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शासकीय जर्नल

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पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

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

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

10th MAY, 2013

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**THE PATENT OFFICE
KOLKATA, 10/05/2013**

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2	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office, S.M. Road, Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in</p> <p>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli</p>	5	<p>The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091</p> <p>Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in</p> <p>❖ Rest of India</p>
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www.patentoffice.nic.in

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पेटेंट कार्यालय
कोलकाता, दिनांक 10/05/2013
कार्यालयों के क्षेत्राधिकार के पते

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

<p>1</p> <p>कार्यालय: महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई -400 037, भारत. फोन: (91)(22) 24123311 फैक्स: (91)(22) 24123322 ई.मेल: cgpdtm@nic.in</p>	<p>4</p> <p>पेटेंट कार्यालय चेन्नई, इंटेलेक्चुअल प्रोपर्टी राइट्स बिल्डिंग इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईगल फ्लास्क जी.एस.टी. रोड, गायन्डी, चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फैक्स: (91)(44) 2250-2066 ई.मेल: chennai-patent@nic.in ❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षद्वीप</p>
<p>2</p> <p>पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई - 400 037, फोन: (91)(22) 2413 7701, फैक्स: (91)(22) 2413 0387 ई.मेल: mumbai-patent@nic.in ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.</p>	<p>5</p> <p>पेटेंट कार्यालय कोलकाता (प्रधान कार्यालय), बौद्धिक संपदा भवन, सीपी-2, सेक्टर-V, साल्ट लेक सिटी, कोलकाता- 700 091, भारत. फोन: (91)(33) 2367 1943/44/45/46/87 फैक्स/Fax: (91)(33) 2367 1988 ई.मेल: kolkata-patent@nic.in ❖ भारत का अवशेष क्षेत्र</p>
<p>3</p> <p>पेटेंट कार्यालय दिल्ली, बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर - 14, द्वारका, नई दिल्ली - 110 075. फोन: (91)(11) 2808 1921-25 फैक्स: (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</p>	

वेबसाइट: <http://www.ipindia.nic.in>
www.patentoffice.nic.in

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

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

SPECIAL NOTICE

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

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

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.4/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(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**.

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

SPECIAL NOTICE

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

Early Publication:

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1006/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :04/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : BLAST FURNACE SLAG ALL-IN -AGGREGATE; SLAG DUST AND CEMENT CONCRETE OR MORTAR MADE FROM BLAST FURNACE SLAG ALL-IN AGGREGATE AND SLAG DUST.

(51) International classification

:B22C

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)DR. VIJAY PAL SINGH

Address of Applicant :ASSOCIATE PROFESSOR, CIVIL
ENGINEERING DEPARTMENT, NATIONAL INSTITUTE OF
TECHNOLOGY, KURUKSHETRA, HARYANA-136119 India

(72)Name of Inventor :

1)DR. VIJAY PAL SINGH

(57) Abstract :

The invention relates to well graded or all-in-aggregate prepared from crushing of blast furnace slag of steel industries; Slag dust produced after crushing of blast furnace slag; concrete composition comprising cement, all-in-aggregate, slag dust and mortar composition comprising cement, fine aggregate named as slag dust produced after crushing of blast furnace slag obtained from the iron manufacture industries. The replacement of blast furnace slag as coarse and fine aggregate increases strength by 10 to 15 percent.

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

(54) Title of the invention : SYSTEM AND METHOD FOR MANAGING USER CREDENTIALS

(51) International classification

:B23C

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SAURABH VERMAAddress of Applicant :OPPOSITE JUBLIEE TALKIES,
BUXIPUR, GORAKHPUR, UTTAR PRADESH - 273001,
INDIA

(72)Name of Inventor :

1)SAURABH VERMA

(57) Abstract :

Disclosed is a system and method for managing user credentials in a computer network. The system includes a cloud network comprising at least one vendor server and at least one user server, at least one credential card reader communicably coupled to the cloud network for exchanging the user credentials therewith, and at least one user credential card associated to a user. Both of the vendor server and the user server are configured for storing user credentials, the user credentials comprising identification details, acquisition details and preferential details of the users. The credential card stores the users identification details and is adapted to be received in the at least one card reader for enabling user credentials to be exchanged between the at least one credential card reader and the cloud network. The cloud network is adapted to enable the user to selectively control the extent of his user credentials exchanged.

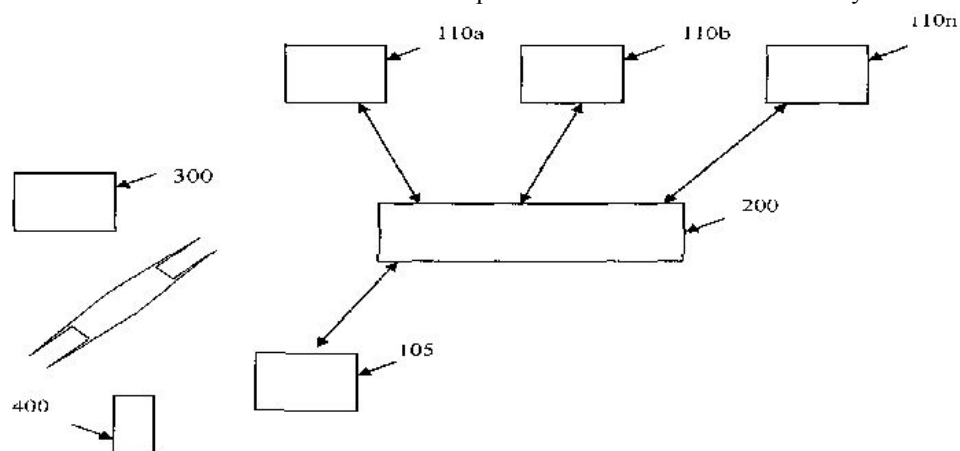


Fig. 1

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3084/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : THERMOCOUPLE ELECTRICITY GENERATOR USING SOLAR AND GEO THERMAL HEAT

(51) International classification	:B64D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARKANDA SANGEET,
(32) Priority Date	:NA	Address of Applicant :SANGEET MARKANDA HOUSE
(33) Name of priority country	:NA	NO. B-5, 3 MODEL TAPA (BARNALA)-148108 Punjab India
(86) International Application No	:NA	2)AGGARWAL R.K.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MARKANDA SANGEET
(61) Patent of Addition to Application Number	:NA	2)DR. R K AGGARWAL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Thermocouple Electricity Generator using solar and geo thermal heat is a device that covered by a transparent glass sheet (1), and then fixed to the aluminium body(4) using gasket gum(3) that filled with GHGs and screws (2). Two Tellurex thermocouples(5) are attached, one to the upper and second to lower aluminium body(8). Two aluminium heat sinks(6) are sandwich in the product. At the lower part two holes(7) are made so that excess of heated steam can leave the system. This is generated from geo-thermal spring. Wires for electric out put(9).

No. of Pages : 0 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1860/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ASSISTIVE HACK PATH SIMULATION THROUGH INTEGRATED OPEN SOURCE ENGINE

(51) International classification	:B23C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CRESTECH SOFTWARE SYSTEMS PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :CRESTECH SOFTWARE SYSTEMS
(33) Name of priority country	:NA	PVT. LTD. C 4/20 MODEL TOWN DELHI-110009 INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PANKAJ GOEL
(87) International Publication No	: NA	2)JITIN CHADHA
(61) Patent of Addition to Application Number	:NA	3)HAPPY HIMANSHU GUPTA
Filing Date	:NA	4)RAJAT SINGHAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an Integrated Security VAPT Platform built over open-source tools, wherein the platform performs an on-demand automated vulnerability assessment through a Security Governance Engine that performs assistive hack path simulation using open-source tools. More particularly, the present invention brings together multiple open-source tools in the application Security VAPT space, termed IntelliHack,. The present invention further provides a personalized, easy-to-understand, self-service portal used to create customized security scans, at different geographical locations and the user gets a nonnormalized black-box Security VAPT Report that complies to a industry security standard like OWASP.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.972/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : MINERAL CARTRIDGE COMPOSITION FOR REVERSE OSMOSIS BASED DOMESTIC WATER PURIFIERS

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GUPTA, SUBODH
(32) Priority Date	:NA	Address of Applicant :D-7, UDYOG NAGAR, ROHTAK
(33) Name of priority country	:NA	ROAD, NEW DELHI-110041 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GUPTA, SUBODH
(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 alkaline mineral cartridge, which can improve the quality of water purified by Reverse Osmosis (RO) based domestic water purifier by adding essential minerals required for human health, make acidic RO purified water alkaline and enhances the taste of RO purified water. The alkaline mineral cartridge consists of different types of media; pH enhancing ceramic balls, silver impregnated activated carbon granules, mineralizing media for replenishing essential minerals like calcium and magnesium, coral sand, etc.

