 7/00 Address of Applicant : KYOTO PREFECTURE KYOTO (31) Priority Document No :NA (32) Priority Date CITY YAMASHINA-KU HIGASHINO KITAINOUE-CHO 7-1 -:NA (33) Name of priority country JAPAN :NA (86) International Application No :NA 2)HYPROM S.A. Filing Date :NA **3)VIDA INTERNATIONAL INC.** (87) International Publication No : NA (72)Name of Inventor : (61) Patent of Addition to Application Number :NA **1)AKITSU HIROMI** Filing Date :NA 2)CHRIS DINNER (62) Divisional to Application Number 3)SHU, SHIU-SHIANG :NA Filing Date 4)JERRY CHU :NA

(57) Abstract :

An object of the invention is to provide a transducer type liquid sprayer in which a storage tank for storing spray liquid can be easily replaced together with a core for soaking up the spray liquid from the storage tank. The invention provides a liquid sprayer including a spray liquid storage unit and a main body for supporting the spray liquid storage unit inside itself. The spray liquid storage unit includes a core for soaking up spray liquid stored in a storage tank to an outside of the storage tank. The main body includes a lid member to be put on a support member for supporting the spray liquid storage unit so that the lid member can be opened and closed. A spray hole is formed in the lid member so as to face a horizontally-oriented front face of the core provided to the spray liquid storage unit when the lid member is closed onto the support member and a transducer facing the spray hole is disposed inside the lid member. The transducer disposed inside the lid member is in close contact with and pressed against the core provided to the spray liquid storage unit supported by; the support member when the lid member is closed onto the support member is closed onto the support member.

No. of Pages : 27 No. of Claims : 3

(22) Date of filing of Application :23/07/2014

(54) Title of the invention : TONER, IMAGE FORMING METHOD, AND PROCESS CARTRIDGE

| (51) International classification | :G03G9/00 | (71)Nome of Applicant . |
|---|-------------|--|
| (31) International classification | | (71)Name of Applicant : |
| (31) Priority Document No | :2013- | 1)RICOH COMPANY, LIMITED |
| | 155469 | Address of Applicant :3-6, NAKAMAGOME 1-CHOME, |
| (32) Priority Date | :26/07/2013 | OHTA-KU, TOKYO, 143-8555, JAPAN |
| (33) Name of priority country | :Japan | (72)Name of Inventor : |
| (86) International Application No | :NA | 1)YU NAITO |
| Filing Date | :NA | 2)KAZUMI SUZUKI |
| (87) International Publication No | : NA | 3)YOSHITAKA YAMAUCHI |
| (61) Patent of Addition to Application Number | :NA | 4)MASASHI NAGAYAMA |
| Filing Date | :NA | 5)HISASHI NAKAJIMA |
| (62) Divisional to Application Number | :NA | 6)SAORI YAMADA |
| Filing Date | :NA | |

(57) Abstract :

Toner contains a binder resin, a releasing agent, and a tri- or higher metal salt, wherein the toner has a weight average molecular weight (Mw) of from 7,000 to 10,000, a ratio of the weight average molecular weight (Mw) to a number average molecular weight (Mn) of 5 or less, and an acid value of from 6 mgKOH/g to 12 mgKOH/g, wherein the binder resin is a polyester resin, wherein the releasing agent is a monoester wax.

No. of Pages : 64 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 30/01/2015

(54) Title of the invention : AN IMPROVED PROCESS FOR PRODUCTION OF TITANIUM OXIDE FROM ILMENITE ORE

| (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date | :C22B 34/00 :NA :NA :NA :NA :NA :NA :NA :NA | (71)Name of Applicant : 1)TATA STEEL LIMITED Address of Applicant :JAMSHEDPUR-831001, INDIA 2)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (72)Name of Inventor : 1)T. VENUGOPALAN 2)C.RAGHU KUMAR 3)S. RANGANTHAN 4)D. C. SAU |
|--|--|--|
| (61) Patent of Addition to Application Number | :NA | 3)S. RANGANTHAN |
| (62) Divisional to Application NumberFiling Date | :NA :NA :NA | 4)D. C. SAU |

(57) Abstract :

The invention describes a process for the production of titanium oxide and metallic iron from llmenite is described. This process consists of heating a pelletised mixture of llmenite ore and a carbonaceous reducing agent in an appropriate ratio at a high temperature, around 1650 °C. Iron in the ore is reduced to the metal during this process. Excess carbon in the mixture dissolves in the metallic iron forming an alloy. The iron-carbon alloy melts at relatively low temperatures, around 1200 °C. The melting temperature depends on the amount of carbon dissolved in the metal. The particles of molten iron coalesce and segregate from the residual titanium oxide effectively. The segregated iron particles are easily removed from the oxide of titanium. Thus highly pure titanium oxide and metallic iron are produced in this process. Both can be used as raw materials for industrial applications.

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

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| 12 | 264826 | 3899/DELNP/2006 | 27/01/2005 | 03/02/2004 | METHOD FOR SUPPORTING QUALITY OF SERVICE IN A RADIO COMMUNICATION SYSTEM | NOKIA CORPORATION | 03/08/2007 | DELHI |

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| 28 | 264915 | 10794/DELNP/2008 | 04/07/2007 | 05/07/2006 | WITH FLUX CORE FOR | NIPPON STEEL & SUMITOMO METAL CORPORATION | 22/05/2009 | DELHI |

| Ser ial Nu mb er | 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) | Appropriat e Office |
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| 6 | 264853 | 1623/MUMNP/2007 | 10/03/2006 | 10/03/2005 | A METHOD AND APPARATUS FOR PROCESSING MULTIMEDIA DATA | QUALCOMM INCORPORATED | 31/10/2008 | MUMBAI |
| 7 | 264856 | 1578/MUM/2005 | 16/12/2005 | 17/12/2004 | CONTROL METHOD AT POWER FAILURE | KOMATSU NTC LTD. | 08/08/2008 | MUMBAI |
| 8 | 264861 | 1704/MUMNP/2008 | 18/01/2007 | 18/01/2006 | WET GAS INDICATION USING A PROCESS FLUID DIFFERENTIAL PRESSURE TRANSMITTER | ROSEMOUNT, INC. | 12/12/2008 | MUMBAI |
| 9 | 264869 | 884/MUMNP/2007 | 28/11/2005 | 29/11/2004 | METHOD FOR CONTROLLING ACCESS TO CONDITIONAL ACCESS DATA | NAGRACARD SA | 03/08/2007 | MUMBAI |
| 10 | 264881 | 729/MUM/2010 | 19/03/2010 11:34:33 | | "THE TREATMENT OF SPENT LEES FROM DISTILLERY PLANT" | NUTAN VIKAS DESAI | 10/06/2011 | MUMBAI |
| 11 | 264883 | 43/MUM/2007 | 09/01/2007 | | A PIPE JOINING SYSTEM | JAIN IRRIGATION SYSTEMS LIMITED | 26/12/2008 | MUMBAI |

| 12 | 264913 | 1795/MUMNP/2008 | 13/02/2007 | 23/02/2006 | METHOD FOR SEPARATING A FLOWING MEDIUM MIXTURE INTO ATLEAST TWO FRACTIONS THAT DIFFER IN MASS DENSITY | ROMICO HOLD A.V.V. | 12/12/2008 | MUMBAI |
|----|--------|-----------------|------------|------------|--|--------------------------|------------|--------|
| 13 | 264916 | 353/MUMNP/2009 | 20/11/2007 | 24/11/2006 | METHODS AND APPARATUS FOR ACTUATED POSITION DETERMINATION IN A WIRELESS COMMUNICATION DEVICE | QUALCOMM INCORPORATED | 22/05/2009 | MUMBAI |

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| Seri al Nu mbe r | 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) | Appropriat e Office |
| 1 | 264814 | 786/CHENP/20 09 | 09/08/2007 | 11/08/2006 | HUMANIZED BINDING COMPOUND TO HUMAN IL-17A | MERCK SHARP & DOHME CORP | 29/05/2009 | CHENNAI |
| 2 | 264815 | 397/CHE/2006 | 07/03/2006 | 09/03/2005 | HYDROCRACKING PROCESS WITH RECYCLE, COMPRISING ADSORPTION OF POLYAROMATIC COMPOUNDS FROM THE RECYCLED FRACTION ON AN ADSORBANT | INSTITUT FRANCAIS DU PETROLE | 22/06/2007 | CHENNAI |
| 3 | 264816 | 2257/CHENP/2 008 | 07/11/2006 | 07/11/2005 | PLANTS HAVING IMPROVED GROWTH CHARACTERISTICS AND METHOD FOR MAKING THE SAME | CROPDESIGN N.V. | 06/03/2009 | CHENNAI |
| 4 | 264817 | 5554/CHENP/2 007 | 02/06/2006 | 03/06/2005 | EP2 AGONIST COMPOUND HAVING EP3 AGONIST EFFECT | ONO PHARMACEUTICAL CO LTD | 28/03/2008 | CHENNAI |
| 5 | 264829 | 1995/CHENP/2 008 | 21/09/2006 | 23/09/2005 | A PROCESS FOR THE PRODUCTION OF SATURATED CARBOXYLIC ACIDS AND THEIR DERIVATIVES | NOVAMONT S.p.A | 06/02/2009 | CHENNAI |
| 6 | 264838 | 529/CHE/2007 | 14/03/2007 | | A LINEAR VARIABLE CAPACITIVE TRANSDUCER FOR SENSING PLANAR ANGLES | INDIAN INSTITUTE OF TECHNOLOGY | 06/02/2009 | CHENNAI |
| 7 | 264839 | 4143/CHENP/2 008 | 09/01/2007 | 09/01/2006 | COMPOSITION FOR THE TREATMENT OF HEPATITIS C | ROMARK LABORATORIES, L.C. | 13/03/2009 | CHENNAI |
| 8 | 264846 | 4512/CHENP/2 007 | 01/05/2006 | 02/05/2005 | METHOD AND SYSTEM FOR PRODUCING SYNTHESIS GAS | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V | 25/01/2008 | CHENNAI |
| 9 | 264847 | 1817/CHENP/2 008 | 20/10/2006 | 24/10/2005 | COGENERATION SYSTEMS AND PROCESSES FOR TREATING HYDROCARBON CONTAINING FORMATIONS | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V | 09/01/2009 | CHENNAI |

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| 10 | 264848 | 7396/CHENP/2 009 | 04/07/2008 | 05/07/2007 | A METHOD FOR PRODUCING ORGANIC THIN FILM | NIPPON SODA CO., LTD | 09/04/2010 | CHENNAI |
| 11 | 264849 | 4790/CHENP/2 008 | 09/03/2007 | 10/03/2006 | POLYESTER RESIN COMPOSITION, METHOD FOR PRODUCING SAME AND MOLDED BODY | MITSUBISHI GAS CHEMICAL COMPANY, INC. | 13/03/2009 | CHENNAI |
| 12 | 264850 | 276/CHENP/20 08 | 14/06/2006 | 17/06/2005 | PROCESS OF PRODUCING DIHYDROISOQUINOLINE DERIVATIVES | BASF AKTIENGESELLSCHAFT | 19/09/2008 | CHENNAI |
| 13 | 264854 | 4952/CHENP/2 007 | 04/05/2005 | 04/05/2005 | DIHYDROPYRIDINE DERIVATIVES | MERCK SHARP & DOHME B.V. | 25/01/2008 | CHENNAI |
| 14 | 264858 | 5244/CHENP/2 007 | 19/05/2006 | 20/05/2005 | A PROCESS FOR PREPARING DICHLOROPROPANOL | SOLVAY (SOCIETE ANONYME) | 25/01/2008 | CHENNAI |
| 15 | 264859 | 6692/CHENP/2 008 | 27/06/2007 | 29/06/2006 | PROCESS FOR SEPARATING AND PURIFYING HYDROQUINONE FROM CRUDE MIXTURES | RHODIA OPERATIONS | 27/03/2009 | CHENNAI |
| 16 | 264860 | 1725/CHENP/2 008 | 04/10/2006 | 05/10/2005 | POLYLACTIDE COMPOSITION | TEIJIN LIMITED,MUSASHINO CHEMICAL LABORATORY, LTD,KIMURA, YOSHIHARU | 09/01/2009 | CHENNAI |
| 17 | 264865 | 2542/CHE/2007 | 05/11/2007 | | METHOD TO DETECT THE PRINT ERRORS IN A MULTI FUNCTIONAL PERIPHERAL | SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED | 11/09/2009 | CHENNAI |
| 18 | 264866 | 4612/CHENP/2 008 | 20/02/2007 | 02/03/2006 | METHOD FOR SUPPRESSING PRODUCTION OF HEAVY COMPONENT OF METHYL ETHYL KETONE | IDEMITSU KOSAN CO; LTD | 13/03/2009 | CHENNAI |
| 19 | 264867 | 1612/CHENP/2 008 | 20/10/2006 | 24/10/2005 | METHODS OF CRACKING A CRUDE PRODUCT TO PRODUCE ADDITIONAL CRUDE PRODUCTS | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V | 05/12/2008 | CHENNAI |
| 20 | 264868 | 1563/CHE/2005 | 28/10/2005 | 29/10/2004 | FAST HANDOVER WITH REDUCED SERVICE INTERRUPTION FOR HIGH SPEED DATA CHANNELS IN A WIRELESS SYSTEM | LUCENT TECHNOLOGIES INC | 14/09/2007 | CHENNAI |
| 21 | 264870 | 78/CHENP/200 9 | 29/06/2007 | 29/06/2006 | ISOPRENE HYDROCARBON PRODUCTION USING GENETICALLY ENGINEERED MICROALGAE OR CYANOBACTERIA | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA | 29/05/2009 | CHENNAI |

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| 22 | 264872 | 5571/CHENP/2 007 | 04/05/2006 | 04/05/2005 | PROTEIN ACTIVITY MODIFICATION | IMPULSE DYNAMICS NV | 28/03/2008 | CHENNAI |
| 23 | 264884 | 185/CHENP/20 08 | 23/06/2006 | 14/07/2005 | PIGMENT DISPERSIONS WITH POLYMERIC DISPERSANTS HAVING PENDING CHROMOPHORE GROUPS | AGFA GRAPHICS NV | 19/09/2008 | CHENNAI |
| 24 | 264885 | 3154/CHE/2008 | 16/12/2008 15:25:35 | 17/12/2007 | HIGH-FREQUENCY CIRCUIT HAVING FILTERING FUNCTION AND RECEPTION DEVICE | SHARP KABUSHIKI KAISHA | 21/08/2009 | CHENNAI |
| 25 | 264888 | 4258/CHENP/2 007 | 22/03/2006 | 25/03/2005 | DECOMPOSER OF ORGANIC HALOGENATED COMPOUNDS | DOWA ECO-SYSTEM CO., LTD | 21/12/2007 | CHENNAI |
| 26 | 264889 | 1176/CHENP/2 008 | 08/09/2006 | 09/09/2005 | LENTICULAR DEVICE FOR AN AUTOSTEREOSCOPIC DISPLAY APPARATUS AND METHOD OF PRODUCING THE SAME | KONINKLIJKE PHILIPS ELECTRONICS N.V. | 12/09/2008 | CHENNAI |
| 27 | 264890 | 1082/CHENP/2 010 | 27/08/2008 | 30/08/2007 | METHOD FOR PRODUCING CIS-3- SUBSTITUTED-3- AZABICYCLO[3.2.1]OCTA N-8-OL DERIVATIVE | NIPPON SODA CO., LTD | 13/08/2010 | CHENNAI |
| 28 | 264893 | 1917/CHENP/2 007 | 31/10/2005 | 04/11/2004 | AN ENCODING AND DECODING DEVICE AND A METHOD FOR CONVERTING A FIRST NUMBER OF AUDIO CHANNELS | KONINKLIJKE PHILIPS ELECTORNICS N.V. | 31/08/2007 | CHENNAI |
| 29 | 264896 | 276/CHE/2007 | 08/02/2007 14:02:19 | | VIBRATION DAMPER | R & D , TVS MOTOR COMPANY LIMITED | 28/11/2008 | CHENNAI |
| 30 | 264897 | 4325/CHENP/2 008 | 08/03/2007 | 10/03/2006 | Method and System For Managing Identifier Of Instant Messenger | TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED | 13/03/2009 | CHENNAI |
| 31 | 264898 | 2912/CHE/2007 | 06/12/2007 | | A COMPOSTING GARDEN POT | THIRUMALAI ANANDAMPILLAI APARNA,THIRUMALAI ANANDAMPILLAI VIJAYAN,ARUN SRINIVASAN | 16/10/2009 | CHENNAI |
| 32 | 264899 | 408/CHE/2008 | 18/02/2008 | | MAGNETIC NANOFLUIDS AND A PROCESS FOR THE MANUFACTURE THEREOF | INDIAN INSTITUTE OF TECHNOLOGY | 11/09/2009 | CHENNAI |

| Ser ial Nu mb er | 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 |
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| 2 | 264802 | 8/KOLNP/2008 | 07/07/2005 | 07/07/2005 | KINETIC ENERGY GENERATION DEVICE | CHIO, CHUY-NAN | 12/09/2008 | KOLKATA |
| 3 | 264803 | 472/KOL/2008 | 06/03/2008 | 11/05/2007 | METHODS AND SYSTEMS TO IDENTIFY CAM PHASER HARDWARE DEGRADATION | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 17/04/2009 | KOLKATA |
| 4 | 264804 | 200/KOL/2008 | 04/02/2008 | 14/02/2007 | A FLUID STORAGE APPARATUS | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 22/08/2008 | KOLKATA |
| 5 | 264806 | 587/KOL/2007 | 13/04/2007 | 13/04/2006 | PROCESS FOR CONTROLLING THE MOISTURE CONCENTRATION OF COMBUSTION FLUE GAS | THE BABCOCK & WILCOX COMPANY | 26/10/2007 | KOLKATA |
| 6 | 264809 | 489/KOLNP/200 9 | 25/07/2007 | 26/07/2006 | A METHOD FOR PRODUCING SPHERICAL ELEMENTARY GRANULES CONTAINING A DRUG | ASAHI KASEI CHEMICALS CORPORATION | 15/05/2009 | KOLKATA |
| 7 | 264810 | 2088/KOLNP/20 07 | 28/06/2002 | 29/06/2001 | CONTROLLED RELEASE COMPOSITION AND METHOD OF PRODUCING THE SAME | TAKEDA PHARMACEUTICAL COMPANY LIMITED | 01/08/2008 | KOLKATA |
| 8 | 264812 | 2882/KOLNP/20 06 | 07/04/2005 | 09/04/2004 | A METHOD OF MODIFYING A FILM WITH A PHOTOCATAYTIC ANTISOILING PROPERTY | SAINT-GOBAIN GLASS FRANCE | 08/06/2007 | KOLKATA |
| 9 | 264813 | 634/KOLNP/200 9 | 17/07/2007 | 18/07/2006 | SPIROCYCLIC AZAINDOLE DERIVATIVES | GRNENTHAL GMBH | 15/05/2009 | KOLKATA |
| 10 | 264828 | 1842/KOLNP/20 07 | 17/11/2005 | 19/11/2004 | 3-PHENYL-PYRAZOLE DERIVATIVES AS MODULATORS OF THE 5- HT2A SEROTONIN RECEPTOR USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO | ARENA PHAMACEUTICALS, INC. | 10/08/2007 | KOLKATA |

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| 11 | 264832 | 3256/KOLNP/20 07 | 22/02/2006 | 23/02/2005 | POWER OR COMMUNICATIONS CABLE WITH FLAME RETARDANT POLYMER LAYER | BOREALIS TECHNOLOGY OY | 04/01/2008 | KOLKATA |
| 12 | 264837 | 3525/KOLNP/20 06 | 03/06/2005 | 03/06/2004 | METHOD FOR RECYLING LIGHTWEIGHT METAL PARTS | ALULIGHT INTERNATIONAL GMBH | 15/06/2007 | KOLKATA |
| 13 | 264840 | 2252/KOLNP/20 09 | 21/11/2007 | 24/11/2006 | ABSORBENT REGENERATION WITH FLASHED LEAN SOLUTION AND HEAT INTEGRATION | AKER CLEAN CARBON AS | 03/07/2009 | KOLKATA |
| 14 | 264842 | 1667/KOLNP/20 07 | 14/10/2004 | 14/10/2004 | ROUTER AND METHOD FOR REFRESHING QUALITY OF SERVICE RESERVATION | TELEFONAKTIEBOLAGE T LM ERICSSON (PUBL) | 27/07/2007 | KOLKATA |
| 15 | 264843 | 3089/KOLNP/20 08 | 17/01/2007 | 20/01/2006 | METHOD FOR SMOOTHING WAFER SURFACE AND APPARATUS USED THEREFOR | SUMCO CORPORATION | 06/02/2009 | KOLKATA |
| 16 | 264844 | 3453/KOLNP/20 07 | 29/03/2006 | 29/03/2005 | IMPROVEMENTS RELATING TO ION TRAPPING | THERMO FINNIGAN LLC | 18/01/2008 | KOLKATA |
| 17 | 264851 | 631/KOLNP/200 9 | 19/06/2008 | 21/06/2007 | METHOD AND DEVICE FOR CUSTOMIZING INFORMATION | HUAWEI TECHNOLOGIES CO., LTD. | 15/05/2009 | KOLKATA |
| 18 | 264852 | 1541/KOLNP/20 07 | 07/10/2005 | 08/10/2004 | PUNCTURING/DEPUNCTU RING USING COMPRESSED DIFFERENTIAL PUNCTURING PATTERN | TELEFONAKTIEBOLAGE T LM ERICSSON (PULB) | 27/07/2007 | KOLKATA |
| 19 | 264857 | 2641/KOLNP/20 06 | 14/06/2005 | 14/06/2004 | IMPROVED METHOD FOR PRODUCING AN AROMATIC POLYCARBONATE. | Asahi Kasei Chemicals Corporation | 01/06/2007 | KOLKATA |
| 20 | 264862 | 4094/KOLNP/200 7 | 23/03/2006 | 29/03/2005 | (R)-2-[((1R,2S,5R)-2- ISOPROPYL-5-METHYL- CYCLOHEXANECARBONYL) -AMINOPROPIONIC ACID ALKYL ESTER COMPOUNDS AND COMPOSITIONS COMPRISING THEM | WEI, EDWARD, TAK | 02/01/2009 | KOLKATA |
| 21 | 264864 | 1145/KOL/2007 | 20/08/2007 | | A DRUG FORMAUTLION FOR THE CONTROL OF PEBRINE IN TASAR SILKWORM | CENTRAL TASAR RESEARCH AND TRAINING INSTITUTE | 01/05/2009 | KOLKATA |
| 22 | 264871 | IN/PCT/2002/14 14/KOL | 02/04/2002 | 29/03/2001 | INTEGRATED SAMPLE TESTING METER | INVERNESS MEDICAL LIMITED | 11/03/2005 | KOLKATA |
| 23 | 264873 | 1194/KOLNP/20 06 | 08/10/2004 | 10/10/2003 | METHOD OF AND SYSTEM FOR SCALABLE MOBILE-TERMINAL PLATFORM | TELEFONAKTIEBOLAGE T LM ERICSSON (publ) | 27/04/2007 | KOLKATA |

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| 25 | 264875 | 1666/KOLNP/20 07 | 14/10/2004 | 14/10/2004 | UPDATING QUALITY OF SERVICE RESERVATION | TELEFONAKTIEBOLAGE T LM ERICSSON (PUBL) | 27/07/2007 | KOLKATA |
| 26 | 264876 | 2054/KOLNP/20 06 | 06/12/2004 | 23/12/2003 | IMPROVING SIR ESTIMATES FOR NON- SCHEDULED MOBILE TERMINALS | TELEFONAKTIEBOLAGE T LM ERICSSON (publ) | 18/05/2007 | KOLKATA |
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| 28 | 264878 | 2134/KOLNP/20 07 | 06/10/2005 | 18/11/2004 | METHOD AND APPARATUS FOR SUPPORTING PACKET DATA SERVICES IN SERVICE AREA BOUNDARY REGIONS | TELEFONAKTIEBOLAGE T LM ERICSSON (PUBL) | 07/09/2007 | KOLKATA |
| 29 | 264882 | 234/KOL/2007 | 13/02/2007 15:10:07 | 17/02/2006 | ALUMINA-TITANIUM OXIDE-ZIRONIA FUSED GRAIN | SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN | 28/09/2007 | KOLKATA |
| 30 | 264891 | 4279/KOLNP/20 08 | 27/04/2006 | 27/04/2006 | EQUIPMENT AND PROCESS FOR UPGRADING OIL | TAPIOCA-COMERCIO E SERVICOS SOCIEDADE UNIPESSOAL LDA | 06/03/2009 | KOLKATA |
| 31 | 264892 | 3891/KOLNP/20 06 | 27/05/2005 | 28/05/2004 | INJECTION DEVICE | CILAG GMBH INTERNATIONAL | 22/06/2007 | KOLKATA |
| 32 | 264894 | 132/KOLNP/201 0 | 20/08/2008 | 21/08/2007 | THERMOPLASTIC POLYURETHANE TAPE | ASAHI KASEI FIBERS CORPORATION | 30/04/2010 | KOLKATA |
| 33 | 264895 | 2488/KOLNP/20 08 | 20/12/2006 | 26/01/2006 | COAXIAL PLUG-IN CONNECTOR ARRANGEMENT | HUBER + SUHNER AG | 23/01/2009 | KOLKATA |
| 34 | 264900 | 3747/KOLNP/200 6 | 13/05/2005 | 18/05/2004 | METHOD AND DEVICE FOR SEPARATING A CAST LENS FROM A SHELL MOLD | INTERGLASS TECHNOLOGY AG | 15/06/2007 | KOLKATA |
| 35 | 264901 | 1318/KOLNP/200 7 | 03/11/2005 | 03/11/2004 | SYSTEM AND METHOD FOR TRANSMITTING/RECEIVING INFORMATION RELATED TO A HYBRID AUTOMATIC REPEAT REQUEST IN A COMMUNICATION SYSTEM | SAMSUNG ELECTRONICS CO., LTD. | 20/07/2007 | KOLKATA |
| 36 | 264902 | 2665/KOLNP/20 06 | 16/03/2005 | 16/03/2004 | FISHING SINKER COMBINED BAIT CASE | YU, SUNG HO | 01/06/2007 | KOLKATA |
| 37 | 264903 | 562/KOL/2008 | 20/03/2008 | 30/03/2007 | SYNCHRONIZER ACTUATING SYSTEM | GM GLOBAL TECHNOLOGY OPERATION INC. | 10/10/2008 | KOLKATA |
| 38 | 264905 | 311/KOL/2008 | 20/02/2008 | 14/03/2007 | A ROTATABLE CLUTCH ASSEMBLY FOR A VEHICLE AND A METHOD FOR REDUCING CLUTCH WEAR IN A CLUTCH ASSEMBLY | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 03/10/2008 | KOLKATA |

| 39 | 264906 | 1753/KOL/2008 | 16/10/2008 15:48:52 | 17/10/2007 | APPARATUS AND METHODS FOR REDUCING RESONANCE IN MULTIPLE INVERTER SYSTEMS | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 05/06/2009 | KOLKATA |
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| 40 | 264907 | 1517/KOLNP/20 06 | 03/12/2004 | 08/12/2003 | DIRECTED FLOOD OF PUSH-TO-TALK ANNOUNCE MESSAGE | KYOCERA WIRELESS CORP. | 04/05/2007 | KOLKATA |
| 41 | 264908 | 926/KOLNP/200 7 | 16/09/2005 | 22/09/2004 | EXPOSURE APPARATUS, EXPOSURE METHOD, AND METHOD FOR MANUFACTURING DEVICE | NIKON CORPORATION | 13/07/2007 | KOLKATA |
| 42 | 264909 | 1224/KOL/2007 | 31/08/2007 15:51:35 | 05/09/2006 | DUAL WIRE INTERNAL MODE SWITCH ASSEMBLY | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 25/04/2008 | KOLKATA |
| 43 | 264910 | 968/KOL/2008 | 30/05/2008 16:57:17 | | IMPROVEMENT IN PROCESS OF ALIGNMENT OF STATOR CORE FOR CORRECT ASSEMBLY OF CONNECTING BUS BAR TO REDUCE MISMATCH OF TERMINAL CONNECTORS IN TOTAL IMPREGNATED TURBO GENERATOR | BHARAT HEAVY ELECTRICALS LIMITED | 04/12/2009 | KOLKATA |
| 44 | 264911 | 628/KOL/2008 | 28/03/2008 | | A COMPACT SINGLE UNIT SINGLE PHASE TRACTION TRANSFER WITH CHOKE UNITS, SERIES REACTOR AND COOLING EQUIPMENT MOUNTED ON BROAD GAUGE AC ELECTRICAL MULTIPLE UNIT LOCOMOTIVES AND A METHOD OF MANUFACTURING THE SAME THEREOF | BHARAT HEAVY ELECTRICALS LIMITED | 02/10/2009 | KOLKATA |
| 45 | 264912 | 870/KOL/2008 | 12/05/2008 | 28/06/2007 | AUTOMOTIVE POWER INVERTER WITH REDUCED CAPACITIVE COUPLING | GM GLOBAL TECHNOLOGY OPERATIONS INC. | 24/04/2009 | KOLKATA |