NOTE:ABSTRACT OF THE INVENTION (to be given along with complete specification on separate page) An alkaline mineral cartridge, which can improve the quality of water purified by Reverse Osmosis (RO) based domestic water purifier by adding essential minerals required for human health, make acidic RO purified water alkaline and enhances the taste of RO purified water. The alkaline mineral cartridge consists of different types of media; pH enhancing ceramic balls, silver impregnated activated carbon granules, mineralizing media for replenishing essential minerals like calcium and magnesium, coral sand, etc.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3530/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : RETRACTABLE UNIVERSAL SEFETY SCALPEL

(51) International classification	:B23C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PARAMOUNT SURGIMED LTD.
(32) Priority Date	:NA	Address of Applicant :1, L.S.C, OKHLA INDUSTRIAL
(33) Name of priority country	:NA	AREA, OKHLA MAIN ROAD, PHASE - II, NEW DELHI -
(86) International Application No	:NA	110020, INDIA,
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KUMAR, ABHAY
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A retractable universal safety scalpel comprising a handle having a proximal section and a distal section with a longitudinally extending bore defining a housing; a blade carrier element having mid-section, proximal end and a distal end on which is secured a blade slidably mounted within said housing being capable of getting exposed from the end of distal section of said housing; first and second slider elements secured to said blade carrier element through a recess formed in the said handle extending from the forward end closer to the said opening to the rear end closer to the distal section of the said handle in a slidable arrangement with the said housing and extending externally in an axial direction of said housing to move said blade carrier moving the said blade from an un-exposed pre-use position to an exposed in-use position and to an after-use position capable of covering and locking permanently the said blade member completely within the said housing of the said handle; a plurality of locking means is provided in the said housing to enable locking of the blade in an un-exposed pre-use position to an exposed in-use position and to an after-use position capable of covering and locking permanently the said blade member wherein the said housing being provided with lock cooperating mechanisms at three positions thereon corresponding to pre-use, in-use and post-use disposal stages, said lock cooperating mechanisms cooperating with the respective locking means provided thereon.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3900/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : TECHNIQUE FOR THE PREPARATION OF RADON GAS RESISTANT MATERIAL FOR DWELLINGS

(51) International classification	:B23C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHAUHAN RISHI PAL
(32) Priority Date	:NA	Address of Applicant :DA-5, NATIONAL INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY CAMPUS, KURUKSHETRA-136119,
(86) International Application No	:NA	Uttaranchal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)CHAUHAN RISHI PAL
(61) Patent of Addition to Application Number	:NA	2)AMIT KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention is related to a technique that uses the rice husk as addition to ordinary Portland cement as a radon shielding building materials. The present invention describes a cost effective mitigation method for the prevention of radon in the indoor environment. The technique describes the use of different percentage of rice husk ash in cement either at industrial production stage or later at the time of construction of building for the usages in flooring as well as wall formation. However the former use is more significant as soil is the main source of radon escaping in indoor environment. The technique may be used to ensure that the escape of radon does not occur or minimized to a acceptable level with the use of rice husk ash, a major agro-waste available free of cost in India The compressive strength and porosity of the material are not affected by such substitution.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.971/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : ARCHITECTURE AND DESIGN OF A NOVEL TOOL FOR EFFECTIVE KNOWLEDGE REPRESENTATION

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)POONAM TANWAR
(32) Priority Date	:NA	Address of Applicant :FLAT NO. 904, TOWER-AIGBURTH
(33) Name of priority country	:NA	(BT-12) OMAXE HEIGHT SOCIETY, SECTOR-86,
(86) International Application No	:NA	FARIDABAD, HARYANA-121002, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)POONAM TANWAR
(61) Patent of Addition to Application Number	:NA	2)DR. T. V. PRASAD
Filing Date	:NA	3)DR. KAMLESH DUTTA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The tool be used as test bed for any type of knowledge (Declarative and Procedural).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1316/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :04/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : BINARY SYSTEM BASED ON-LINE MODEL FOR THE CONDITION MONITORING OF POWER TRANSFORMERS IN UTILITIES AND CONSUMERTMS SUBSTATIONS

(51) International classification	:H02J13/00, H02H7/04	(71) Name of Applicant : 1)Makarand Sudhakar Ballal Address of Applicant :Department of Electrical Engineering, Visvesvaraya National Institute of Technology, Nagpur Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	2)Hiralal Murlidhar Suryawanshi
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Makarand Sudhakar Ballal
(61) Patent of Addition to Application Number	:NA	2)Hiralal Murlidhar Suryawanshi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The size of transformers ranges from as low as a few kVA to over a few hundred of MVA, with replacement costs ranging from a few thousand to millions of rupees. Monitoring and classifying internal faults in transformers are still challenging problems for power system engineers because of the possibility of false tripping caused by the magnetizing effect of the inrush current. The purpose of present invention is to introduce methodology to know the status of the power transformer commissioned in transmission or distribution substation. The algorithm is designed base on the simple binary logic gates. The existing annunciation parameters like buchholz relay alarm, winding temperature, oil temperature, low oil level, as well as parts per million of water in transformer oil by hydrant meters applied as input parameters for the design of condition monitoring assessment algorithm. This Condition Monitoring System (CMS) avoids the unnecessary outages, prevent breakdowns thereby increases the availability of the equipment and cause considerable savings in the economy of utility. The main advantage of the model is that it can be applied for online monitoring to any types of transformer irrespective of its annunciation parameters. Following invention is described in detail with the help of Fig. 1 showing the algorithm developed for CMS, Fig. 2 showing module circuitry on availability of five /four/three input parameters, Fig. 3 showing logic gates in five input parameters circuitry, Fig. 4 showing logic gates in four input parameters circuitry, Fig. 5 showing logic gates in three input parameters circuitry, Fig. 6 showing oil temperature alarm circuitry, Fig. 7 showing winding temperature alarm circuitry, Fig. 8 showing low oil level alarm circuitry, Fig. 9 showing buchholz relay alarm circuitry, Fig. 10 showing hydrant meter (high PPM) alarm circuitry.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1343/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :09/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN AUTOMATIC BUTTERFLY GATE SYSTEM

(51) International classification	:E02B5/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GODBOLE PRASHANT PRABHAKAR
(32) Priority Date	:NA	Address of Applicant :2/B, BUTY PLOTS, DHARAMPETH,
(33) Name of priority country	:NA	NAGPUR - 440 010, MAHARASHTRA STATE, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GODBOLE PRASHANT PRABHAKAR
(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 :

As per prior known art, butterfly type valves for pipelines have been in use all over the world. The vertical axis Butterfly type gate for use on stop dams / anicuts patented by Mr. Prabhakar Damodar Godbole, has a vertical axis of rotation, which lies at center of the gate leaf. This gate needs to be opened or closed manually by means of a hydraulic jack, or some other operating device. Since the gate is operated manually, operating staff has to continuously monitor the upstream water level and incoming discharge, and decide the timing and extent of operation of the gate. The present invention proposes to overcome this problem by providing a self opening and closing type butterfly gate. The present invention consists of a rotating gate leaf comprising of upstream and downstream skin plates, vertical stiffeners, two or more end girders and counterweight inside the gate leaf which rotates about an eccentrically located slant axis and is connected to the gate supporting structure through two or more axles. When the upstream water level exceeds Full Reservoir Level, the gate automatically opens out to pass the discharge. When the upstream water level recedes below Full Reservoir Level, the gate automatically closes back. The first novelty of this invention is provision of eccentric axis of rotation from center line of gate leaf which enables the water pressure on gate to act as the actuating force to open the gate automatically. Second novelty of the invention is provision of inclined axis of rotation of gate which enables component of self weight of gate to act as another actuating force to close the gate automatically. The above two novelties obviate the need of electricity or mechanical effort for operation of gate. Third novelty of this invention is provision of counterweight placed inside the gate leaf near its edge, which reduces need for higher self weight for self closure of gate.

No. of Pages : 27 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1257/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :30/03/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : AGRICULTURAL PRODUCT ANALYSIS SYSTEM AND THE CONTENT DISTRIBUTION OF THE SAME

(51) International classification	:G06F17/60
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ECS Infotech Pvt. Ltd.
Address of Applicant :ECS House, 11, Garden View Opp.
Auda Garden, Near Merriment Party Plot Sindhu Bhavan Road,
Off S.G. Highway Bodakdev, Ahmedabad 380 054 Gujarat, India
(72)**Name of Inventor :**
1)Mandora Vijay Mansinh

(57) Abstract :

The present invention discloses a system for agricultural product analysis and content distribution of the same comprising a central data centre, mobile or static at least one testing centres and a data receiving device. An agricultural product includes seed, pesticide, insecticide, germicide and fertiliser. Testing centre conducts analysis on sample and communicates the resultant data to central data centre where the result is instantly compared with benchmark database by advanced software solution and detailed report is produced. Benchmark database is prepared by analyzing good quality of agricultural products from different origin, location, types and brands. This report is further communicated to testing centre, authenticated and privileged users and the data receiving devices. This system is useful in early identification of sub-standard or inferior quality agricultural product before cultivation or usage. Further system is able to communicate through audio-visual communication for expert assistance throughout the system.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/04/2013

(21) Application No.1386/MUM/2013 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : ADVANCED SKATEBOARD

(51) International classification	:A63C17/12	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SINGH ROHIT BHARATKUMAR
(32) Priority Date	:NA	Address of Applicant :C-501, SHREEJI COMPLEX, L.M.
(33) Name of priority country	:NA	ROAD, MANDPESHWAR, BORIVALI (W), MUMBAI-400092
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	2)MANE NAVNATH BHIMRAO
(87) International Publication No	: NA	3)PATEL HITARTH NARSI
(61) Patent of Addition to Application Number	:NA	4)KAPOOR RAHUL DILIP
Filing Date	:NA	5)DR. K.T.V. REDDY
(62) Divisional to Application Number	:NA	6)SHINDE TANMAY VINAY
Filing Date	:NA	(72)Name of Inventor :
		1)SINGH ROHIT BHARATKUMAR
		2)MANE NAVNATH BHIMRAO
		3)PATEL HITARTH NARSI
		4)KAPOOR RAHUL DILIP
		5)DR. K.T.V. REDDY
		6)SHINDE TANMAY VINAY

(57) Abstract :

Travelling around the universities or campus like IITs, Kalina University, BARC, etc could be stressful and tiring for many students and Scientists. In order to get to class, students must cross long distances inside campus in a short period of time. Some students use bicycles or skateboards to get to class on time. Using bicycles is a very good idea, but the only problem is that they are too big to bring them inside the class or it takes more time to lock them outside also it requires mechanical energy. In the other hand skateboard are very portable but you have to be paddling with your foot constantly. Skateboard is generally used by professionally trained person who is well in balancing his weight to turn in proper direction with appropriate angle. Thus skateboard usage is limited to trained person with some age factor. Moreover to learn riding a skateboard is also a difficult task and time consuming. Thus it was necessary for us to make skateboard to be more compatible with people from all age group who are not trained to use skateboard. In order to do this some modification were necessary to be done in present skateboard. This gave rise to our innovation called Advanced Skateboard. An Electric powered skateboard will resolve the issues of transporting students from one point to another in minimum time and to be able to bring them to class because of its portability. The design of a skate board is developed by considering an age factor; we mainly focused on some key factors because of which some people unable to ride it. The factors are: Stability, balancing, turning problem (weight balancing problem), tyre types etc. thus there is no age limit to ride this skateboard.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1387/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : DHRISHTI: A DISPLAY FOR BLIND PEOPLE