CONTINUED TO PART-2

CONTINUED FROM PART-1

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) DESIGN ASSIGNMENT

The Design stands in the name of OM FOOD PRODUCTS (G.U.M.) registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

| Design No. | Class | Name |
|------------|-------|---|
| 238271 | 09-01 | M/S FRUIT JUMP INDIA PVT. LTD. (A COMPANY DULY |
| 224492 | 07-02 | REGD. UNDER THE COMPANIES ACT, 1956), WHOSE |
| 206531 | 09-01 | ADDRESS IS 270, SECTOR-6, HANSI-125033, HARYANA |

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| SL NO | REGISTERED DESIGN NUMBERS | RENEWED ON |
|-------|---------------------------|-------------------|
| 1. | 191102 | 22.12.2014 |
| 2. | 193263 | 31.12.2014 |
| 3. | 193264 | 31.12.2014 |
| 4. | 193433 | 31.12.2014 |
| 5. | 193553 | 23.12.2014 |
| 6. | 194807 | 23.12.2014 |
| 7. | 194951 | 23.12.2014 |
| 8. | 194952 | 23.12.2014 |
| 9. | 195015 | 23.12.2014 |
| 10. | 195100 | 31.12.2014 |
| 11. | 199015 | 10.12.2014 |
| 12. | 199154 | 10.12.2014 |
| 13. | 199155 | 22.12.2014 |
| 14. | 199156 | 22.12.2014 |
| 15. | 199157 | 22.12.2014 |
| 16. | 199324 | 10.12.2014 |

RESTORATION OF LAPSED DESIGNS UNDER SECTION 12 (2) OF THE DESIGNS ACT, 2000

(01)

An application made under Section 12 (2) of the Designs act, 2000 on 07.03.2014, for Restoration of Design No.193263 dated 01.04.2003 in the name of MOVADO WATCH COMPANY S.A., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWITZERLAND, AND HAVING A PLACE OF BUSINESS AT BETTLACHSTRASSE 8, CH-2540, GRENCHEN, SWITZERLAND has been allowed.

(02)

An application made under Section 12 (2) of the Designs act, 2000 on 07.03.2014, for Restoration of Design No.193264 dated 01.04.2003 in the name of MOVADO WATCH COMPANY S.A., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWITZERLAND, AND HAVING A PLACE OF BUSINESS AT BETTLACHSTRASSE 8, CH-2540, GRENCHEN, SWITZERLAND has been allowed.

An application made under Section 12 (2) of the Designs act, 2000 on 06.12.2013, for Restoration of Design No.193553 dated 20.10.2003 in the name of PEST CONTROL (INDIA) PVT. LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT 36 YUSUF BUILDING, M.G.ROAD, MUMBAI-400001, MAHARASHTRA, INDIA has been allowed.

An application made under Section 12 (2) of the Designs act, 2000 on **28.03.2014**, for Restoration of **Design No.194807 dated 11.03.2004** in the name of **ARJAN IMPEX PVT. LTD., A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 OF AG-100, SANJAY GANDHI TRANSPORT NAGAR, NEW DELHI-110042** has been allowed.

An application made under Section 12 (2) of the Designs act, 2000 on **14.02.2014**, for Restoration of **Design No.194951 dated 13.01.2004** in the name of **FABRICACION ASIENTOS VEHICULOS INDUSTRIALES**, **S.A. A SPANISH COMPANY**, **OF C. HORTA**, **S/N. 08107 MARTORELLES**, **BARCELONA**, **SPAIN**, **INCORPORATED UNDER THE LAWS OF SPAIN** has been allowed.

An application made under Section 12 (2) of the Designs act, 2000 on **14.02.2014**, for Restoration of **Design No.194952 dated 13.01.2004** in the name of **FABRICACION ASIENTOS VEHICULOS INDUSTRIALES**, S.A. A SPANISH COMPANY, OF C. **HORTA**, S/N. **08107 MARTORELLES**, **BARCELONA**, **SPAIN**, **INCORPORATED UNDER THE LAWS OF SPAIN** has been allowed.

An application made under Section 12 (2) of the Designs act, 2000 on **17.06.2014**, for Restoration of **Design No.195015 dated 26.03.2004** in the name of **KIRLOSKAR OIL ENGINES LIMITED**, **A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT**, **AT LAXMANRAO KIRLOSKAR ROAD**, **KHADKI**, **PUNE-411003**, **MAHARASHTRA**, **INDIA** has been allowed.

(04)

(05)

(06)

(07)

(03)

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 | | 257435 | |
|---|-------------|--|----------------|
| CLASS | | 02-04 | |
| 1)M/S. AERO CLUB, OF THE 2 867, JOSHI ROAD, KAROL BA | Contra and | | |
| DATE OF REGISTRATION | | 11/10/2013 | The second Car |
| TITLE | | FOOTWEAR | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 255678 | |
| CLASS | | 14-03 | |
| 1)SAMSUNG ELECTRONICS 129, SAMSUNG-RO, YEONGT REPUBLIC OF KOREA, A COMP | ONG-GU, SUV | WON-SI, GYEONGGI-DO, 443-742 JBLIC OF KOREA | |
| DATE OF REGISTRATION | | 06/08/2013 | |
| TITLE | | MOBILE PHONE | |
| PRIORITY | I. | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 30-2013-0009480 | 23/02/2013 | REPUBLIC OF KOREA | |
| DESIGN NUMBER | | 264254 | |
| CLASS | | 12-16 | |
| 1)BAJAJ AUTO LIMITED, AN THE COMPANIES ACT OF 1950 AT NEW 2ND & 3RD FLOOR, K CHENNAI - 600006, STATE OF 7 AND REGISTERED OFFICE A MAHARASHTRA, INDIA | | | |
| DATE OF REGISTRATION | | 25/07/2014 | |
| TITLE | Η | FENDER FOR MOTORCYCLE | ~ |
| PRIORITY NA | | | |

| DESIGN NUMBER | | 256958 | | | |
|--|---------|------------|---------------------------|-------------|--------|
| CLASS | | 25-02 | | | |
| 1)HUNTER DOUGLAS INC., 1 BLUE HILL PLAZA, PEARL RIVER, NEW YORK 10965, U.S.A., NATIONALITY: U.S.A. | | | | ÷ | |
| DATE OF REGISTRATION | | 30/09 | /2013 | T | |
| TITLE | | | PONENT FOR AL COVERING | THA | |
| PRIORITY | | | | VA | 2 |
| PRIORITY NUMBER | DAT | Е | COUNTRY | 1 | |
| 29/451,382 | 01/04 | /2013 | U.S.A. | | |
| DESIGN NUMBER | | | 26124 | 15 | |
| CLASS | | | 12-1 | 6 | |
| 1) TATA MOTORS LIM BOMBAY HOUSE, 24 001, MAHARASHTRA, IN | HOMI MO | | | HOWK, MUMBA | AI 400 |
| DATE OF REGISTRATION | ON | | 25/03/2 | 014 | / //\ |
| TITLE | | | DRAIN PLUG REN | MOVAL TOOL | |
| PRIORITY NA DESIGN NUMBER | | | 264849 | | |
| CLASS | | 21-01 | | | |
| 1) PRADEEP SADANI, 6, CAMAC STREET, R INDIAN | OOM NO. | 308, 3RD | FLOOR, KOLKAT | A-700017, | |
| DATE OF REGISTRATION | ON | 19/08/2014 | | | |
| TITLE | | | CHESS BOARD |) | |
| PRIORITY NA | | | | Clear Deart | |

| DESIGN NUMBER | | | 257436 | |
|---|------------|------------|--------------------------------------|----|
| CLASS | | | 02-04 | |
| 1) M/S. AERO CLUB, OF THE 867, JOSHI ROAD, KAROL I | | | | |
| DATE OF REGISTRATION | | | 11/10/2013 | |
| TITLE | | | FOOTWEAR | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | | 263811 | |
| CLASS | | | 12-15 | |
| 1) M/S. JK TYRE & INDUSTR 7, COUNCIL HOUSE STREE | | | DF 0001, INDIA, AN INDIAN COMPANY | |
| DATE OF REGISTRATION | | | 01/07/2014 | |
| TITLE | | | TYRE | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | | 255682 | |
| CLASS | | | 14-03 | |
| 1)SAMSUNG ELECTRONICS 129, SAMSUNG-RO, YEONO REPUBLIC OF KOREA, A COM | A STORE | | | |
| DATE OF REGISTRATION | | | 06/08/2013 | |
| TITLE | | | MOBILE PHONE | |
| PRIORITY | | | | |
| PRIORITY NUMBER | DATE | TE COUNTRY | | 00 |
| 30-2013-0009483 | 23/02/2013 | \$ | REPUBLIC OF KOREA | 10 |

| DESIGN NUMBER | | | | | |
|---|-------------------------------|---------------------|---------------------------------------|--|--|
| CLASS | | 09-05 | | | |
| 1) CAFFITALY SYSTEM S.P.A., VIA PANIGALI 38, 40041 GAGGI ITALY | | | | | |
| DATE OF REGISTRATION | 1 | 0/02/2014 | | | |
| TITLE | CAPSULE CASING | FOR MAKING BEVERAGE | s | | |
| PRIORITY | | | | | |
| PRIORITY NUMBER | DATE | COUNTRY | | | |
| 29/464,107 | 13/08/2013 | U.S.A. | | | |
| DESIGN NUMBER | | 262171 | | | |
| CLASS | | 14-03 | · · · · · · · · · · · · · · · · · · · | | |
| 128, YEOUI-DAERO, YEONGDEU KOREA, A CORPORATION INCORP REPUBLIC OF KOREA | | | | | |
| DATE OF REGISTRATION | 3 | | | | |
| TITLE | TITLE TELEVISION | | | | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | 260811 | | | |
| CLASS | CLASS 09-01 | | | | |
| 1)PRAMIT SANGHAVI AND DEW V2 CORP., A PARTNERSHIP FIRM MERCHANTS, WHOSE ADDRESS WZ-8/1, INDUSTRIAL AREA, KIR | | | | | |
| DATE OF REGISTRATION | TE OF REGISTRATION 06/03/2014 | | | | |
| TITLE | | | | | |
| PRIORITY NA | | | | | |

| DESIGN NUMBER | 2 | 57437 | | | | | |
|---|---------------------------------|----------------------------|-----|--|--|--|--|
| CLASS | | 02-04 | D D | | | | |
| 1) M/S. AERO CLUB, OF THE A 867, JOSHI ROAD, KAROL BAG | | | | | | | |
| DATE OF REGISTRATION | ATE OF REGISTRATION 11/10/2013 | | | | | | |
| TITLE | FOO | DTWEAR | | | | | |
| PRIORITY NA | | | | | | | |
| DESIGN NUMBER | 2 | 63812 | | | | | |
| CLASS | | 12-15 | | | | | |
| 1) M/S. JK TYRE & INDUSTRIES 7, COUNCIL HOUSE STREET, K | | A, AN INDIAN COMPANY | | | | | |
| DATE OF REGISTRATION | DATE OF REGISTRATION 01/07/2014 | | | | | | |
| TITLE | | | | | | | |
| PRIORITY NA | | | | | | | |
| DESIGN NUMBER | 2 | .61962 | | | | | |
| CLASS | | 15-09 | | | | | |
| 1)SINTOKOGIO, LTD., A JAPAN 11-11, NISHIKI 1-CHOME, NAK | | | | | | | |
| DATE OF REGISTRATION | 23/ | | | | | | |
| TITLE | | DE FOR SHOTBLAST ACHINE | | | | | |
| PRIORITY | | | | | | | |
| PRIORITY NUMBER | DATE | COUNTRY | | | | | |
| 2013-025417 | 31/10/2013 | JAPAN | V | | | | |

| DESIGN NUMBER | | 261263 | | |
|---|------------------------------|--|------------|--|
| CLASS | | 26-05 | | |
| 1)MA DESIGN INDIA PRIVA INDIA HAVING ITS PRINCIP A-41, SECTOR-80, PHASE-I | AL PLACE OF | BUSINESS AT | PORATED IN | |
| DATE OF REGISTRATION | | | | |
| TITLE | | TABLE LAMP | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 263614 | | |
| CLASS | | 24-01 | | |
| 1)MR. SACHIN G. LOKAPU RESEARCH EQUIPMENT HA 5099, NEAR ASHA TALKIE MIRAJ-416410, DIST-SANGLI, | VING ITS PRI 5, OPP. OMKA | NCIPAL PLACE OF B R APARTMENT, SHAN | USINESS | |
| DATE OF REGISTRATION | | 24/06/2014 | | |
| TITLE | | ACTIVE PIXEL SENSOF HOLOGRAPHIC DE | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | 259830 | 1.3 | |
| CLASS | | 06-03 | | |
| 1)OK PLAY INDIA LTD. AT PLOT NO 17-18 ROZ-KA NUH, DISTRICT - MEWAT, HA | | | | |
| DATE OF REGISTRATION | | 29/01/2014 | | |
| TITLE | | TABLE | | |
| PRIORITY NA | | | | |