(51) International classification	:G06F17/28, G06F3/01	(71)Name of Applicant : 1)SINGH ROHIT BHARATKUMAR Address of Applicant :C-501, SHREEJI COMPLEX, L.M. ROAD, MANDPESHWAR, BORIVALI (W), MUMBAI-400092 Maharashtra India
(31) Priority Document No	:NA	2)MANE NAVNATH BHIMRAO
(32) Priority Date	:NA	3)PATEL HITARTH NARSI
(33) Name of priority country	:NA	4)KAPOOR RAHUL DILIP
(86) International Application No	:NA	5)DR. K.T.V. REDDY
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SINGH ROHIT BHARATKUMAR
(61) Patent of Addition to Application Number	:NA	2)MANE NAVNATH BHIMRAO
Filing Date	:NA	3)PATEL HITARTH NARSI
(62) Divisional to Application Number	:NA	4)KAPOOR RAHUL DILIP
Filing Date	:NA	5)DR. K.T.V. REDDY

(57) Abstract :

As for common human beings who can see have various type of displays such as LCD, LED boards etc but for people who are visually impaired have no such display was invented since now. Dhrishti is specially designed to provide an eye for such visually impaired people. Moreover this display board will display all the data in form of Braille language which blind people are familiar with and they use it for day to day communication. So the advantage of this display in Braille is that they dont need to study any new language or concept to use Dhrishti. This display can be used with any data receiving or data transmitting device or where there is need to read any data by purblind people. Dhrishti converts the data in Braille language and with the help of Solenoids it makes it very easy to read the data available on display for visually impaired persons by using their touch of sense. This display is made up of solenoids which is an electromechanical device. It produces mechanical displacement when electric signal is applied to it. We are using this mechanical displacement to display characters on screen of Dhrishti.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1395/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN ENGINE THAT USES HYDROGEN AS FUEL

(51) International classification	:F02B43/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARDWAJ Rahul S.D
(32) Priority Date	:NA	Address of Applicant :S/O Mr. D.L. Bhardwaj, Village Borsi,
(33) Name of priority country	:NA	P.O. Kosa, District: Janjgir Chattisgarh India
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)BHARDWAJ Rahul S.D
(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 engine that uses hydrogen as fuel includes a piston. The piston (100) includes a piston body defining a fuel receiving bore (104), wherein hydrogen is received through the fuel receiving bore (104). Further, the piston (100) includes a fuel jacket (108) defining a fuel receiving space (116) configured to receive hydrogen through the fuel receiving bore (104). The fuel jacket is configured to expose the hydrogen received in the fuel receiving space (116) for combustion, when the pressure over the fuel jacket (108) exceeds a predefined limit.

No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1561/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : A MODULAR AND SCALABLE BRAKE ACTUATING SYSTEM FOR TRAINS

(51) International classification	:B60T7/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)M/S. ROTEX AUTOMATION LIMITED
Address of Applicant :987/11, GIDC, MAKARPURA,
VADODARA - 390010 GUJARAT, INDIA
(72)**Name of Inventor :**
1)MR. RAJESH SHAH

(57) Abstract :

A Modular and Scalable Brake Actuating System for trains, comprising of one or more modules which are actuated by electrical or non-electrical signal from transducers. The module actuates main valve and brake is applied. Individual modules as well as entire system can be bypassed when malfunctioning.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1385/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : SANCHARAK: A CELL-PHONE FOR BLIND PEOPLE

(51) International classification

:G09B21/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SINGH ROHIT BHARATKUMAR

Address of Applicant :C-501, SHREEJI COMPLEX, L.M.
ROAD, MANDPESHWAR, BORIVALI (W), MUMBAI-400092
Maharashtra India

2)MANE NAVNATH BHIMRAO

3)PATEL HITARTH NARSI

4)KAPOOR RAHUL DILIP

5)DR. K.T.V. REDDY

(72)Name of Inventor :

1)SINGH ROHIT BHARATKUMAR

2)MANE NAVNATH BHIMRAO

3)PATEL HITARTH NARSI

4)KAPOOR RAHUL DILIP

5)DR. K.T.V. REDDY

(57) Abstract :

The Mobile phones today have changed human lives in many ways. There is great need to extend various features provided by cell phones for blind persons. We strongly believe that these benefits will contribute at large in increasing exponentially work-efficiency. To achieve this challenging task we, in this project, we propose novel mobile cell phone design which shall act as essential handled device for blinds that can be used for managing call and SMS effectively. Proposed cell phone technology developed after rigorous consultation with large number of blind organizations and is demonstrated with use of buzzer, QWERTY keyboard, ICE calling, Battery level Indication, Network Indication, etc. features with Braille language support.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1464/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :21/04/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : MODULAR PADDLE-CART WITH STEERING MECHANISM

(51) International classification	:B62B3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SATISH P. LOKHANDE
(32) Priority Date	:NA	Address of Applicant :C/O Shri. B. S. Ganu, Plot No. 290,
(33) Name of priority country	:NA	Near Ram-Mandir, Lokmanya Nagar, Hingna Road, Nagpur-16
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	2)YOGESH L. YENARKAR
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SATISH P. LOKHANDE
Filing Date	:NA	2)YOGESH L. YENARKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Paddle hand cart is just an approach to reduce the labor and pain of the handcart userTMs society, by providing paddling mechanism, sitting arrangement, turning mechanism, modular arrangements for material boxes and roof. The new design shall ease the efforts of hand-cart owners and improve their life in general. Following invention is described in detail with the help of Figure 1 of sheet 1 shows full View of Paddle-Cart, Figure 2 of sheet 1 shows Back View of Paddle-Cart, Figure 3 of sheet 2 shows Linkages of Steering Mechanism, Figure 4 of sheet 2 shows Braking Mechanism of Paddle-Cart, Figure 5 of sheet 3 shows Mechanism of Foldable-Fifth Wheel, Figure 6 of sheet 3 shows Mechanism of Foldable Fifth Wheel & Paddling Arrangement, Figure 7 of sheet 4 shows Fifth-Wheel in Folded Position, Figure 8 of sheet 4 shows Closing Roof-Cover View.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.451/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :15/02/2013

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN AUTOMATED INDEXING OF VISUAL DATA

(51) International classification	:G11B27/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)KPOINT TECHNOLOGIES
Address of Applicant :8TH FLOOR, AMAR ARMA
GENESIS,BANER ROAD,BANER PUNE 411045,
MAHARASTRA, INDIA
(72)**Name of Inventor :**
1)ATUL NARKHEDE
2)AVIJIT SEN MAJUMDER

(57) Abstract :

A method for automatic indexing of a visual data is provided. The method includes splitting the visual data into two distinct streams of the data; indexing each of the streams based a parameter; establishing a correlation between each of the indexed streams; and displaying a correlated indexed integrated stream. A system for automatic indexing of visual data is also provided.

No. of Pages : 23 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.3136/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :04/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NUTRACEUTICAL FORMULATION OF SCOPOLETIN AND UMBELLIFERONE AND METHOD THEREOF

(51) International classification

:B64D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)ANUJ MALIK

Address of Applicant :VILLAGE-HASANPUR, POST
OFFICE-LISARH DISTRICT-PRABUDHHA NAGAR 247775
Uttar Pradesh India

2)VIPIN SAINI

3)SUMEET GUPTA

(72)Name of Inventor :

1)ANUJ MALIK

2)VIPIN SAINI

3)SUMEET GUPTA

(57) Abstract :

This invention relates to Nutraceutical formulation of Scopoletin and Umbelliferone. Scopoletin and umbelliferone are two chemical constituents of Aegle Marmelos that are of coumarin class and active against various diseases associated with oxidants that act as key, for the destroying normal body constituents and essential heredity material.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3137/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :04/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A FLAT LONGITUDINAL RIB EGR COOLER TO IMPROVE ENGINE ASSEMBLY

(51) International classification

:B64D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)ESCORTS LIMITED

Address of Applicant :AGRI MACHINERY GROUP, 18/4,
MATHURA ROAD, FARIDABAD- 121 007 Haryana India

(72)Name of Inventor :

1)VIKAS DHIMAN

(57) Abstract :

Tnis invention relates to a Flat Longitudinal rib EGR cooler to Improve Engine Assembly.

No. of Pages : 0 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3148/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : PR□CESSES FOR SYNTHESIS OF 2 3-DISUBSTITUTED-4- THIAZOLIDINONE□

(51) International classification	:C07C	(71) Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF PHARMACEUTICAL
(32) Priority Date	:NA	EDUCATION AND RESEARCH (NIPER)
(33) Name of priority country	:NA	Address of Applicant :Sector-67 S.A.S Nagar Mohali
(86) International Application No	:NA	Punjab-160062 India
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Asit Kumar Chakraborti
(61) Patent of Addition to Application Number	:NA	2)Dinesh Kumar
Filing Date	:NA	3)Mukesh Sonawane
(62) Divisional to Application Number	:NA	4)Brahman Pujala
Filing Date	:NA	

(57) Abstract :

The present invention provides a process for the preparation of 2 3-disubstituted-4-thiazolidinone with formula IV Formula IV by reacting aldehyde or ketone of formula I Formula I with an amine of formula II R□NH₂ Formula II and thiocarboxylic acid of formula III Formula III in the presence of a solvent and catalyst at reflux conditions the catalyst is selected from a group comprising metal Lewis acid or solid supported protic acid.