The Patent Office Journal 30/01/2015

| DESIGN NUMBER | 257441 | | | |
|---|--------------------|--------------|---------------------|--|
| CLASS | | | 02-04 | |
| 1) M/S. AERO CLUB, OF THE ADI 867, JOSHI ROAD, KAROL BAGH | | DELHI-110005 | | A St. |
| DATE OF REGISTRATION | | 11 | /10/2013 | Corp. |
| TITLE | | FO | OTWEAR | 5 |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | | 263816 | |
| CLASS | | | 12-15 | |
| 1) M/S. JK TYRE & INDUSTRIES 7, COUNCIL HOUSE STREET, KC | | | A, AN INDIAN COMPAN | Y STATE |
| DATE OF REGISTRATION | | 01 | /07/2014 | |
| TITLE | | | TYRE | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | | 258864 | |
| CLASS | | | 03-01 | |
| 1)FOLLI-FOLLIE COMMERCIAI SOCIETE ANONYME, 23RD KM. ATHENS-LAMIA HIGI NATIONALITY-GREECE | | | | de la companya de la comp |
| DATE OF REGISTRATION | 19/12/2013 | | | |
| TITLE | KEYHOLDER ASSEMBLY | | | |
| PRIORITY | | T | - | OF |
| PRIORITY NUMBER DATE | | DATE | COUNTRY | |
| | | | | |

| DESIGN NUMBER | | 261059 | |
|--|-------------------------|------------------------|---------------------------------------|
| CLASS | | 07-01 | |
| 1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI | 2 | | |
| DATE OF REGISTRATION | 19 | 9/03/2014 | |
| TITLE | LID (FOR COVERI | NG BOWLS AND DISHES) | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 261504 | |
| CLASS | | 23-04 | 0 |
| 1)KONINKLIJKE PHILIPS N.V., A UNDER THE LAWS OF THE KING EINDHOVEN, WHOSE POST-OFFI HIGH TECH CAMPUS 5, 5656 AE | | | |
| DATE OF REGISTRATION | 03 | 3/04/2014 | |
| TITLE | AIR PURIFIEF | WITH HUMIDIFIER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 002330035-0003 | 21/10/2013 | OHIM | |
| DESIGN NUMBER | | 261815 | |
| CLASS | | 21-02 | |
| 1) DECATHLON, 4, BOULEVARD DE MONS, 59650 COMPANY OF FRANCE |), VILLENEUVE D'AS | SCQ, FRANCE, A | |
| DATE OF REGISTRATION | 16 | 5/04/2014 | |
| TITLE | BASKETBALI | L TRAINING DEVICE | |
| PRIORITY | CONTRACTOR OF THE OWNER | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 002326124-0001 | 15/10/2013 | OHIM | |

| DESIGN NUMBER | | 263656 | |
|---|------------|---------------|-----|
| CLASS | | 07-02 | |
| 1)SURESH M. DODIA AN INDIAN NIKHEEL ENGINEERS OF UNIT N SHIV SHAKTI INDUSTRIAL CO- ESTATE, MAROL, ANDHERI (EAST) INDIAN | | | |
| DATE OF REGISTRATION | 2 | 5/06/2014 | |
| TITLE | | STOVE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 262414 | |
| CLASS | | 02-04 | |
| 1)NIKHIL INTERNATIONAL (SO AGARWAL), OF ADDRESS 42/42, WEST PUNJABI BAGH, NE | | | |
| DATE OF REGISTRATION | 0 | 7/05/2014 | |
| TITLE | SOLE FO | OR FOOTWEAR | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 262634 | |
| CLASS | | 09-07 | 18 |
| 1) DIVERSEY, INC., 8310 16TH STREET, M/S 509, P.O UNITED STATES OF AMERICA, A D | , | | |
| DATE OF REGISTRATION | 1 | 5/05/2014 | 000 |
| TITLE | CAP FOR | R A CONTAINER | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/472,842 | 15/11/2013 | U.S.A. | |

| DESIGN NUMBER | | 263 | 3082 | |
|---|--------------------------------|---|--|----------------------------------|
| CLASS | 23-01 | | | - Ani |
| 1)INVENT UMWELT-UND GERMAN COMPANY OF AM PESTALOZZIRING 21. | | | | |
| DATE OF REGISTRATION | | 03/06 | 5/2014 | |
| TITLE | | FLUID MOV | ING DEVICES | |
| PRIORITY | | | | |
| PRIORITY NUMBER | • | DATE | COUNTRY | |
| 002367805-0001 | | 11/12/2013 | OHIM | |
| DESIGN NUMBER | | 2 | 263137 | |
| CLASS | | | 06-05 | |
| 1)GODREJ & BOYCE MFG INCORPORATED UNDER TI GODREJ INTERIO, PLANT MUMBAI-400079, INDIA | HE C | OMPANIES AC ROJSHANAGE | C T, 1913, OF R, VIKHROLI (W | ST), |
| DATE OF REGISTRATION | | | /06/2014 | |
| TITLE | | COMBINE | ED WORK DESK | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 263196 | | | |
| CLASS | | | 08-06 | |
| 1)(1) MEHULBHAI D. CHA DHIRENBHAI SHAH ALL IN ARCHITECTURAL PRODUC PRINCIPAL PLACE OF BUS PLOT NO. 6, SURVEY NO. (TATA) SHOWROOM, NATIO 004, GUJARAT-INDIA. | DIAN CTS A INES 20, E | N NATIONAL H N INDIAN PAI S AT ADDRESS VEREST INDU | P ARTNER OF DM RTNERSHIP FIR S: STRIAL AREA, N | S M HAVING ITS EAR PERFECT |
| DATE OF REGISTRATION | | | 06/06/2014 | |
| TITLE | | | HANDLE | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | | 257444 | | | |
|---|--------------|--------------------|-------------|--|--|
| CLASS | | 02-04 | | | |
| 1) M/S. AERO CLUB, OF THE ADD 867, JOSHI ROAD, KAROL BAGH | | 5 | | | |
| DATE OF REGISTRATION | 1 | /10/2013 | | | |
| TITLE | FO | OTWEAR | | | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | 263222 | | | |
| CLASS | | 15-01 | \sim | | |
| 1) TRIVENI TURBINE LIMITED, A OF BUSINESS AT 12A, PEENYA INDUSTRIAL ARE | | | J:A-EA | | |
| DATE OF REGISTRATION | 10 |)/06/2014 | | | |
| TITLE | STEAM CASING | OF A STEAM TURBINE | ST SUL | | |
| PRIORITY NA | | | Vitter Back | | |
| DESIGN NUMBER | | 258867 | | | |
| CLASS | | 10-02 | - | | |
| 1)FOLLI-FOLLIE COMMERCIAL SOCIETE ANONYME, 23RD KM. ATHENS-LAMIA HIGH NATIONALITY-GREECE | | | | | |
| DATE OF REGISTRATION | 19 | 9/12/2013 | | | |
| TITLE | WRI | ST WATCH | | | |
| PRIORITY | _ | | | | |
| PRIORITY NUMBER | DATE | COUNTRY | | | |
| | | | | | |

| DESIGN NUMBER | | 259401 | |
|--|--------------|------------------|-------|
| CLASS | | 12-07 | |
| 1)ICON AIRCRAFT, INC., INCOR USA, OF 12511 BEATRICE STREET, LC AMERICA | at the | | |
| DATE OF REGISTRATION | 15 | 5/01/2014 | |
| TITLE | AMPHIBIOU | S AIRCRAFT HULL | 1 HAR |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/460776 | 15/07/2013 | U.S.A. | |
| DESIGN NUMBER | | 262300 | |
| CLASS | | 12-16 | |
| EXISTING UNDER THE LAWS OF 330 TOWN CENTER DRIVE, SUIT STATES OF AMERICA DATE OF REGISTRATION | | | |
| | | 2/05/2014 | |
| TITLE | VEHICLE FROM | NT LOWER VALANCE | - |
| PRIORITY PRIORITY NUMBER | DATE | COUNTRY | |
| 3020130056678 | 06/11/2013 | BRAZIL | |
| DESIGN NUMBER | | 262417 | |
| CLASS | | 02-04 | |
| 1)NIKHIL INTERNATIONAL (SO AGARWAL), OF ADDRESS 42/42, WEST PUNJABI BAGH, NE | A CELEBRA | | |
| DATE OF REGISTRATION | | 7/05/2014 | |
| TITLE | SOLE FC | OR FOOTWEAR | |
| PRIORITY NA | | | |

| DESIGN NUMBER | , | 260868 | |
|---|--|-----------------|-----------------|
| CLASS | | 14-02 | |
| 1)AMAZON TECHNOLOGIES, IN UNDER THE LAWS OF UNITED ST PO BOX 8102, RENO, NEVADA 8 | | | |
| DATE OF REGISTRATION | 10 | 0/03/2014 | |
| TITLE | ELECTRONI | C TABLET DEVICE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/466,816 | 11/09/2013 | U.S.A. | |
| DESIGN NUMBER | | 257864 | |
| CLASS | | 24-02 | |
| 1)OSTOMYCURE AS, A CORPOR THE LAW OF NORWAY, OF GAUSTADALLEEN 21, OSLO | (ATTAD) | | |
| DATE OF REGISTRATION | 29 | 0/10/2013 | ALL STATE |
| TITLE | OSTON | IY IMPLANT | (CHANNACAOPS) |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 735298701 | 30/04/2013 | WIPO | |
| DESIGN NUMBER | | 257445 | |
| CLASS | | 02-04 | |
| 1)M/S. AERO CLUB, OF THE ADI 867, JOSHI ROAD, KAROL BAGH | The second secon | | |
| DATE OF REGISTRATION | 11 | /10/2013 | C STA |
| TITLE | FO | OTWEAR | |
| PRIORITY NA | | | |

| DESIGN NUMBER | 262801 | | | |
|--|--|-----------------------|--|--|
| CLASS | LASS 26-02 | | | |
| 1)VAIBHAV MALHOTRA, VANSH RAJIV MALHOTRA (INDIAN NATI MANUFACTURING ENTERPRISE, CONCERN, ADDRESS- | I MALHOTRA, AMARPALI MALHOTRA AND | | | |
| DATE OF REGISTRATION | Contraction of the local division of the loc | | | |
| TITLE | SOLAR LANTERN CASE | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 263387 | | | |
| CLASS | 08-08 | | | |
| CREATION., AN INDIAN PARTNER PLACE OF BUSINESS AT, | AN NATIONAL PARTNERS OF M/S. BARRY RSHIP FIRM., HAVING ITS PRINCIPLE L SCHOOL, KALAWAD ROAD, RAJKOT- | | | |
| DATE OF REGISTRATION | 16/06/2014 | | | |
| TITLE | CURTAIN BRACKET | P | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 260031 | | | |
| CLASS | 08-07 | and the second second | | |
| AS CONTINENTAL INSTRUMENT | RIETOR), NATIONALITY INDIAN TRADING (INDIA) (THIS IS PROPRIETORSHIP FIRM) ER MARKET, AMBALA CANTT-133001 | | | |
| DATE OF REGISTRATION | 03/02/2014 | | | |
| TITLE | LOCKING DEVICE FOR OIL TANK OF VEHICLES | | | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | 261971 | | | | |
|---|--|--------|--|--|--|
| CLASS | CLASS 23-04 | | | | |
| | NGPO - GU, SEOUL 150 - 721, REPUBLIC OF DRATED UNDER THE LAWS OF THE REPUBLIC | | | | |
| DATE OF REGISTRATION | 23/04/2014 | | | | |
| TITLE | FRONT PANEL FOR AIR CONDITIONER | | | | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | 261168 | | | | |
| CLASS | 15-07 | | | | |
| | MPANY, HAVING ITS ADDRESS AT ADI, NEAR MINDA STONERIDGE INSTRUMENT | Leater | | | |
| DATE OF REGISTRATION | 21/03/2014 | | | | |
| TITLE | REFRIGERATION APPARATUS | - B | | | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | 263746 | | | | |
| CLASS | 23-04 | | | | |
| 1)SYMPHONY LIMITED (A COM COMPANIES ACT, 1956) HAVING I "SAUMYA", BAKERI CIRCLE, N (GUJARAT) INDIA | | | | | |
| DATE OF REGISTRATION | | | | | |
| TITLE | | | | | |
| PRIORITY NA | | | | | |

| DESIGN NUMBER | | 262302 | |
|---|-----------------|-------------------|---------|
| CLASS | | 28-01 | |
| 1)CHIHARU SHINOHARA, A JAP | ANESE CITIZEN O | | |
| 2-6-20-1101, NISHIMIYAHARA, Y | | | |
| DATE OF REGISTRATION | 02 | 2/05/2014 | |
| TITLE | ARTICLE FOR M | ALE CONTRACEPTION | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 2013-026023 | 07/11/2013 | JAPAN | |
| DESIGN NUMBER | | 262418 | |
| CLASS | | 02-04 | |
| AGARWAL), OF ADDRESS 42/42, WEST PUNJABI BAGH, NE DATE OF REGISTRATION | | DIA) 7/05/2014 | |
| TITLE | SOLE FO | OR FOOTWEAR | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 262632 | |
| CLASS | | 09-03 | |
| 1)DIVERSEY, INC., 8310 16TH STREET, M/S 509, P.O. UNITED STATES OF AMERICA, A D | | | |
| DATE OF REGISTRATION | 1: | 5/05/2014 | IN STAT |
| TITLE | CONTAI | NER WITH CAP | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/472,842 | 15/11/2013 | U.S.A. | |

| DESIGN NUMBER | 255464 | | | |
|---|---|------|--|--|
| CLASS | 04-02 | | | |
| | SIES IS A PROPRIETORSHIP FIRM OF GAT SINGH ROAD, VILE PARLE (W) MUMBAI- | | | |
| DATE OF REGISTRATION | 23/07/2013 | | | |
| TITLE | HAIR BRUSH | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 257442 | | | |
| CLASS | CLASS 02-04 | | | |
| 1) M/S. AERO CLUB, OF THE ADI 867, JOSHI ROAD, KAROL BAGH | | | | |
| DATE OF REGISTRATION | 11/10/2013 | | | |
| TITLE | FOOTWEAR | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 261282 | | | |
| CLASS | 15-09 | | | |
| 1)RIO TINTO ALCAN INTERNAT 1188 SHERBROOKE WEST, MON | | | | |
| DATE OF REGISTRATION | H | | | |
| TITLE | IMPELLER FOR A ROTARY INJECTOR | The | | |
| PRIORITY NA | | MA - | | |

| DESIGN NUMBER | 2 | 62415 | | |
|--|-------------------------------|--------------------|--------------------------------|---------|
| CLASS | 02-04 | | | |
| 1)NIKHIL INTERN BEING HARI KRISH 42/42, WEST PUNJ (INDIA) | AN AGARWAI | L), OF ADDRESS | ->~ | C.K. |
| DATE OF REGISTRATION | 07/ | 05/2014 | -V | TATA A |
| TITLE | SOLE FOR | R FOOTWEAR | | |
| PRIORITY NA | | | | DAMES - |
| DESIGN NUMBER | | | 262633 | |
| CLASS | | | 09-03 | |
| 1) DIVERSEY, INC. 8310 16TH STREE UNITED STATES OF | T, M/S 509, P.O. | | VANT, WI 53177-0902, RATION | |
| DATE OF REGISTRA | ATION | | 15/05/2014 | |
| TITLE | | CONTA | AINER WITH CAP | |
| PRIORITY PRIORITY NUMBER 29/472,842 | | DATE 15/11/2013 | COUNTRY U.S.A. | |
| DESIGN NUMBER | | | 259623 | |
| CLASS | | | 12-16 | |
| UNDER THE INDIAN | N COMPANIES NO. 18/2 (PART | ACT, AT | PANY INCORPORATED | |
| DATE OF REGISTRA | ATION | 23 | /01/2014 | |
| TITLE | | FRONT FENDER | R FOR MOTORCYCLE | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | 257 | 443 | |
|---|------------------|-----------------|--------------|
| CLASS | 02 | -04 | |
| 1) M/S. AERO CLUB, OF THE ADI 867, JOSHI ROAD, KAROL BAGH | | | |
| DATE OF REGISTRATION | 11/10 | /2013 | Ref ? |
| TITLE | FOOT | WEAR | |
| PRIORITY NA | | | |
| DESIGN NUMBER | 261 | 283 | |
| CLASS | 15 | -09 | |
| 1)RIO TINTO ALCAN INTERNAT 1188 SHERBROOKE WEST, MON | | EC, CANADA | |
| DATE OF REGISTRATION | 27/03 | /2014 | APY |
| TITLE | IMPELLER FOR A H | ROTARY INJECTOR | The state |
| PRIORITY | | | Att |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/468,307 | 27/09/2013 | U.S.A. | |
| DESIGN NUMBER | 263 | 741 | |
| CLASS | 09 | -01 | |
| 1)HAUSER LIFE STYLE PRODUC B/C, GOVT. INDUSTRIAL ESTATE 400067. [MAHARASHTRA] INDIA; WHOSE PARTNERS ARE MOHIT RATHOD, ARVIND VIMALCHAND S INDIANS OF THE ABOVE ADDRESS | | | |
| DATE OF REGISTRATION | 27/06 | /2014 | -0- <u>-</u> |
| TITLE | BOT | TLE | |
| PRIORITY NA | | | |

| DESIGN NUMBER | 262416 | | | |
|--|---|------------------------------|--|--|
| CLASS | 02-04 | | | |
| 1)NIKHIL INTERNATIONAL (SOL AGARWAL), OF ADDRESS 42/42, WEST PUNJABI BAGH, NEW | E PROPRIETOR BEING HARI KRISHAN V DELHI-110026 (INDIA) | A | | |
| DATE OF REGISTRATION | 07/05/2014 | | | |
| TITLE | SOLE FOR FOOTWEAR | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 263059 | | | |
| CLASS | 07-02 | | | |
| 1)NAME: PATEL BHARATBHAI, N B 11 JIVRAJ PARK SOCIETY, KHC AHMEDABAD-382350, GUJARAT, INI | | | | |
| DATE OF REGISTRATION | TE OF REGISTRATION 02/06/2014 | | | |
| TITLE | LE STOVE | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 257449 | | | |
| CLASS | 02-04 | and the second second second | | |
| 1)M/S. AERO CLUB, OF THE ADDI 867, JOSHI ROAD, KAROL BAGH, | | CURTER | | |
| DATE OF REGISTRATION | 11/10/2013 | | | |
| TITLE | FOOTWEAR | | | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | | 262749 | |
|---|---------------------|---------------------|----------|
| CLASS | | 06-11 | `~ |
| 1)HONDA ACCESS CORP., OF 18-4, NOBIDOME, 8-CHOME, NI | IZA-SHI, SAITAMA, 3 | 52-8589 JAPAN | |
| DATE OF REGISTRATION | 2 | 1/05/2014 | |
| TITLE | FLOOR MA | AT FOR VEHICLE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 260372 | |
| CLASS | | 06-01 | |
| 1)R. P. AUTOSTYLES A PROPRI F-20, 21, 63 & 64 UPSIDC, SELA((INDIA) | | | s |
| DATE OF REGISTRATION | 17 | 7/02/2014 | |
| TITLE | SEAT COVI | ER FOR VEHICLES | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 261091 | |
| CLASS | | 14-02 | |
| 1)AMAZON TECHNOLOGIES, IN UNDER THE LAWS OF UNITED S' PO BOX 8102, RENO, NEVADA 8 | G | | |
| DATE OF REGISTRATION | 19 | 9/03/2014 | |
| TITLE | COVE FOR HAND-H | ELD COMPUTING DEVIC | DE San V |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/467,672 | 20/09/2013 | U.S.A. | |

| DESIGN NUMBER | | 261455 | | | |
|--|----------------------|---|------------------|--------|-------------------|
| CLASS | | 13-03 | | | |
| 1)M/S ELEKTROLIT INDIAN COMPANY RI COMPANIES ACT, 195 OFFICE AT | EGISTER 56, HAVIN | ED UNDER THE NG ITS REGISTE | E RED | | the second second |
| 122, NAVJEEVAN C JAIPUR. | COMPLEX | , STATION ROAL |), | | |
| DATE OF REGISTRATION | | 02/04/2014 | | | uuuu |
| TITLE | LOA | D BREAK ARCIN CHAMBER | ſG | | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | 26 | 52578 | | |
| CLASS | | 1 | 2-08 | | |
| 1)BAYERISCHE MO OF PETUELRING 130, 8 COMPANY | 30809, MU | ENCHEN, GERM | ANY, A | GERMAN | |
| DATE OF REGISTRAT | ΓΙΟΝ | | 05/2014 | | _ |
| TITLE | | (| CAR | | |
| PRIORITY PRIORITY NUMBER | | DATE | COI | JNTRY | |
| DE 402013101109.2 | | 12/11/2013 | | RMANY | |
| | | | | | 850 |
| DESIGN NUMBER | | | | I | |
| CLASS | | | 7450 | | |
| 1)M/S. AERO CLUB, | | 02 | 7450 2-04 | | |
| 867, JOSHI ROAD, K | KAROL BA | 02 Address Agh, New Delh | 2-04 II-11000 | 15 | |
| | KAROL BA | 02 Address Agh, New Delh | 2-04 | 15 | |
| 867, JOSHI ROAD, K | KAROL BA | 02 ADDRESS AGH, NEW DELH 11/10 | 2-04 II-11000 | 15 | |

The Patent Office Journal 30/01/2015

| DESIGN NUMBER | 261456 | | | |
|---|--|--|--|--|
| CLASS | 13-03 | | | |
| | R) PVT. LTD., AN INDIAN COMPANY PANIES ACT, 1956, HAVING ITS REGISTERED TATION ROAD, JAIPUR. | | | |
| DATE OF REGISTRATION | 02/04/2014 | | | |
| TITLE | LOAD BREAK ARCING CHAMBER | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 261200 | | | |
| CLASS | 01-99 | | | |
| | GARS LTD. HAVING ADDRESS AS LLD TRADE CENTRE, NEW DELHI-110001 | | | |
| DATE OF REGISTRATION | ATE OF REGISTRATION 24/03/2014 | | | |
| TITLE | SUGAR CUBE | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 257438 | | | |
| CLASS | 02-04 | | | |
| 1) M/S. AERO CLUB, OF THE AD 867, JOSHI ROAD, KAROL BAG | | THE | | |
| DATE OF REGISTRATION | 11/10/2013 | and the second s | | |
| TITLE | FOOTWEAR | | | |
| PRIORITY NA | | North Colorest Colorest Colorest | | |

| DESIGN NUMBER | | 263813 | |
|--|------------------|-----------------------------|----|
| CLASS | | 12-15 | |
| 1) M/S. JK TYRE & INDUSTRIES 7, COUNCIL HOUSE STREET, KC | | IA, AN INDIAN COMPA | NY |
| DATE OF REGISTRATION | 01 | /07/2014 | |
| TITLE | | TYRE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 261963 | |
| CLASS | | 15-09 | |
| 1)SINTOKOGIO, LTD., A JAPANI 11-11, NISHIKI 1-CHOME, NAKA | | AICHI 4600003, JAPAN | |
| DATE OF REGISTRATION | 23 | 3/04/2014 | |
| TITLE | | ADE FOR SHOTBLAST ACHINE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | H/ |
| 2013-025415 | 31/10/2013 | JAPAN | Ψ. |
| DESIGN NUMBER | | 261266 | |
| CLASS | | 26-05 | |
| 1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI | LACE OF BUSINESS | AT | N |
| DATE OF REGISTRATION | 27 | 7/03/2014 | |
| TITLE | CEII | LING LAMP | |
| PRIORITY NA | | | |

| DESIGN NUMBER | 263562 | |
|---|---|--|
| CLASS | 07-05 | |
| HAVING ITS REGISTERED OFFIC | D, A COMPANY REGISTERED IN INDIA, E AT, IUMBAI 400023, STATE OF MAHARASHTRA, | |
| DATE OF REGISTRATION | 20/06/2014 | |
| TITLE | SOLEPLATE FOR STEAM IRON | |
| PRIORITY NA | | |
| DESIGN NUMBER | 263050 | |
| CLASS | 09-05 | |
| INDIAN SOLE PROPRIETORY FIR KUNDANDAS HOTCHANDANI, AN | DIST. THANE, MAHARASHTRA, INDIA, AN M, WHOSE PROPRIETOR IS ASHOK I INDIAN NATIONAL, RESIDENT OF ARTMENT, NEAR HEMRAJ DAIRY, E, MAHARASHTRA, INDIA 02/06/2014 | |
| TITLE | CAPSULE | |
| PRIORITY NA | CRISOLE | |
| DESIGN NUMBER | 263140 | |
| CLASS | 06-05 | |
| 1)GODREJ & BOYCE MFG. CO. L INCORPORATED UNDER THE CO GODREJ INTERIO, PLANT 4, PIR 400079, INDIA | | |
| DATE OF REGISTRATION | 05/06/2014 | |
| TITLE | WORK DESK | |
| PRIORITY NA | | |

| PRIORITY NA | | | | |
|---|---|-------------------|---|---------------|
| TITLE | | SEAT COVE | ER FOR VEHICLES | |
| (INDIA) DATE OF REGISTRATION | N | 17/02/2014 | | |
| 1) R. P. AUTOSTYLES A F-20, 21, 63 & 64 UPSIDO (INDIA) | | | | A DESCRIPTION |
| CLASS | | TODEIIID FIDM VIT | 06-01 | |
| DESIGN NUMBER | | | 260370 | |
| | | | | |
| 002354266 | | 29/11/2013 | OHIM | |
| PRIORITY NUMBER | | DATE | COUNTRY | - |
| PRIORITY | | | | |
| TITLE | | | BAG | - |
| DATE OF REGISTRATION | N | 22 | 2/05/2014 | |
| 1)GOUSSON-CONSULTA LIABILITY COMPANY OI STRADA SETTECAMIN | F | | L <mark>., AN ITALIAN LIMITEI</mark> A MARE (FERMO), ITALY | |
| CLASS | | | 03-01 | - |
| PRIORITY NA DESIGN NUMBER | | | 262803 | |
| TITLE | | FOOTWEAR | | 115 |
| DATE OF REGISTRATION | | 11/10/2013 | IN REAL | AT THE PARTY |
| 1) M/S. AERO CLUB, OF 867, JOSHI ROAD, KAR | | | | 100 |
| CLASS | | 02-04 | | |
| DESIGN NUMBER | | 257447 | | |