No. of Pages : 31 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3154/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL FORMULATION OF QUERCETIN FOR THE TREATMENT OF ALZHEIMER'S DISEASE

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR-125, NOIDA-201303, UP, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DEEPSHIKHA PANDE KATARE
(87) International Publication No	:NA	2)KUMUD BALA
(61) Patent of Addition to Application Number	:NA	3)HARSHA KHARKWAL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel formulation of drug quercetin by using natural polymer (milk proteins/polysaccharides) nanoparticles that target the brain for curing Alzheimer's disease. The invention comprises quercetin bound to nanoparticles coated with polysorbate 80 that is able to cross the blood brain barrier effectively and prevents the expression of amyloid beta-42 (A42) immunoreactivity in the hippocampus region of brain.

No. of Pages : 23 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3160/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NEEDLE SAFETY DEVICE

(51) International classification :A61M
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :674/DEL/2008
Filed on :17/03/2008

(71)Name of Applicant :

1)POLY MEDICURE LIMITED

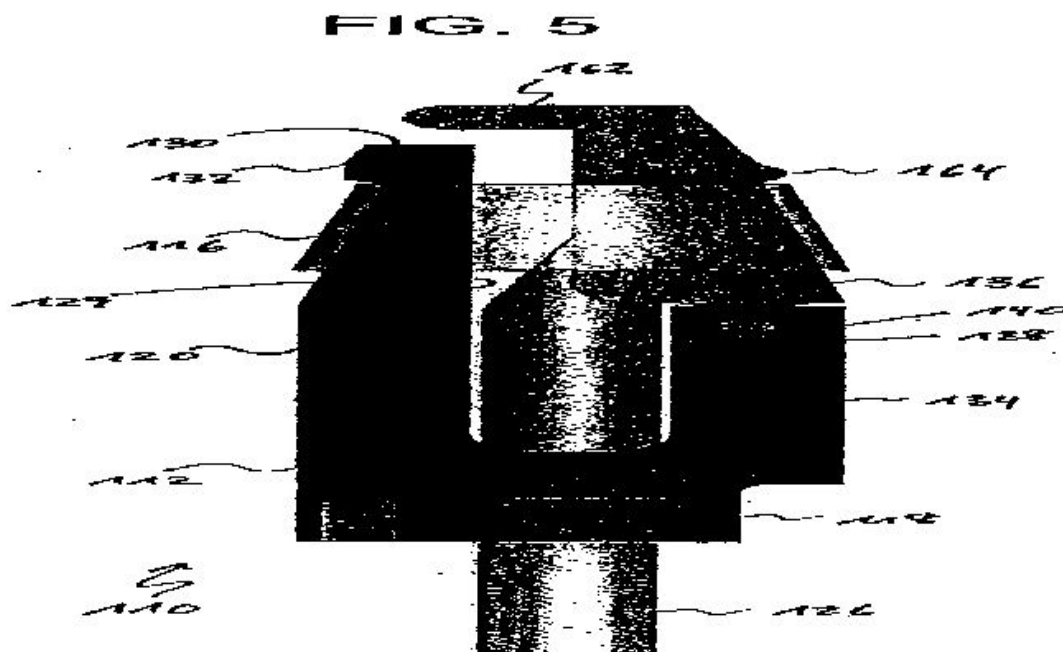
Address of Applicant :PLOT NO. 105, SECTOR 59, HSIIDC
INDUSTRIAL AREA, FARIDABAD, 121004, Haryana India

(72)Name of Inventor :

1)BAID, RISHI

(57) Abstract :

The invention relates to a needle safety device (110) for a medical device, the needle safety device (110) comprising: a base portion (118) having a bore (24) extending in an axial direction (22) there through for receiving a needle (126); and first and second opposing jaws (120, 134, 136) extending from the base portion generally in the axial direction (22), wherein at least a portion (136) of the second jaw is formed from a separate structural member connected to the base portion (118) and wherein said portion of the second jaw is deflectable with respect to the first jaw (120) in order to allow a needle (126) received in the bore (24) of the base portion (118) to extend all the way through the needle safety device (110), characterized in that the second jaw comprises first and second sections (134, 136) that can be moved relative to each other, wherein the second section (136) is connected to the first section (134) by means of a hinge. (Fig. 5)



No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3161/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NEEDLE SAFETY DEVICE

(51) International classification	:B23B
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:674/DEL/2008
Filed on	:17/03/2008

(71)Name of Applicant :

1)POLY MEDICURE LIMITED

Address of Applicant :PLOT NO. 105, SECTOR 59, HSIIDC
INDUSTRIAL AREA, FARIDABAD, HARYANA - 121004,
INDIA

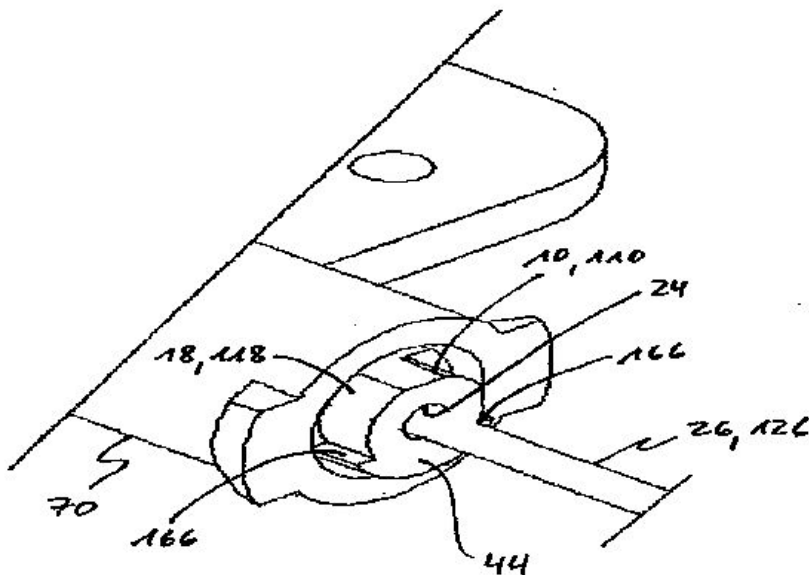
(72)Name of Inventor :

1)BAID, RISHI

(57) Abstract :

The invention relates to an intravenous catheter apparatus (68) comprising: a housing (70) defining a chamber (74); a needle (26; 126) received in the chamber (74); a needle safety device (10; 110) slidably arranged on the needle (26; 126) and an at least part annular locking depression (80) formed at an inner surface of the housing (70) for receiving a locking shoulder or protrusion (64; 164) of the needle safety device (10; 110). (Fig. 7)

FIG. 7



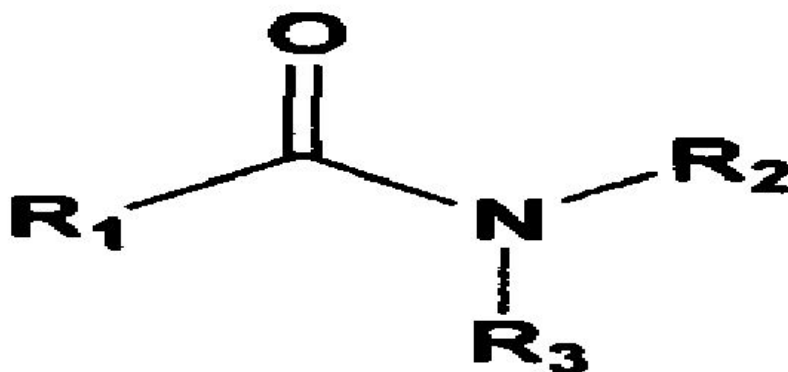
No. of Pages : 29 No. of Claims : 15

(54) Title of the invention : PROCESS FOR PREPARATION OF N, N-D1 SUBSTITUTED CARBOXAMIDES

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION
(32) Priority Date	:NA	Address of Applicant :MINISTRY OF DEFENCE, GOVT. OF INDIA, DIRECTORATE OF ER & IPR, IPR GROUP, ROOM NO. 348, 'B' WING DRDO BHAWAN, RAJAJI MARG, NEW DELHI 110 015, INDIA
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)AMBATI NARASIMHA RAO
(62) Divisional to Application Number	:NA	2)KUMARAN GANESAN
Filing Date	:NA	3)RAJAGOPALAN VIJAYARAGHAVAN

(57) Abstract :

The present disclosure relates to a single pot process for preparation of a N,N-di substituted carboxamide compounds of formula (I), said process comprising: reacting a carboxylic acid with a di-substituted carbamoyl chloride in presence of an organic tertiary base to obtain the N,N-di substituted carboxamide compounds of formula (I). The process of the present disclosure involves a simple step, and it is energy and time saving process for preparation of N, N-di substituted carboxamides.



(I)

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3155/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL HERBAL FORMULATION FOR TREATMENT OF ECZEMA

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR 125 NOIDA-201303, UP, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PALPU PUSHPANGADAN
(87) International Publication No	:NA	2)HARSHA KHARKWAL
(61) Patent of Addition to Application Number	:NA	3)VARUGHESE GEORGE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an herbal composition for topical administration to the skin for treating and/or preventing a dermatological condition such as eczema, atopic eczema, non-atopic eczema, seborrheic eczema. The composition comprises fruit coat of *Juglans regia* L.; tubers of *Stephania glabra* (Roxb.) Miers; leaves of *Chloroxylon swietenia* DC (Rutaceae) and aerial parts of *Holoptelea integrifolia* (Roxb.) with a preferable pH of 4 to 5. The present invention also provides methods of repairing a disease or environmentally damaged skin or epidermal barrier, protecting the skin or epidermal barrier against damage or degradation by disease or environmental factors, compounds and compositions for use in such methods, and the use of such compounds and compositions for the manufacture of medicaments for use in the practice of such methods.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3158/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SPHINCTEROTOME AND THE METHOD OF USING THEREOF

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAHUL DAGA,
(32) Priority Date	:NA	Address of Applicant :13/4, NEHRU ENCLAVE, EAST,
(33) Name of priority country	:NA	NEW DELHI- 110019. India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAHUL DAGA,
(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 sphincterotome and the method of using thereof, used for the cannulation of branched body passageway, for directing an elongate member into a selected body passageway.