| DESIGN NUMBER | | 261089 | |
|---|---------------------|--------------------------------|--------|
| CLASS | | 14-02 | |
| 1)AMAZON TECHNOLOGIES, I UNDER THE LAWS OF UNITED S PO BOX 8102, RENO, NEVADA | STATES, HAVING ITS | OFFICE AT | 3 |
| DATE OF REGISTRATION | 19 | 0/03/2014 | |
| TITLE | | ND-HELD COMPUTING DEVICE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/467,661 | 20/09/2013 | U.S.A. | |
| DESIGN NUMBER | | 260090 | |
| CLASS | | 13-03 | |
| 1)AJANTA PRIVATE LIMITED, ORPAT INDUSTRIAL ESTATE, STATE OF GUJARAT, INDIA | | | |
| DATE OF REGISTRATION | 03 | 8/02/2014 | |
| TITLE | S | WITCH | |
| PRIORITY NA | | | L. |
| DESIGN NUMBER | | 262105 | |
| CLASS | | 03-01 | \sim |
| 1) KIND CONSUMER LIMITED., 79 CLERKENWELL ROAD, LON NATIONALITY: UNITED KINGDO | NDON, EC1R 5AR, UNI | TED KINGDOM; | |
| DATE OF REGISTRATION | 28 | 8/04/2014 | |
| TITLE | | IER FOR A SIMULATED GARETTE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 002334441 | 28/10/2013 | OHIM | |

| DESIGN NUMBER | | 263141 | |
|---|--------------|---|--------|
| CLASS | | 06-05 | |
| 1)GODREJ & BOYCE MFG. (INCORPORATED UNDER THI GODREJ INTERIO, PLANT 4 400079, INDIA | E COMPANIES | | |
| DATE OF REGISTRATION | | 05/06/2014 | |
| TITLE | | CABIN WORK DESK | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 259867 | |
| CLASS | | 14-02 | a |
| 1)SAMSUNG ELECTRONICS 129, SAMSUNG-RO, YEONG REPUBLIC OF KOREA, A COMI | TONG-GU, SUV | WON-SI, GYEONGGI-DO, 443-742, IBLIC OF KOREA | |
| DATE OF REGISTRATION | | 30/01/2014 | 101 |
| TITLE | | STYLUS | |
| PRIORITY | r | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 30-2013-0043836 | 27/08/2013 | REPUBLIC OF KOREA | |
| DESIGN NUMBER | | 257448 | |
| CLASS | | 02-04 | |
| 1)M/S. AERO CLUB, OF THE 867, JOSHI ROAD, KAROL B | | LHI-110005 | AEL |
| DATE OF REGISTRATION 11/10/2013 | | | |
| TITLE | | FOOTWEAR | C ALCO |
| PRIORITY NA | | | |

| DESIGN NUMBER | | 261090 | |
|---|-------------------|-----------------------------|----------|
| CLASS | | 14-02 | |
| 1)AMAZON TECHNOLOGIES, IN UNDER THE LAWS OF UNITED ST PO BOX 8102, RENO, NEVADA 8 | ATES, HAVING ITS | OFFICE AT | |
| DATE OF REGISTRATION | 19 | 9/03/2014 | |
| TITLE | | ND-HELD COMPUTING DEVICE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/467,667 | 20/09/2013 | U.S.A. | |
| DESIGN NUMBER | | 261436 | |
| CLASS | | 04-02 | a |
| 1)COLGATE-PALMOLIVE COME 300 PARK AVENUE, NEW YORK AMERICA | | | |
| DATE OF REGISTRATION | 01 | 1/04/2014 | (h) |
| TITLE | TOC | OTHBRUSH | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | /1 |
| 29/471,821 | 05/11/2013 | U.S.A. | U |
| DESIGN NUMBER | | 259829 | |
| CLASS | | 06-03 | |
| 1)OK PLAY INDIA LTD. AT PLOT NO. 17-18 ROZ-KA-MEO IN - MEWAT, HARYANA-122103 | IDUSTRIAL ESTATE, | , TEHSIL - NUH, DISTRICT | |
| DATE OF REGISTRATION | 29 | 9/01/2014 | |
| TITLE | , | TABLE | |
| PRIORITY NA | | | |

| DESIGN NUMBER | | 257440 | | | |
|---|--|--------------------------------|------------|-------------------|------------------|
| CLASS | 02-04 | | | | A |
| 1)M/S. AERO CLUB, OF T 867, JOSHI ROAD, KARO | | | 5 | | 15 |
| DATE OF REGISTRATION | | 11/10/2013 | | the states | |
| TITLE | | FOOTWEAR | | 2 2 | 100 |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | 261058 | | | |
| CLASS | | 07-01 | | The second second | |
| 1)MA DESIGN INDIA PRIV INCORPORATED IN INDIA BUSINESS AT A-41, SECTOR-80, PHASE | HAVINO | G ITS PRINCIPAL F | PLACE OF | a | |
| DATE OF REGISTRATION | | 19/03/2014 | | à | |
| TITLE | LID (FOR COVERING BOWLS AND DISHES) | | | 6 | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | | 261503 | | |
| CLASS | | | 23-04 | | |
| 1)KONINKLIJKE PHILIPS UNDER THE LAWS OF THI EINDHOVEN, WHOSE POS HIGH TECH CAMPUS 5, 5 | E KINGD F-OFFIC | OM OF THE NETH E ADDRESS IS | ERLANDS, 1 | RESIDING AT | 24 - 2 20 |
| DATE OF REGISTRATION | | 03 | | | |
| TITLE | | AIR PURIFIER WITH HUMIDIFIER | | | |
| PRIORITY | | | | | |
| PRIORITY NUMBER | | DATE | COUNT | ſRY | · · · · |
| 002330035-0002 | | 21/10/2013 | OHIM | | |
| | | | | | |

| DESIGN NUMBER | 261270 | |
|---|------------|--|
| CLASS | 06-03 | |
| 1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI | | |
| DATE OF REGISTRATION | 27/03/2014 | |
| TITLE | TABLE | |
| PRIORITY NA | | |
| DESIGN NUMBER | 261926 | |
| CLASS | 09-01 | |
| ALL PARTNERS OF M/S NAYASA I DULY REGISTERED UNDER THE I AT PLOT NOS. 225, 225, 227 AND 228 DISTRICT UNA-732141, HIMACHAL | g. | |
| DATE OF REGISTRATION | 22/04/2014 | |
| TITLE | BOTTLE | |
| PRIORITY NA | | |
| DESIGN NUMBER | 263655 | |
| CLASS | 07-02 | |
| 1)SURESH M. DODIA AN INDIAN NIKHEEL ENGINEERS OF UNIT N SHIV SHAKTI INDUSTRIAL CO-(ESTATE, MAROL, ANDHERI (EAST) INDIAN | | |
| DATE OF REGISTRATION | 25/06/2014 | |
| TITLE | STOVE | |
| PRIORITY NA | | Contraction of the Contract of |

| DESIGN NUMBER | | 260822 | |
|--|-------------|-------------------|---------------|
| CLASS | | 14-01 | G (2) |
| 1)SHARAD MITTAL, A CITIZEN 15600 NE 8TH STREET, SUITE BI | | | |
| DATE OF REGISTRATION | 06 | 5/03/2014 | A La |
| TITLE | WIRELES | SS HEADPHONE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/466,384 | 06/09/2013 | U.S.A. | |
| DESIGN NUMBER | | 262413 | |
| CLASS | | 02-04 | - |
| 1)NIKHIL INTERNATIONAL (SO AGARWAL), OF ADDRESS 42/42, WEST PUNJABI BAGH, NE DATE OF REGISTRATION | | | |
| TITLE | SOLE FO | OR FOOTWEAR | Participa Rev |
| PRIORITY NA | | | - |
| DESIGN NUMBER | | 262455 | |
| CLASS | | 20-03 | |
| 1)M/S JADEJA SPORTS AND ENT COMPANY INCORPORATED UND ADDRESS IS J-7, A.R.D. COMPLEX, SECTOR-1 | | | |
| DATE OF REGISTRATION | 07 | 7/05/2014 | |
| TITLE | ADVERTISEME | ENT DISPLAY BOARD | |
| PRIORITY NA | | | |

| DESIGN NUMBER | 26 | 2579 | |
|---|-------------------|--------------------|--|
| CLASS | 09 | 0-04 | |
| 1)MR. GHISULAL RATHOD, MR. MR. PANNALAL SHARMA, MR. JA AND MRS. BABITA RATHOD, ALL NAME AND STYLE OF M/S. CELLO REGISTERED UNDER THE PROVI HAVING OFFICE ADDRESS AT CORPORATE AVENUE, 'B' WING GOREGAON (EAST), MUMBAI-400 (| | | |
| DATE OF REGISTRATION | 13/0 | 5/2014 | |
| TITLE | DUS | TBIN | |
| PRIORITY NA | | | |
| DESIGN NUMBER | 25 | 9711 | |
| CLASS | 23 | 8-04 | 4 |
| 1)MITSUBISHI ELECTRIC CORP ORGANIZED AND EXISTING UND MANUFACTURERS AND MERCHA 7-3, MARUNOUCHI 2-CHOME, C | (S) | | |
| DATE OF REGISTRATION | 27/0 | 1/2014 | |
| TITLE | PROPELLER FAN FOR | VENTILATION DEVICE | r sol |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 2013-017797 | 05/08/2013 | JAPAN | |
| DESIGN NUMBER | 25 | 7451 | |
| CLASS | 02 | 2-04 | |
| 1) M/S. AERO CLUB, OF THE ADI 867, JOSHI ROAD, KAROL BAGH | Trail | | |
| DATE OF REGISTRATION | 11/1 | 0/2013 | |
| TITLE | FOOT | WEAR | A CARLER AND A CAR |
| PRIORITY NA | | | |

| DESIGN NUMBER | | 2 | 261457 | |
|--|----------------|---------------------------------------|---------------------------------|---------|
| CLASS | | | 14-03 | \sim |
| 1) VIVO MOBILE COMMUNI ADDRESS AT 283, BBK ROAD, WUSHA, C CHINA. | | | | |
| DATE OF REGISTRATION | | 02 | /04/2014 | |
| TITLE | | MOB | ILE PHONE | |
| PRIORITY PRIORITY NUMBER 201430020112.4 | | DATE 24/01/2014 | COUNTRY | |
| | | | | |
| | | | | |
| DESIGN NUMBER | | 261202 | | |
| CLASS | | 01-99 | | |
| 1)DHAMPURE SPECIALITY 24, SCHOOL LANE, NEAR W 110001 | | | | |
| DATE OF REGISTRATION | | 24/03/201 | 4 | |
| TITLE | | SUGAR CU | BE | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | | | 261769 | |
| CLASS | | | 12-15 | |
| 1)COMPAGNIE GENERALE COMPANY OF 12 COURS SAB AND MICHELIN RECHERCHI ROUTE LOUIS BRAILLE 10, | LON, E ET 1 | F-63000, CLERMON FECHNIQUE S.A., A | T-FERRAND, FRA SWISS COMPANY | NCE, OF |
| DATE OF REGISTRATION | | 16 | /04/2014 | |
| TITLE | | | TYRE | |
| PRIORITY PRIORITY NUMBER | | DATE | COUNTRY | |
| 13/4638 | | 25/10/2013 | FRANCE | |
| | | | | S 11141 |

| DESIGN NUMBER | 262425 | |
|---|--|------------|
| CLASS | 09-01 | |
| BUSINESS AS A PROPRIETOR UN FOODS HAVING ITS PRINCIPAL P | ASAWA, INDIAN NATIONAL, CARRYING ON DER THE NAME AND STYLE OF M/S GEM PLACE OF BUSINESS ADDRESS AT UDA, KISHAN BAGH, HYDERABAD-500064 | |
| DATE OF REGISTRATION | 07/05/2014 | (Internal |
| TITLE | BOTTLE | |
| PRIORITY NA | | |
| DESIGN NUMBER | 263139 | |
| CLASS | 06-05 | |
| 1)GODREJ & BOYCE MFG. CO. I INCORPORATED UNDER THE CO GODREJ INTERIO, PLANT 4, PIR 400079, INDIA | | |
| DATE OF REGISTRATION | 05/06/2014 | |
| TITLE | WORK DESK | |
| PRIORITY NA | | |
| DESIGN NUMBER | 257446 | |
| CLASS | 02-04 | |
| 1)M/S. AERO CLUB, OF THE ADD 867, JOSHI ROAD, KAROL BAGH | ALCO Y | |
| DATE OF REGISTRATION | 11/10/2013 | |
| TITLE | FOOTWEAR | |
| PRIORITY NA | |] |

| DESIGN NUMBER | | 262802 | |
|---|------------------|----------------------|-----|
| CLASS | | 02-04 | |
| 1)GOUSSON-CONSULTADORIA I LIABILITY COMPANY OF STRADA SETTECAMINI 116, I-63 | | , | |
| DATE OF REGISTRATION | 2 | 2/05/2014 | |
| TITLE | | SHOE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 002354274 | 29/11/2013 | OHIM | |
| DESIGN NUMBER | | 260369 | |
| CLASS | | 06-01 | |
| 1)R. P. AUTOSTYLES A PROPRIE F-20, 21, 63 & 64 UPSIDC, SELAQ (INDIA) | UI, DEHRADUN, UT | TARAKHAND-248197 | SAS |
| DATE OF REGISTRATION | 1 | 7/02/2014 | |
| TITLE | SEAT COV | ER FOR VEHICLES | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 263231 | |
| CLASS | | 12-15 | |
| 1) M/S. JK TYRE & INDUSTRIES I 7, COUNCIL HOUSE STREET, KC | | DIA, AN INDIAN COMPA | ANY |
| DATE OF REGISTRATION | 1 | 0/06/2014 | |
| TITLE | | TYRE | |
| PRIORITY NA | | | |