No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3166/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : RAT: RAPID AUTOMATED TRANSIT SYSTEM

(51) International classification	:A61N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANISH KATARA
(32) Priority Date	:NA	Address of Applicant :6/227 A, VIPUL KHAND GOMTI
(33) Name of priority country	:NA	NAGAR, LUCKNOW 226010 Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MANISH KATARA
(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 :

Rapid Transportation system gives total and effective solution to ever increasing car traffic on roads. This system of transportation will work parallel to our regular road system. An inventive way of travel that is easy to implement and operate. This system is an alternative way to transit from one place to another using your own passenger car. The system involves a combination of closed channels ways, elevated tracks under the channels and beams fitted under our regular. The tracks will be fitted with magnetic levitation and magnetic bearings to enable smooth movement of cars and the beams fitted at the bottom of cars will render the process. Our regular cars will be used to travel hence making it easy for the travelers to continue its journey after exiting from RAT and reach its destinations via regular roads. This system will help in reducing traffic burden off our roads. In past there have been many rapid transit systems but all are related to using public transportation systems. It is RAT that uses our own vehicles that gives an edge over other rapid transit models.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3170/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : System and Method for Alerting Expiration of Medicine

(51) International classification

:A61B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Vinod Sharma

Address of Applicant :F/o Shweta Sharma of 455 Guru
Govind Singh Avenue Jalandhar Punjab 144 009 India.

2)Barjinder Singh

(72)Name of Inventor :

1)Shweta Sharma

2)Jaskiran Goraya

(57) Abstract :

To be follow

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3171/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : Hoe and Spade

(51) International classification

:B23B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Ghulam Rasool Wani

Address of Applicant :F/o Refaz Ahmad Wani and Ishfaq
Ahmad Wani of Wandevalgam (Soyan) Post: Kokernag Dist:
Anantnag Jammu & Kashmir 192 202 India

(72)Name of Inventor :

1)Refaz Ahmad Wani

2)Ishfaq Ahmad Wani

(57) Abstract :

to be follow

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3175/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR THE SEPARATION OF SEEDS FROM FRUIT PULP/SLURRY/POMACE

(51) International classification	:H02J	(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 - 110 001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)SHASHI BHUSHAN
(61) Patent of Addition to Application Number	:NA	2)SAKSHI GUPTA
Filing Date	:NA	3)GARIKAPATI DYVA KIRAN BABU
(62) Divisional to Application Number	:NA	4)MOHIT SHARMA
Filing Date	:NA	5)PARAMVIR SINGH AHUJA

(57) Abstract :

The invention pertains to a method and apparatus for separation of seeds from fruit pulp/skin/twigs, in general, coming out from juice producing industry as a waste and in particular from apple pomace. Method involves addition of apple pomace and water in a particular ratio to a vessel, mixing with agitator at optimum rpm for sufficient period, allowed to stand followed by secondary agitation. Based on difference in bulk density, seeds were separated from pomace. The seedless pomace withdrawn from horizontal or inclined outlets and seeds collected in seed collection chamber were removed through bottom valve. The seed trap provided at inclined outlet help in their retention in vessel. The seedless pomace is recovered by filtration from water. This spent water can be recycled for few times and then purged. Easy to handle separation device is energy efficient, compactly designed and can be used to separate the seeds efficiently up to 97%.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3177/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : REMOTE MONITORING SYSTEM FOR GLOBAL ACCESS OF CONSTRUCTION SITES

(51) International classification	:F03B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SANJEEV NANGIA
(32) Priority Date	:NA	Address of Applicant :S-441, GREATER KAILASH - II,
(33) Name of priority country	:NA	NEW DELHI, INDIA
(86) International Application No	:NA	2)KEVIN BHATIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)SANJEEV NANGIA
(61) Patent of Addition to Application Number	:NA	2)KEVIN BHATIA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates generally to automated remote monitoring of construction projects. More particularly, the present invention relates to systems and methods for providing global access to high-resolution images of construction projects, where the images are archived through the life of the project and can be accessed through secure connections to the Internet.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3178/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : ANTI MOLESTATION DEVICE

(51) International classification	:F03B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SATISH CHOPRA F/O MANU CHOPRA (minor)
(32) Priority Date	:NA	Address of Applicant :1463, RANI BAGH, PRITAMPURA,
(33) Name of priority country	:NA	DELHI – 110034, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MANU CHOPRA (minor)
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to an anti molestation device. The device is useful to individual's injury, for example, molestation of women.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3179/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : PIPE CLEANING DEVICE

(51) International classification

:F03B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)ASHOK KUMAR F/O BHANWAR MALVIYA (minor)

Address of Applicant :BEHIND CHAMUNDA MATA

TEMPLE, PINDWADA, DIST: SIROHI, RAJASTHAN -
307022, INDIA

(72)Name of Inventor :

1)BHANWAR MALVIYA (minor)

(57) Abstract :

This invention relates to a pipe cleaning device. Particularly, this invention relates to a scrapper for use in removing the detritus and sedimentary matter that accumulates in the invert of sewers of various diameters.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3172/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention ☐ System for Monitoring and Operating UserTMs Activities and Electronic Appliances

(51) International classification

:G09D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application ☐ o

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) **Name of Applicant :**

1)Gianinder Dutta

Address of Applicant :F/o Chhavi Dutta of H. No. 520 Guru
Gobind Singh Avenue Near Trinity College Jalandhar Punjab
144 009 India

(72) **Name of Inventor :**

1)Chhavi Dutta

(57) Abstract :

To be follow

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3173/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A NOVEL BIO POLYMER FROM THE FRUIT PULP OF OLEA EUROPAEA AND ITS PHARMACEUTICAL APPLICATION

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)N.V. SATHEESH MADHAV
(32) Priority Date	:NA	Address of Applicant :DIT - FACULTY OF PHARMACY,
(33) Name of priority country	:NA	DEHRADUN Uttaranchal India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)N. V. SATHEESH MADHAV
(87) International Publication No	:NA	2)TUSHAR SINGH NEGI
(61) Patent of Addition to Application Number	:NA	3)ABHIJEET OJHA
Filing Date	:NA	4)HARISH CHANDRA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention explores a novelistic method for the isolation of bio material from the fruit pulp of Olea europaea by a simplified and economical process. The fruit pulp contains following functional groups aldehyde, ketone, alcohol, phenol, carboxylic acid, ester, aromatic rings, alkynes, alkanes groups with the various spectral data. The biopolymer was subjected for screening its in built properties like filmability, emulsifiability and retardability by formulating dosage forms. An novel bio liposomes loaded with aceclofenac was formulated by using bio polymer as bio retardant and co processing agents for dermal drug delivery in order to release the drug for a controlled release manner with a predicted t50% 21 hrs . The conclusion was drawn that biopolymer possess a novelistic in built properties like filmability, emulsifiability and retardability. Hence the same can serve as a bio excipient in formulation of various drug delivery system.

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

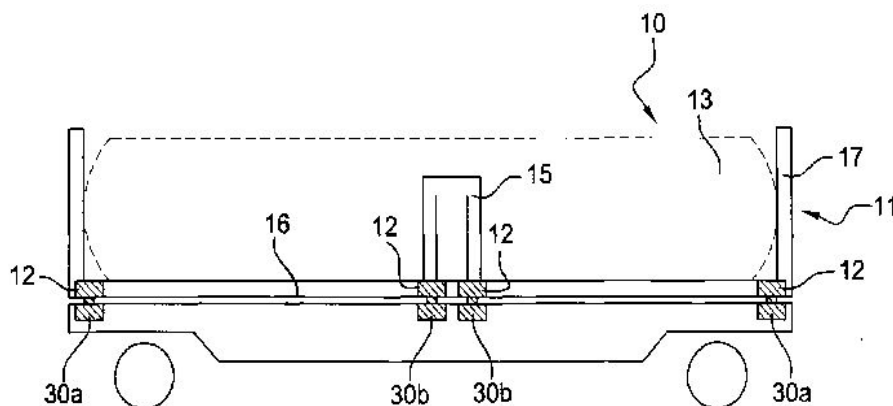
(54) Title of the invention : FORTY-FOOT-LONG INTERMODAL TRANSPORT UNIT

(51) International classification :C07C
 (31) Priority Document No :1160175
 (32) Priority Date :08/11/2011
 (33) Name of priority country :France
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No :NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)ETABLISSEMENTS MAGYAR
 Address of Applicant :13 AVENUE ALBERT 1ER, 21000
 DIJON, FRANCE
 (72)Name of Inventor :
1)DANIEL MAGYAR
2)LAURENT MAGYAR

(57) Abstract :

The invention relates to an intermodal transport unit (10) with a length of forty feet comprising a metal base (11) presenting: supporting elements forming the peripheral supports of said transport unit (10); corner fittings (12) situated at the level of the lower angles of said metal base (11) and able to cooperate with the fixation means (30) adapted to form an integral connection of said transport unit (10) on a transport means (20). The intermodal transport unit (10) also comprises at least one intermediate supporting element (15) positioned between said peripheral supports of said transport unit (10), said at least one intermediate supporting element (15) comprising corner fittings (12) able to cooperate with the fixation means (30) adapted to form an integral connection of said transport unit on said transport means (20). Figure 3

**Fig. 3**

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3168/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : GLIMEPRIDE BIO-NANOPARTICLES USING A NOVEL BIORETANDANT FROM VIGNA MUNGO