| DESIGN NUMBER | 263388 | |
|---|--|---------|
| CLASS | 08-08 | |
| INDIAN NATIONAL PARTNERS O PARTNERSHIP FIRM., HAVING II | D (2) BHAVESH K. SORATHIYA., BOTH F M/S. BARAK STEEL., AN INDIA 'S PRINCIPAL PLACE OF BUSINESS AT, ROAD, OPP. SATYAM MACHINE TOOLS, | No. |
| DATE OF REGISTRATION | 16/06/2014 | |
| TITLE | CURTAIN BRACKET | 1800 |
| PRIORITY NA | | |
| DESIGN NUMBER | 260088 | |
| CLASS | 13-03 | |
| 1)AJANTA PRIVATE LIMITED, A ORPAT INDUSTRIAL ESTATE, R STATE OF GUJARAT, INDIA | | |
| DATE OF REGISTRATION | 03/02/2014 | |
| TITLE | SWITCH | |
| PRIORITY NA | | |
| DESIGN NUMBER | 261171 | |
| CLASS | 12-16 | 4 ····· |
| 1) TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MOI 001, MAHARASHTRA, INDIA | INDIAN COMPANY OF DY STREET, HUTATMA CHOWK, MUMBAI 400 | |
| DATE OF REGISTRATION | 21/03/2014 | |
| TITLE | LOAD WASHER FOR A TIPPER HYDRAULIC CYLINDER | |
| PRIORITY NA | | |

| DESIGN NUMBER | | | , | 263150 | | |
|---|--------|-------------------------------------|-----------------------|-----------|-------|--|
| CLASS | | 09-03 | | | | |
| 1) M/S. S.G.S. DETERGEN REGISTERED UNDER TH NO. 95 & 96, RAJIV NAC INDIA | E INDI | AN COMPA | NIES ACT | Г, 1956), | | J, |
| DATE OF REGISTRATION | 1 | | 06 | 6/06/2014 | | |
| TITLE | | | CO | NTAINER | | |
| PRIORITY NA | | | | | | |
| DESIGN NUMBER | | 263 | 3219 | | | |
| CLASS | | 23 | 5-04 | | | |
| 1)FUJITSU GENERAL LI 1116, SUENAGA, TAKA KANAGAWA, 2 13-8502, JA | TSU-KI | | KI-SHI, | | | |
| DATE OF REGISTRATION | | 10/06/2014 | | | | |
| TITLE | | AIR CONDITIONER | | | | |
| PRIORITY PRIORITY NUMBER 2013-028910 | | DATE 0/12/2013 | COUN JAPAN 2574 | 1 | | F |
| DESIGN NUMBER CLASS | | | 12-1 | | | |
| 1)VOLVO LASTVAGNAL SE 405 08 GÖTEBORG, S | | | 12 | 10 | | (The |
| DATE OF REGISTRATION | 1 | 10/10/2013 | | | | |
| TITLE | | FRAME OF INSTRUMENT PAN VEHICLES | | EL FOR | NT MI | |
| PRIORITY | | | | | | |
| PRIORITY NUMBER | | DATE | | COUNTRY | ř | |
| 2013/0172 | | 11/04/2013 SWEDEN | | | | Contraction of the second seco |
| | | | | | | |

| DESIGN NUMBER | | 257453 | |
|---|------------|------------|------------|
| CLASS | | 02-04 | |
| 1) M/S. AERO CLUB, OF THE ADI 867, JOSHI ROAD, KAROL BAGH | ~ 17 | | |
| DATE OF REGISTRATION | 1 | 1/10/2013 | |
| TITLE | FC | OTWEAR | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 260200 | |
| CLASS | | 24-01 | |
| 1)MICHAEL PERTHU, A DANISH OF FRUEBJERGVEJ 3 2100 COPH | | RK | 25 |
| DATE OF REGISTRATION | 0′ | 7/02/2014 | |
| TITLE | AUTO | D-INJECTOR | * |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 002302265-0001 | 04/09/2013 | OHIM | |
| DESIGN NUMBER | | 261219 | |
| CLASS | | 03-01 | 5 |
| 1)VALENTINO S.P.A., A CORPOR THE LAWS OF ITALY, OF VIA TURATI, 16/18, I-20121 M | ER | | |
| DATE OF REGISTRATION | 2: | 5/03/2014 | and a land |
| TITLE | | BAG | h and |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| MI2013O000188 | 01/10/2013 | ITALY | L |

| DESIGN NUMBER | | 263534 | |
|--|------------------------------------|---------------------------------|-----------|
| CLASS | | 08-06 | |
| 1)(1) AJAYBHAI J. DUDHATRA A INDIAN NATIONAL PARTNERS OF PARTNERSHIP FIRM HAVING ITS PLOT NO. 212, AJI MAIN ROAD, | F JBM TECHNOCAS PRINCIPAL PLACE | T AN INDIAN E OF BUSINESS AT | |
| DATE OF REGISTRATION | 19 | 9/06/2014 | |
| TITLE | H | IANDLE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 259219 | |
| CLASS | | 10-07 | |
| 1)SWATCH AG (SWATCH SA) (SV JAKOB-STÄMPFLI-STRASSE 94, | | | |
| DATE OF REGISTRATION | 03 | 3/01/2014 | |
| TITLE | WA | TCH CASE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | and a lot |
| DM/081 371 | 19/07/2013 | WIPO | |
| DESIGN NUMBER | | 262685 | |
| CLASS | | 09-01 | |
| 1) PEPSICO, INC., INCORPORATI 700 ANDERSON HILL ROAD, PU OF AMERICA | | | |
| DATE OF REGISTRATION | 19 | 9/05/2014 | |
| TITLE | DI | SPENSER |) fa |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/472,886 | 17/11/2013 | U.S.A. | |

| DESIGN NUMBER | 263151 | |
|---|---|-------|
| CLASS | 09-03 | |
| UNDER THE INDIAN COMPANIES | L TD., (AN INDIAN COMPANY REGISTERED ACT, 1956), LIKUPPAM, CHENNAI-602 102, TAMILNADU, | |
| DATE OF REGISTRATION | 06/06/2014 | π |
| TITLE | CONTAINER | |
| PRIORITY NA | | |
| DESIGN NUMBER | 257430 | |
| CLASS | 02-04 | |
| 1)M/S. AERO CLUB, OF THE ADD 867, JOSHI ROAD, KAROL BAGH | - Top | |
| DATE OF REGISTRATION | 11/10/2013 | |
| TITLE | FOOTWEAR | |
| PRIORITY NA | | |
| DESIGN NUMBER | 257454 | |
| CLASS | 02-04 | |
| 1)M/S. AERO CLUB, OF THE ADD 867, JOSHI ROAD, KAROL BAGH | | |
| DATE OF REGISTRATION | 11/10/2013 | |
| TITLE | FOOTWEAR | |
| PRIORITY NA | | |

| DESIGN NUMBER | 259 | 619 | |
|---|--------------------|----------------------------|--|
| CLASS | 12 | -16 | |
| 1)MAHINDRA TWO WHEELERS UNDER THE INDIAN COMPANIES D1 BLOCK, PLOT NO. 18/2 (PART MAHARASHTRA, INDIA. | ACT, AT | | |
| DATE OF REGISTRATION | 23/01 | /2014 | |
| TITLE | | AMP ASSEMBLY FOR RCYCLE | |
| PRIORITY NA | | | |
| DESIGN NUMBER | 261 | 220 | |
| CLASS | 03 | -01 | |
| 1)VALENTINO S.P.A., A CORPOR THE LAWS OF ITALY, OF VIA TURATI, 16/18, I-20121 M | | ND EXISTING UNDER | |
| DATE OF REGISTRATION | 25/03 | /2014 | |
| TITLE | BA | AG | |
| PRIORITY PRIORITY NUMBER MI2013O000188 | DATE 01/10/2013 | COUNTRY ITALY | Contraction of the second |
| DESIGN NUMBER | 262 | 385 | |
| CLASS | 25 | -02 | |
| 1)USG INTERIORS, LLC, A COM 550 WEST ADAMS STREET, CHI | 7.) | | |
| DATE OF REGISTRATION | 06/05 | /2014 | S S |
| TITLE | CROSS TEE WITH A | HOLE LOCKING TAB | 8 |
| PRIORITY | | | C. |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/472,216 | 11/11/2013 | U.S.A. | |

| DESIGN NUMBER | 20 | 52456 | |
|--|------------------|-------------------|---|
| CLASS | 2 | 0-03 | |
| 1)M/S JADEJA SPORTS AND ENT COMPANY INCORPORATED UND ADDRESS IS J-7, A.R.D. COMPLEX, SECTOR-1 | ER THE COMPANIES | ACT OF 1956 WHOSE | |
| DATE OF REGISTRATION | 07/0 | 05/2014 | |
| TITLE | ADVERTISEMEN | T DISPLAY BOARD | - |
| PRIORITY NA | | | |
| DESIGN NUMBER | 25 | 57452 | |
| CLASS | 0 | 2-04 | |
| 1)M/S. AERO CLUB, OF THE ADI 867, JOSHI ROAD, KAROL BAGH | | | |
| DATE OF REGISTRATION | 11/1 | 0/2013 | |
| TITLE | FOO | TWEAR | |
| PRIORITY NA | | | Ö |
| DESIGN NUMBER | 25 | 50643 | |
| CLASS | 1 | 2-08 | |
| 1)MAN TRUCK & BUS AG, A GEB DACHAUER STR. 667, 80995 MU | | | |
| DATE OF REGISTRATION | 03/0 | 01/2013 | |
| TITLE | DRIVERS CAB OF | A UTILITY VEHICLE | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 001335236 | 04/07/2012 | OHIM | |

| DESIGN NUMBER | | 2604 | 14 | |
|---|-----------------------------------|---------------------|--|--|
| CLASS | | 14-0 | 02 | |
| 1)HO E SCREW & HARDWARE C EXISTING UNDER THE LAWS OF NO. 8, LANE 42, SEC. 2, NAN KE | | | | |
| DATE OF REGISTRATION | | 17/02/2 | 2014 | |
| TITLE | USE | B MEMO | RY STICK | |
| PRIORITY | | | | |
| PRIORITY NUMBER | DATE | | COUNTRY | |
| 102305860 | 02/09/2013 | | TAIWAN | |
| DESIGN NUMBER | | 2617 | 70 | |
| CLASS | | 12-1 | 5 | () () () () () () () () () () () () () (|
| 1)COMPAGNIE GENERALE DES COMPANY OF 12 COURS SABLON AND MICHELIN RECHERCHE ET ROUTE LOUIS BRAILLE 10, CH- DATE OF REGISTRATION TITLE PRIORITY | , F-63000, CLERN TECHNIQUE S.A | MONT-F A., A SWI | ERRAND, FRANCE, ISS COMPANY OF SWITZERLAND 2014 | |
| PRIORITY NUMBER | DATE | | COUNTRY | |
| 13/4643 | 25/10/2013 | | FRANCE | |
| DESIGN NUMBER | | 2612 | 17 | |
| CLASS | | 02-0 |)4 | <u></u> |
| 1)VALENTINO S.P.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF ITALY, OF VIA TURATI, 16/18, I-20121 MILANO, ITALY | | | | CARBER |
| DATE OF REGISTRATION | 25/03/2014 | | | |
| TITLE | SHOE | | | |
| PRIORITY | | | | |
| PRIORITY NUMBER | DATE | | COUNTRY | |
| MI2013O000189 | 01/10/2013 | | ITALY | |

| DESIGN NUMBER | 257431 | |
|---|----------------------------|----------------|
| CLASS | 02-04 | |
| 1)M/S. AERO CLUB, OF THE ADD 867, JOSHI ROAD, KAROL BAGH | | |
| DATE OF REGISTRATION | 11/10/2013 | A THE PARTY OF |
| TITLE | FOOTWEAR | |
| PRIORITY NA | | |
| DESIGN NUMBER | 259622 | |
| CLASS | 12-16 | |
| UNDER THE INDIAN COMPANIES D1 BLOCK, PLOT NO. 18/2 (PART MAHARASHTRA, INDIA. | | |
| DATE OF REGISTRATION | 23/01/2014 | |
| TITLE | CHAIN COVER FOR MOTORCYCLE | |
| PRIORITY NA | | |
| DESIGN NUMBER | 261108 | |
| CLASS | 02-03 | |
| 1)M/S STEELBIRD HI-TECH IND UNDER THE COMPANIES ACT, 19 B2B 17, NEAR METRO PILLAR N | | |
| DATE OF REGISTRATION | 19/03/2014 | |
| TITLE | HELMET | |
| PRIORITY NA | | |

| DESIGN NUMBER | 2 | 261221 | |
|---|--------------------|--------------------|------------------------|
| CLASS | | 03-01 | |
| 1)VALENTINO S.P.A., A CORPO UNDER THE LAWS OF ITALY, OF VIA TURATI, 16/18, I-20121 | | | |
| DATE OF REGISTRATION | 25/ | /03/2014 | |
| TITLE | | BAG | With Mil |
| PRIORITY PRIORITY NUMBER MI2013O000188 | DATE 01/10/2013 | COUNTRY ITALY | |
| DESIGN NUMBER | | 263536 | |
| CLASS | | 02-04 | |
| 1) M/S UNITED FOOTWEAR CO DELHI-110040, AN INDIAN PROPRIETORSHIP GUPTA, OF ABOVE ADDRESS, AN | FIRM, WHOSE PR | OPRIETOR IS SHEKHA | |
| DATE OF REGISTRATION | | 20/06/2014 | |
| TITLE PRIORITY NA | | OOTWEAR SOLE | |
| DESIGN NUMBER | 257 | 7432 | |
| CLASS | | -04 | と 調査を 一世 かく シン・ とうから 通 |
| 1) M/S. AERO CLUB, OF THE AN 867, JOSHI ROAD, KAROL BAC | | 0005 | |
| DATE OF REGISTRATION | 11/10/2013 | | |
| TITLE | FOOT | WEAR | 1 0 Martin |
| PRIORITY NA | | | |