(51) International classification	:A01J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)N.V. SATHEESH MADHAV
(32) Priority Date	:NA	Address of Applicant :DIT-FACULTY OF PHARMACY,
(33) Name of priority country	:NA	MUSSORIE DIVERSION ROAD, VILL. MAKKAWALA
(86) International Application No	:NA	DEHRADUN 248009 Uttaranchal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)MR. HARISH CHANDRA
(61) Patent of Addition to Application Number	:NA	2)ANJANA RAWAT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention explores a novelistic method for isolating bio-polymeric material as a bio-retardant from Vigna mungo by simplified economical process. The biomaterial shows significant functional groups which favors for mucoadhesion. The Glimepride bio-nanoparticles were prepared by using biomaterial as bioretardant and other co-processing agents like PVA as secondary emulsifying agent and methylene chloride as an organic solvent, in order to achieve controlled released formulation of the drug for a period of 96hrs. The method adapted for formulating nanoparticles resulted in a size range of 10-100nm. Apart from bioretadability of bio-polymer it also posses significant inbuilt property like emulsibility, filmability and bindability. The same was confirmed by systemic screening using model active pharmaceutical ingredients. The result concluded that the isolated bio-polymeric material is bio-safe having promising inbuilt property for formulating suitable dosage form loaded with different active pharmaceutical ingredients. KEY WORDS: Vigna mungo, Glimepride, bio-nanoparticles, retardability

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3169/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN IMPROVED METHOD OF RESAZURIN REDUCTION TEST (RRT) TO PREDICT SPERM FERTILIZING POTENTIAL

(51) International classification

:A01J

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)INDIAN COUNCIL OF MEDICAL RESEARCH

Address of Applicant :V. Ramalingaswami Bhawan Ansari

Nagar New Delhi 110 029 India

(72)Name of Inventor :

1)Kudumula Venkata Rami Reddy

(57) Abstract :

The present invention relates to an improved process for sperm function test. The process of the present invention overcomes various lacunae of the existing resazurin reduction test for sperm functionality in which false positive results have been a common occurrence.

No. of Pages : 23 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3180/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A STROLLER WITH REMOVABLE CARRIER

(51) International classification	:F03B	(71) Name of Applicant :
(31) Priority Document No	:NA	1)MOHAN PAL SINGH VERMA F/O HIMANSHU
(32) Priority Date	:NA	VERMA (minor)
(33) Name of priority country	:NA	Address of Applicant :FIRST FLOOR, F-57, SECTOR, 51,
(86) International Application No	:NA	NOIDA, DIST: GAUTAM BUDHA NAGAR, 201301, UTTAR
Filing Date	:NA	PARADESH - INDIA
(87) International Publication No	:NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)HIMANSHU VERMA (minor)
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a stroller with removable carrier. Particularly, this invention relates to a stroller system with a carrier attached to it to carry various items.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3181/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AUTOMATIC DIAGNOSIS SYSTEM

(51) International classification	:F03B	(71) Name of Applicant :
(31) Priority Document No	:NA	1)SIVADAS K R F/O AKSHAY SHIVADAS (minor)
(32) Priority Date	:NA	Address of Applicant :210-B, GAUR GANGA
(33) Name of priority country	:NA	APARTMENTS, BEHIND VAISHALI METRO STATION,
(86) International Application No	:NA	SECTOR - 4, VAISHALI, GHAZIABAD - 201010, Uttar
Filing Date	:NA	Pradesh India
(87) International Publication No	:NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)AKSHAY SHIVADAS (minor)
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to an automatic diagnosis system. Particularly, this invention relates to a machine which can diagnose the diseases within minimum possible time and suggest the necessary treatments to cure a patient. Also the machine can dispense the basic medicines based on diagnosis.

No. of Pages : 4 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1207/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : A PROCESS FOR SIMULTANEOUS ENERGY AND NUTRIENT RECOVERY FROM BIOMASS CROPS.

(51) International classification	:C12M	(71)Name of Applicant :
(31) Priority Document No	1/00	1)KIRLOSKAR INTEGRATED TACHNOLOGIES LIMITED
(32) Priority Date	:NA	Address of Applicant :13/A, KARVE ROAD, KOTHRUD, PUNE-411038, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	2)GANGOTREE ECO TECHNOLOGIES PRIVATE LIMITED
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MATE NITANT VISHNU
(87) International Publication No	: NA	2)GOYAL DEVENDRA JAYANT
(61) Patent of Addition to Application Number	:NA	3)JOSHI ARVIND PURUSHOTTAM
Filing Date	:NA	4)GONDHALEKAR SANTOSH RAGHUNATH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention encompasses a process of utilization of energy from biomass/energy crops. More particularly it relates to additional recovery of energy and nutrients from the digestate obtained after the process of biomethanation.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1272/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :19/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : POLYMER DOPED SCALE INHIBITOR FOR OIL FIELD PRODUCED BRINES IN CALCIUM STRESSED ENVIRONMENTS

(51) International classification	:C08F2/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)OIL AND NATURAL GAS CORPORATION LTD.
Address of Applicant :IOGPT, PHASE -II, PANVEL -410221,
NAVI MUMBAI, MAHARASHTRA, INDIA.
(72)**Name of Inventor :**
1)ESHWAR RAO

(57) Abstract :

The present invention relates to an innovated scale inhibitor formulation, consisting of Polyamino - polyethoxylate - methyl - phosphonate doped with Terpolymer in varied ratios, impart required inhibition efficiency. The optimum concentration of Polyphosphonate (50% active content) and Terpolymer (50% Active content) at 71 Degree Celsius as per NACE standard TM037401 observed to be 2ppm and 6ppm respectively. This formulation is specifically suited for calcium and bi-carbonate stressed conditions and can render over 90% Inhibition efficiency.

No. of Pages : 18 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1288/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :20/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR THE CONVERSION OF (2R)-6-FLUORO-2-[(2S)-OXIRAN-2-YL]-3,4-DIHYDRO-2H-CHROMENE TO (2R)-6-FLUORO-2-[(2R)-OXIRAN-2-YL]-3, 4-DIHYDRO-2H-CHROMENE

(51) International classification	:C07D407/04; C07D311/58
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CADILA PHARMACEUTICALS LTD

Address of Applicant :CADILA PHARMACEUTICALS LTD., CADILA CORPORATE CAMPUS, SARKHEJ - DHOLKA ROAD, BHAT, AHMEDABAD - 382210, GUJARAT, INDIA

(72)Name of Inventor :

1)KHAMAR BAKULESH MAFATLAL

2)KAGATHARA NIRAV KESHVLAL

3)MUGALE BALAJI

4)KORIKANA SIVAPRASAD

5)BAPAT UDAY RAJARAM

6)MODI INDRAVADAN AMBALAL

(57) Abstract :

The present invention relates to a novel process for the conversion of (2R)-6-fluoro-2-[(2S)-oxiran-2-yl]-3,4-dihydro-2H-chromene (formula III-A) to (2R)-6-fluoro-2-[(2R)-oxiran-2-yl]-3,4-dihydro-2H-chromene (formula III-B). The compound of formula III-A and formula III-B are key intermediates for preparing Nebivolol.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1289/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :20/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : A PROCESS FOR RECOVERING ORGANIC CHEMICALS FROM CHLORINATED ORGANIC EFFLUENT EMANATING FROM CHLOROPRENE MANUFACTURING PROCESS

(51) International classification	:B01D53/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PIDILITE INDUSTRIES LTD.,
(32) Priority Date	:NA	Address of Applicant :REGENT CHAMBERS, NARIMAN
(33) Name of priority country	:NA	POINT. MUMBAI - 400021, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MADHUKAR BALVANTRAY PAREKH
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to the present invention , Organic chemicals (Chloroprene, 1 -Chloro butadiene, 3,4 Dichlorobutene-1 and Vinyl cyclohexene, Butoxy ethanol) which are present in chlorinated organic effluent coming out of chloroprene manufacturing can be recovered individually by using series of distillation columns the columns having a number of theoretical stages in various e ranges with random dumped packings and various reflux ratios

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1366/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :29/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SYSTEM FOR TREATING FLUIDS

(51) International classification

:C02F
1/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SENTHILNATHAN PERICHIYAPPAN

Address of Applicant :2529 RAGLAN COURT,
MISSISSAUGA, ONTARIO, CANADA-L5M 5L5 Canada

2)MERRITT DEAN A.

(72)Name of Inventor :

1)SENTHILNATHAN PERICHIYAPPAN

2)MERRITT DEAN A.

(57) Abstract :

The present invention envisages a system 100 for treating fluids, particularly fluids exhibiting a wide variation in flow and loading conditions. The system 100 comprises at least two water purifying devices 30 which are selectively arranged in series or parallel, depending upon the flow and loading conditions, by means of ingress valve 124 and egress valves 140 & 144. The ingress valve 124 and the egress valves 140 & 144 are operatively connected to monitoring means 120, 130, & 136 for monitoring the fluid quality and automation means 122, 132, & 134 for generating an inflow or an outflow signal based on the fluid quality; the signals are adapted to automatically control the ingress/egress valves to manipulate the fluid flow and thus the arrangement of the water purifying devices 30, thereby ensuring consistent and optimum treatment even during varying Load conditions and saving time and energy.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1214/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : IN VITRO DIFFUSION CELL FOR TOPICAL FORMULATIONS

(51) International classification	:A61K31/19; A61K31/444	(71)Name of Applicant : 1)PRASHANT KRISHNARAO DESHMUKH Address of Applicant :GAURI APARTMENT, WANKHADE NAGAR, DABAKI ROAD, AKOLA - 444 002, MAHARASHTRA, INDIA 2)SURENDRA GANESHMAL GATTANI, 3)SATISH BHASKAR KOSALGE 4)GANESH BANSI PATIL
(31) Priority Document No	:NA	(72)Name of Inventor : 1)PRASHANT KRISHNARAO DESHMUKH 2)SURENDRA GANESHMAL GATTANI 3)SATISH BHASKAR KOSALGE 4)GANESH BANSI PATIL
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A new design of a diffusion cell for use in a diffusion sampling apparatus to be used in conjunction with automated or manual sampling is disclosed. The diffusion cell of present invention provides an improved and efficient diffusion assay system. Diffusion cell comprising only a donor compartment and have a provisions to attach natural or synthetic membrane for topical drug permeation studies. AH topical conditions can be simulated and diffusion study can be carried out more efficiently by attaching these cells to USP multistage dissolution test apparatus.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1640/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :28/05/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PURIFICATION OF CAPSULAR POLYSACCHARIDES OF HAEMOPHILUS INFLUENZA - B, NEISSERIA MENINGITIS USING ALUMINUM PHOSPHATE WITH ALCOHOL

(51) International classification	:A61K39/095; A61K39/102	(71)Name of Applicant : 1)BIOLOGICAL E. LTD., Address of Applicant :LAKSHMI BUILDING, 3RD FLOOR, ROOM NOS.45 & 46, SIR P.M.ROAD, FORT, MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. CHANDRASHEKAR MACHA
(87) International Publication No	: NA	2)MR. PENMETSA VEERA VENKATA
(61) Patent of Addition to Application Number	:NA	SATYANARAYANA MURTHY
Filing Date	:NA	3)MR .HARI PRASAD RAJU PERICHERLA
(62) Divisional to Application Number	:NA	4)DR. MARTIN REERS
Filing Date	:NA	5)DR. GOETZ REINER

(57) Abstract :

A new manufacturing process for preparing pure capsular polysachharide using aluminum phosphate with alcohol for the purification of capsular polysaccharides of Haemophilus influenza - b, Neisseria meningitis such as serotypes A,C,Y,W-135 and other similar related capsular polysaccharides produced form both gram negative and gram positive microorganisms is described. The process is applicable, simple, robust and easily scalable. The purified polysaccharide can be used in the preparation of covalent conjugates comprising the polysaccharide linked to a carrier protein. Purified polysaccharides meet all the specifications required by WHO and can be used as a vaccine component for both polysaccharide and conjugate vaccines

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1713/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :04/06/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : SELF LUBRICATING MECHANICAL SEAL.

(51) International classification	:F16J15/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)EAGLEBURMANN INDIA PVT LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 64, SURVEY NO. 91/B
(33) Name of priority country	:NA	RAMTEKADI INDUSTRIAL ESTATE, HADAPSAR, PUNE-
(86) International Application No	:NA	411 013, Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SHAMSUNDAR VASUDEO KULKARNI
(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 describes a rotating mechanical seal member for coupling with a stationary seal. The rotating mechanical seal member includes a body member, and a rubbing surface. The body member adapted to couple with a rotating means. The rubbing surface configured on the body member on opposite side to the rotating means. The rubbing surface is configured with a sinusoidal profile, wherein the sinusoidal profile enables lubrication between the stationary Seal and the rotating seal, thereby reducing friction and het generation therebetween.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1717/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :04/06/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : ARC SHIELD WITH BUILT IN RESISTOR ASSEMBLY FOR A SWITCHING DEVICE

(51) International classification	:H01H9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LARSEN & TURBO LIMITED
(32) Priority Date	:NA	Address of Applicant :L& T HOUSE,BALLARD ESATE,
(33) Name of priority country	:NA	MUMBAI-400 001, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PANDA, RAJESH, K.
(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 resistor assembly for use as built-in type in an arc shield in a switching device. The resistor assembly comprising metallic strip means, a plurality of heat resistant coated insulation sleeve means, resistor winding means and resistor terminal means. In the resistor assembly, the metallic strip means being coated with known heat resistant nano paint and wrapped with said insulation sleeve means and said metallic strip means being operatively connected to the resistor winding means, which is coated with known heat resistant nano paint. The resistor winding means being further wrapped with said insulation sleeve means being coated with known heat resistant nano paint and the resistor winding means being operatively connected to the resistor terminal means being provided with the insulation sleeve.

No. of Pages : 32 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1255/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :16/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : IMPROVING SOLVENT EFFICIENCY BY DOPING POLYMER 'DISPERSANT' TO MITIGATE ASPHALTENE PRECIPITATION.

(51) International classification	:B01F 17/00	(71)Name of Applicant : 1)OIL AND NATURAL GAS CORPORATION LTD.
(31) Priority Document No	:NA	Address of Applicant :IOGPT, PHASE -II, PANVEL -410221,
(32) Priority Date	:NA	NAVI MUMBAI, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)ESHWAR RAO
Filing Date	:NA	
(87) International Publication No	:N/A	
(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 solvent formulation consisting of diesel, toluene, xylene, naphthalene in a fixed ratio with an optimized dose of dispersant that dissolves the organic deposits in down stream and upstream operations and thereby cleans the well bore deposits of carbonate resevoir and the flow lines of surface facilitates.

No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1378/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :30/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : OPTIMIZATION FOR RECOVERY OF RICH GAS FROM CSU

(51) International classification	:B01D 53/00	(71) Name of Applicant : 1)OIL AND NATURAL GAS CORPORATION LTD.
(31) Priority Document No	:NA	Address of Applicant :IOGPT, PHASE -II, PANVEL -410
(32) Priority Date	:NA	221, NAVI MUMBAI, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)J. N. SUKANANDAN
Filing Date	:NA	2)R. K. SINGH
(87) International Publication No	:N/A	3)A. K. FOTEDAR
(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 process of increasing the condensate generation in the CSU off-gas compressor plants of crude oil and gas processing complex which will lead to additional LPG and Naphtha production by means of increasing the richness of CSU off-gas to off-gas compressor unit by selecting suitable stream of gas from an existing hydrocarbon processing plant.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1591/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :21/05/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : SUPERSATURATED SOFT GELATIN CAPSULE FORMULATION AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:A61K9/48
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)MACLEODS PHARMACEUTICALS LIMITED
Address of Applicant :304, ATLANTA ARCADE, OPP.
LEELA HOTEL, MAROL CHURCH ROAD, ANDHERI
(EAST), MUMBAI - 400 059 MAHARASHTRA, INDIA.
(72)**Name of Inventor :**
1)AGARWAL RAJENDRA MURLIDHAR
2)BAWEJA JITENDRA MOHANSINGH
3)VANGARI RAMANAND

(57) Abstract :

The present invention provides soft gel capsule formulation for oral administration comprising supersaturated matrix of therapeutically active drug or pharmaceutically acceptable salt thereof, formulated using a mixture of solubilizer, viscosity enhancing agent along with at least one pharmaceutically acceptable excipient. The formulation contains about 55 to 80% of active by weight of the composition and is devoid of any stabilizer. The present invention also relates to a process for the preparation of soft gel capsule formulation for oral administration comprising supersaturated drug matrix. The composition exhibits physical and chemical stability along with desired dissolution profile.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2010

(21) Application No.1594/MUM/2010 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : RASAGILINE AND ITS PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF

(51) International classification	:C07C 211/42; C07C 309/29	(71)Name of Applicant : 1)CADILA HEALTHCARE LIMITED Address of Applicant :ZYDUS TOWER, SATELLITE CROSS ROAD, AHMEDABAD - 380 015, GUJARAT, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)DWIVEDI SHRIPRAKASH DHAR
(33) Name of priority country	:NA	2)PRASAD ASHOK
(86) International Application No	:NA	3)PATEL MAYUR RAMNIKBHAI
Filing Date	:NA	
(87) International Publication No	:N/A	
(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 rasagiline (I) and its pharmaceutically acceptable salts. The invention also relates to improved processes for the preparation of rasagiline and its pharmaceutically acceptable salts. The invention also relates to pharmaceutical compositions that include the pharmaceutically acceptable salts of rasagiline and use of the compositions for treating the signs and symptoms of idiopathic Parkinsons disease as initial monotherapy and as adjunct therapy to levodopa.

No. of Pages : 61 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1721/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :04/06/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : MILLING HEAD FOR MACHINING RAILWAY WHEELS

(51) International classification	:B23C9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELI BHOJRAJ HEMRAJ
(32) Priority Date	:NA	Address of Applicant :18, VISHRAMBAGH HOUSING
(33) Name of priority country	:NA	SOCIETY, SENAPATI BAPAT ROAD, PUNE-411 016,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)TELI BHOJRAJ HEMRAJ
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A milling head for machining a railway wheel disc is disclosed having milling cutter with a first holding portion and a second holding portion. The first holding portion and the second holding portion enables in holding a first cutting tool and a second cutting tool respectively. The milling cutter is mounted on a milling spindle through a taper shank. A tool slide assembly tool slide assembly provides controlled movement to the milling cutter along a first axis and the second axis.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1722/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :04/06/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SYSTEM TO MEASURE, AGGREGATE AND ANALYZE EXACT EFFORT AND TIME PRODUCTIVITY

(51) International classification	:G06F17/60	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INNOVIZETECH SOFTWARE PVT. LTD
(32) Priority Date	:NA	Address of Applicant :LUNAWAT CLASSIC, 5/B ICS
(33) Name of priority country	:NA	COLONY, PUNE 411 007, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DEODHAR, SWATI SHIRISH
(87) International Publication No	: NA	2)BHATIA, MADHUKAR SHARAN
(61) Patent of Addition to Application Number	:NA	3)DEODHAR, SHIRISH PRABHAKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for measuring exact effort spent on work related activities within an organization. The system includes at least one desktop agent cooperating with at least one server, the or each said desktop agent includes collecting means for online events including user inputs, active applications, and related application artifacts; a desktop time map unit aggregating said online events into time slots pertaining to applications and artifacts on said desktop, a user remote time map unit assessing an offline duration at said desktop; a rules and pattern matching engine; a user time analyzer mapping said online and offline time utilization to activity and purpose responsive to output of said rules and pattern matching engine; and a private time selector regulated by said user time analyzer. Server aggregates individual effort data, and adapts it into an n-dimensional effort data cube, thereby facilitating views into different aspects of organization effort.

No. of Pages : 43 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1761/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :10/06/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN APPARATUS AND METHOD FOR TRAFFIC SIGN DETECTION AND RECOGNITION

(51) International classification

:G06T7/40,
G06K9/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)TATA CONSULTANCY SERVICES LIMITED

Address of Applicant :NIRMAL BUILDING,9TH FLOOR,
NARIMAN POINT, MUMBAI-400021, MAHARASHTRA,
INDIA.