| DESIGN NUMBER | | 257457 | |
|---|------------|------------|---|
| CLASS | | 02-04 | |
| 1) M/S. AERO CLUB, OF THE A 867, JOSHI ROAD, KAROL BAG | | 5 | |
| DATE OF REGISTRATION | 1 | 1/10/2013 | 3900 |
| TITLE | FO | OTWEAR | |
| PRIORITY NA | | | the second se |
| DESIGN NUMBER | | 263322 | |
| CLASS | | 24-04 | |
| 1) MEHAR ENTERPRISES AN IN SHOP NO. 4, BD MARKET, PITA JASJIT SINGH AS AN INDIAN NAT | R IS | | |
| DATE OF REGISTRATION | 13 | 3/06/2014 | |
| TITLE | ABDO | MINAL BELT | |
| PRIORITY NA | | | |
| DESIGN NUMBER | | 260998 | |
| CLASS | | 25-02 | |
| 1) HITACHI METALS TECHNO, 4-2, TOKYO 2-CHOME, KOTO-H DULY ORGANIZED UNDER THE L | 4 | | |
| DATE OF REGISTRATION | 14 | 4/03/2014 | |
| TITLE | FLO | OR PANEL | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 2013-021508 | 17/09/2013 | JAPAN | |

| DESIGN NUMBER | 261109 | |
|----------------------------|---|-----|
| CLASS | 02-03 | |
| UNDER THE COMPANIES ACT, | DIA LIMITED (A COMPANY INCORPORATED 1956) HAVING ITS REGISTERED OFFICE AT NO. 540, JANAK PURI, NEW DELHI-110058 | |
| DATE OF REGISTRATION | 19/03/2014 | |
| TITLE | HELMET | |
| PRIORITY NA | | |
| DESIGN NUMBER | 263538 | |
| CLASS | 15-06 | |
| AHMEDABAD 382445, GUJARAT, | SE III, GIDC INDUSTRIAL ESTATE, VATVA, INDIA | |
| DATE OF REGISTRATION | 20/06/2014 | |
| TITLE | SEWING MACHINE | |
| PRIORITY NA | | |
| DESIGN NUMBER | 261231 | |
| CLASS | 15-03 | 1 |
| | I AR, AN INDIAN NATIONAL OF : LUKA-VIJAPUR, DISTRICT:-MEHSANA-384 355 | |
| DATE OF REGISTRATION | 24/03/2014 | |
| TITLE | AGRICULTURE GRASS CUTTER MACHINE | |
| PRIORITY NA | · | Dat |

| DESIGN NUMBER | | 262394 | | | |
|---|--------------------------|----------------------------|-------------------------------------|-----------------------------------|-----------------|
| CLASS | | 09-07 | | | |
| 1)UNILEVER PLC, A COMPAN UNDER COMPANY NO. 41424 O UNILEVER HOUSE, 100 VICTO UNITED KINGDOM | F | | | | |
| DATE OF REGISTRATION | | | 06/05/ | 2014 | |
| TITLE | | | CAP FOR CO | ONTAINER | |
| PRIORITY | | | | | |
| PRIORITY NUMBER |] | DATE | | COUNTRY | Borroative view |
| 002342972-0001 | | 11/11/20 |)13 | OHIM | |
| DESIGN NUMBER | | | 2556 | 577 | |
| CLASS | | | 14-0 |)3 | |
| 1)SAMSUNG ELECTRONICS C 129, SAMSUNG-RO, YEONGTC REPUBLIC OF KOREA, A COMPA | ONG-GU | , SUWC | LIC OF KORE | EA | |
| DATE OF REGISTRATION | | 06/08/2013 | | | |
| TITLE | | | MOBILE | PHONE | |
| PRIORITY | | | 1 | | |
| PRIORITY NUMBER I | DATE | | COUNTRY | | - O |
| 30-2013-0009479 | 23/02/201 | 3 | REPUBLIC | OF KOREA | |
| DESIGN NUMBER | | | 2642 | 253 | |
| CLASS | | 12-16 | | | |
| 1)BAJAJ AUTO LIMITED, AN I THE COMPANIES ACT OF 1956, AT NEW 2ND & 3RD FLOOR, KI CHENNAI - 600006, STATE OF T AND REGISTERED OFFICE A MAHARASHTRA, INDIA | HAVIN HVRAJ AMIL N | G ITS I BUILD ADU, I | PRINCIPAL DING, NO. 610 NDIA, | PLACE OF BUSINES 6, ANNASALAI, | s |
| DATE OF REGISTRATION | | | 25/07/ | 2014 | |
| TITLE | | CHAIN | N COVER FO | R MOTORCYCLE | |
| PRIORITY NA | | | | | |

| DESIGN NUMBER | 2 | 261112 | | |
|--|-------------------|----------------------------------|-------------------------|-----------|
| CLASS | | 29-02 | | \sim |
| 1)3M INNOVATIVE PROPER INCORPORATED IN THE STA 3M CENTER, SAINT PAUL, | TE OF DELAWARE | OF | | |
| DATE OF REGISTRATION | 19 | /03/2014 | 1.04 | |
| TITLE | RESPIRAT | OR FACE SEAL | | X III |
| PRIORITY | | | ſ | \square |
| PRIORITY NUMBER | DATE | COUNTRY | U. | |
| 29/467,802 | 24/09/2013 | U.S.A. | 1 | |
| | | | | |
| DESIGN NUMBER | | 5957 | | |
| CLASS | 25 | -02 | | |
| 1)HUNTER DOUGLAS INC., 1 BLUE HILL PLAZA, PEAR NATIONALITY: U.S.A. | L RIVER, NEW YORF | K 10965, U.S.A., | - | |
| DATE OF REGISTRATION | 30/09 | 9/2013 | | |
| TITLE | | PONENT FOR RAL COVERING | 1 | |
| PRIORITY | | | X | F |
| PRIORITY NUMBER | | DATE COUNTRY | | |
| 29/451,382 | 01/04/2013 | U.S.A. | | |
| DESIGN NUMBER | | 261242 | | |
| CLASS | | 15-99 | | |
| 1)NARAYANAN NAMBOOD PARTNERSHIP AS LOHASHII ANAMANGAD, PERINTHAI KERALA | LPI AT | | | |
| DATE OF REGISTRATION | | 26/03/2014 | | - |
| TITLE | | JBBER ROLLER FO RUBBER SHEETS | $\langle \cdot \rangle$ | |
| PRIORITY NA | | | | |

| DESIGN NUMBER | 262262 | |
|--|---|---------------------------------------|
| CLASS | 15-01 | |
| 1) TRIVENI TURBINE LIMITED OF BUSINESS AT 12A, PEENYA INDUSTRIAL AR | AN INDIAN COMPANY HAVING ITS PLACE | |
| DATE OF REGISTRATION | 01/05/2014 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| TITLE | STEAM CASING OF A BACK PRESSURE TURBINE | A-2- |
| PRIORITY NA | | |
| DESIGN NUMBER | 257433 | |
| CLASS | 02-04 | |
| 1)M/S. AERO CLUB, OF THE AI 867, JOSHI ROAD, KAROL BAC | | |
| DATE OF REGISTRATION | 11/10/2013 | |
| TITLE | FOOTWEAR | |
| PRIORITY NA | | |
| DESIGN NUMBER | 263323 | |
| CLASS | 24-04 | |
| | IDIAN SOLE PROPRIETORSHIP FIRM AT AMPURA, DELHI-110088 WHOSE PROPRIETOR IS YONAL OF ABOVE ADDRESS | |
| DATE OF REGISTRATION13/06/2014 | | |
| TITLE | KNEE CAP | |
| PRIORITY NA | | |

| DESIGN NUMBER | 2 | 53357 | |
|--|--|-------------------------------|--|
| CLASS | (| 18-09 | |
| 1)GOPALBHAI S. VANSAJALIYA INDIAN NATIONAL PARTNERS O PARTNERSHIP FIRM HAVING ITS SAMRAT INDUSTRIAL AREA, S' NEAR ELLORA TILES, RAJKOT-360 | F ANAND PLASTIC A S PRINCIPAL PLACE TREET NO. 22, BEHINI | N INDIAN OF BUSINESS AT | |
| DATE OF REGISTRATION | 16/ | 06/2014 | |
| TITLE | MAGNETIC I | DOOR CATCHER | |
| PRIORITY NA | | | |
| DESIGN NUMBER | 2: | 56956 | |
| CLASS | 2 | 5-02 | |
| 1)HUNTER DOUGLAS INC., 1 BLUE HILL PLAZA, PEARL RIV U.S.A. | VER, NEW YORK 10965 | 5, U.S.A., NATIONALITY: | |
| DATE OF REGISTRATION | 30/ | 09/2013 | |
| TITLE | | F FOR ARCHITECTURAL /ERING | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 29/451,382 | 01/04/2013 | U.S.A. | |
| DESIGN NUMBER | 20 | 52145 | |
| CLASS | (| 4-02 | |
| 1)ANCHOR HEALTH & BEAUTY MARATHON NEXT GEN., OFF G.K PARK, LOWER PAREL (W), MUMI INDIA, / A PRIVATE LIMITED COMPANY COMPANIES ACT., ABOVE ADDRE | | | |
| DATE OF REGISTRATION | 29/ | 04/2014 | |
| TITLE | ТООТ | H BRUSH | |
| PRIORITY NA | | | |

| DESIGN NUMBER | 263539 | | | |
|--|--|--|--|--|
| CLASS | 15-06 | | | |
| PANCHAL GEETA RAMESHKUMA ALL INDIAN NATIONALS, TRADIN INDIAN PARTNERSHIP FIRM, ADI | E III, GIDC INDUSTRIAL ESTATE, VATVA, | | | |
| DATE OF REGISTRATION | 20/06/2014 | | | |
| TITLE | SEWING MACHINE | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 257439 | | | |
| CLASS | 02-04 | | | |
| 1) M/S. AERO CLUB, OF THE ADD 867, JOSHI ROAD, KAROL BAGH | | A CONTRACTOR | | |
| DATE OF REGISTRATION | COF REGISTRATION 11/10/2013 | | | |
| TITLE | FOOTWEAR | | | |
| PRIORITY NA | | | | |
| DESIGN NUMBER | 263814 | | | |
| CLASS | 12-15 | | | |
| 1) M/S. JK TYRE & INDUSTRIES I 7, COUNCIL HOUSE STREET, KO | J MITED, OF LKATA-700001, INDIA, AN INDIAN COMPANY | E | | |
| DATE OF REGISTRATION | 01/07/2014 | | | |
| TITLE | TYRE | | | |
| PRIORITY NA | | The second secon | | |

| DESIGN NUMBER | | | 262778 | | |
|--|----------|--------------------|------------------|-----------|------|
| CLASS | 31-00 | | | | |
| 1) PRADEEPKUMAR NAND GANGAPURWALA, 2275 ADAT BAZAR, AHME | | | | DIA | |
| DATE OF REGISTRATION | | , | 21/05/2014 | · · · · · | |
| TITLE | | | MIXER GRIND | ER | |
| PRIORITY NA | | | | | |
| DESIGN NUMBER | | | 261151 | | |
| CLASS | | | 08-06 | | |
| 1)SHEDRAIN CORPORATION LAWS OF U.S.A. AND HAVIN 8303 NE KILLINGSWORTH STATES OF AMERICA | IG ITS A | DDRESS AT | | | |
| DATE OF REGISTRATION | | 2 | 20/03/2014 | | A DO |
| TITLE | | BUTTON | FOR A HAND | LE | ~ |
| PRIORITY PRIORITY NUMBER 29/468,383 | | DATE 30/09/2013 | COUNTR U.S.A. | RY | |
| DESIGN NUMBER | | 262052 | | _ | |
| CLASS | | 15-03 | | 4 | |
| 1)CHAVDA RAJUBHAI RAN INDIAN, ADDRESS AT POST: RAMPURA, TAL: W 363435 GUJARAT, INDIA | | | | | |
| DATE OF REGISTRATION | | 25/04/2014 | | 800 | |
| TITLE | S | UGARCANE HAR | VESTER | | |
| PRIORITY NA | | | | | |

| DESIGN NUMBER | | 261502 | |
|--|--------------------------------|---------------------------|-----------|
| CLASS | 23-04 | | +3.0.1 |
| 1)KONINKLIJKE PHILIPS N.V., A UNDER THE LAWS OF THE KING EINDHOVEN, WHOSE POST-OFFI HIGH TECH CAMPUS 5, 5656 AE | DOM OF THE NI CE ADDRESS IS | ETHERLANDS, RESIDING | AT O |
| DATE OF REGISTRATION | 03/04/2014 | | |
| TITLE | AIR PURIFIER WITH HUMIDIFIER | | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 002330035-0001 | 21/10/2013 | OHIM | |
| DESIGN NUMBER | | 255968 | |
| CLASS | | 14-01 | |
| 1)SAMSUNG ELECTRONICS CO. OF 129, SAMSUNG-RO, YEONGT REPUBLIC OF KOREA | | N-SI, GYEONGGI-DO, 443-74 | 12, |
| DATE OF REGISTRATION | 22/08/2013 | | |
| TITLE | DISPLAY SCREEN FOR TELEVISION | | |
| PRIORITY | | | |
| PRIORITY NUMBER | DATE | COUNTRY | |
| 30-2013-0009400 | 22/02/2013 | KOREA(SOUTH) | \supset |
| DESIGN NUMBER | 261269 | | |
| CLASS | 26-05 | | |
| 1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL P A-41, SECTOR-80, PHASE-II, NO | LACE OF BUSIN | ESS AT | |
| DATE OF REGISTRATION | 27/03/2014 | | |
| TITLE | TABLE LAMP | | |
| PRIORITY NA | | | |

| DESIGN NUMBER | 260821 | |
|--|---------------|----|
| CLASS | 09-03 | |
| 1)GUANGZHOU SUNDA INTERN. (INTERNATIONAL TRADING COM THE LAWS OF CHINA), HAVING I 2/F XIAN RENGE BUSINESS CEM DISTRICT, GUANGZHOU, CHINA | • | |
| DATE OF REGISTRATION | 06/03/2014 | 1 |
| TITLE | PACKAGING BOX | |
| PRIORITY NA | | an |