(72)Name of Inventor :

1)MANOJ C R

2)PRATAP PULUGORU

3)SACHIN AGSEBAGIL

4)ANIRUDDHA SINHA

(57) Abstract :

The present application provides a robust, illumination invariant apparatus and method for detecting and recognizing various traffic signs. A robust method for detecting and recognizing the traffic signs using images captured by a digital color and night vision camera, the said method characterized in being illumination invariant comprising the processor implemented steps of: transforming RGB image into HSV color model and subsequently extracting desired color components by using color quantization; filtering the noise components in the HSV color model based on object symmetrical shape property; detecting edges of the objects and subsequently detecting the distinct objects in the noise components filtered image; classifying the shapes of the traffic signs based on shape of the determined distinct objects; and recognizing the classified shapes of the traffic signs by template matching. Further, the method provides the provision for warning the driver by use of the recognized data of the traffic signs.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1800/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :15/06/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYSTEM & METHOD FOR CONTROLLING LIQUID CARRYOVER IN GASEOUS LPG POWERED ENGINES

(51) International classification	:F02D19/02	(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	:N/A	1)MR. MUTHU SHANMUGAM R
(61) Patent of Addition to Application Number	:NA	2)MR. VISWANATHA H. C.
Filing Date	:NA	3)MR. NIESH M KANKARIAYA
(62) Divisional to Application Number	:NA	4)MR. SRINIVASAN L
Filing Date	:NA	

(57) Abstract :

Various embodiments of the present invention provide a system and method for controlling liquid carryover in gaseous LPG powered mono-fuel or bi-fuel engines. The system comprises an engine controller. A temperature sensor is located in a low pressure fuel feed line connecting a vaporizer to said engine. An oxygen sensor is located in the exhaust manifold of said engine. A throttle position sensor and a coolant temperature sensor are connected to said engine. The engine controller monitors output from said plurality of sensors to operate the engine in normal operating mode or restricted operating mode. The method according present invention includes the said controller to measuring the output voltage of a temperature sensor and an oxygen sensor. Detecting the liquid carryover based on the LPG temperature and oxygen sensor voltage and selectively operating said engine in restricted operating mode or normal operating mode based on presence or absence of liquid carryover respectively.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1361/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :29/04/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR COORDINATED SPLICING OF MULTIPLE STREAMS

(51) International classification	:H04N
	21/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:
Filed on	:01/01/1900

(71)Name of Applicant :

1)VUBITES INDIA PRIVATE LIMITED

Address of Applicant :1ST FLOOR, MAHALAXMI ENGG
ESTATE(ANNEXE), 1ST L.J. CROSS ROAD, MAHIM (W),
MUMBAI 400 016 Maharashtra India

(72)Name of Inventor :

1)DIPANKUMAR MEHTA

2)DEVENDRAKUMAR BANKER

3)DALJEET KAUR

4)RAKESH TRIPATHI

(57) Abstract :

A method and apparatus for coordinated splicing of multiple streams is disclosed. In one embodiment, a method and apparatus for controlling flow of a plurality of streams of a first data stream is disclosed. Further, a method and an apparatus for selecting splice opportunity points for a plurality of streams of the first data stream is disclosed.

No. of Pages : 53 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1925/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :01/07/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SYSTEM FOR THREE LEVEL AUTHENTICATION OF A USER

(51) International classification	:H04L9/32	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LTD.
(32) Priority Date	:NA	Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,
(33) Name of priority country	:NA	NARIMAN POINT, MUMBAI-400021, MAHARASHTRA,
(86) International Application No	:NA	INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)BIDARE PRASANNA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for three level authentication of a user has been disclosed. The system 100 performs three level authentication: first level being selection of at least one predefined image from a plurality of images including decoy images; second level being selection of at least one predefined tile in the tiled version of the selected images to generate a transaction key; and the third level being entering a transaction key generated after first and second level are successfully completed, which is used for final account login and grant of transaction rights. The authentication is done on users computing node 110 by communicating with authentication server 102 for first and second level authentication and the transaction key for third level authentication being generated by transaction key generating server 124 and transmitted on to users computing node.

No. of Pages : 31 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2284/MUMNP/2011 A

(19) INDIA

(22) Date of filing of Application :27/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR SETTING REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W 16/00
(31) Priority Document No	:200910136073.2
(32) Priority Date	:27/04/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/071663
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/124553
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)PANASONIC CORPORATION
Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 5718501, JAPAN
(72)**Name of Inventor :**
1)TONG, HUI
2)XU, MING
3)HOSHINO, MASAYUKI
4)IMAMURA, DAICHI

(57) Abstract :

A method and a system of setting up a reference signal in a radio communication system. The radio communication system includes a serving cell and a neighboring cell, and a mobile terminal of the serving cell uses the same temporal frequency resource so as to receive a serving resource block from the serving cell and receive an interference resource block from the neighboring cell. The method according to the present disclosure includes a step of setting up a user-specific reference signal in the interference resource block and a step in which puncturing is performed at same temporal frequency position as the temporal frequency position at which the user-specific reference signal is set up on the interference resource block of the serving resource block so as to prevent any signal from being transmitted at the punctured temporal frequency position. When the method and the system provided in the present disclosure are used and the interference power between cells is thereby measured, it is possible to effectively reduce feedback overhead in a coordinated beamforming.

No. of Pages : 70 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2824/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITION AND FORMULATION OF RITONAVIR WITH IMPROVED DISSOLUTION.

(51) International classification

:A61K31/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)J. DUNCAN HEALTHCARE PVT.LTD.

Address of Applicant :PLOT NO.65,66 & 67,PHASE
II,ATGAON INDL.COMPLEX,SHAHPUR,THANE,
MAHARASHTRA. India

(72)Name of Inventor :

1)MR. ALOK KUMAR

(57) Abstract :

The present invention relates to a stable oral solid pharmaceutical formulation comprising Ritonavir with improved dissolution thereby increasing bioavailability for treatment of infections caused by Human Immunodeficiency Virus (HIV). The present invention also describes a simple process for obtaining stable oral solid pharmaceutical formulation in hard gelatine capsules.

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1657/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :31/05/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : ISOLATION OF RUTIN FROM TEPHROSIA PURPUREA LEAVES WITH 5% YIELD AND PROCESS THEREOF

(51) International classification	:A61K36/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ITANKAR PRAKASH RAMBHAU

Address of Applicant :DEPARTMENT OF
PHARMACOGNOSY, UNIVERSITY DEPARTMENT OF
PHARMACEUTICAL SCIENCES, R.T.M.NAGPUR
UNIVERSITY, AMRAVATI ROAD, NAGPUR,440 033.
Maharashtra India

(72)Name of Inventor :

1)ITANKAR PRAKASH RAMBHAU

2)VERMA PRASHANT RAMKUMAR

(57) Abstract :

The present invention provides an efficient and economical process for the isolation of rutin from the leaves of Tephrosia purpurea commercially known as Sharpunkha in Marathi, which comprises of extraction of the dried leaves with a single solvent selected from acetone, butanol, ethyl acetate, ethyl alcohol, methanol and water and their mixtures at varying proportions for 2-24 hours (at 40-80 °C) followed by cooling and filtering the solid mass which will gets separated out of solvent. Removal of solvent under vacuum (at 35-45° C), precipitation of crude rutin at the interface of two immiscible solvents selected from diethyl ether, chloroform, ethyl acetate, acetone, ethanol, methanol, and water resulting in the isolation of rutin with 5% yield.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1683/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :02/06/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : SUBMERGED CONDENSER ASSEMBLY

(51) International classification	:B60H1/00, F25D15/00	(71) Name of Applicant : 1)TATA MOTORS LIMITED Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)ABHIJIT P DUBE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In accordance with the present invention, submerged condenser assembly comprises; a condenser 01, coolant means 02, auxiliary tank 03, pump 05 for pumping the coolant means 02, jacket housing 07 filled with said coolant means 02, wherein said condenser 01 is disposed in said jacket housing 07 and submerged in, said coolant means 02 for dissipating the heat from refrigerant flowing through said condenser. Said jacket housing 07 is having inlet port 06 and outlet port 04 connected to said pump 05 for pumping the said coolant means 02. Said condenser 01 is having inlet 8a and outlet 8b for refrigerant to flow in from compressor and out of said condenser 01 to receiver drier. Alternatively said submerged condenser assembly comprises; a first tube member 1a, second tube member 1b, auxiliary tank 03, pump 05 for pumping the coolant means 02, wherein said first tube member 1a and said second tube member 1b are a tube - in - tube structure which are co-axial tubes, said first tube member 1a carrying the compressed refrigerant disposed inside the second tube member 1b carrying the liquid heat exchanging means 02 which dissipates the heat from refrigerant flowing through said first tube member 1a.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2837/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD OF FORMING A DRUG CARRIER NANOCOMPOSITE

(51) International classification	:C01F 7/00	(71) Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
(31) Priority Document No	:NA	Address of Applicant :IIT Bombay Powai Mumbai 400076
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)ASIFKHAN SHANAVAS
Filing Date	:NA	2)ROHIT SRIVASTAVA
(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 nanocomposite is provided. The nanocomposite includes a nanoparticle layer and an iron oxide layer encapsulating the nanoparticle layer to form the nanocomposite.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2840/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : THE METHOD WHICH REDUCES THE BLOCKAGE (DEU TO DISSOLVED SALT) IN IRRIGATION SYSTEM

(51) International classification	:A01C 23/00	(71)Name of Applicant : 1)PAWAR RAJENDRA NAVNATH
(31) Priority Document No	:NA	Address of Applicant :AT- KAHANDALWADI(WAVI),
(32) Priority Date	:NA	TAL-SINNER, DIST-NASIK, 422104 Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)PAWAR RAJENDRA NAVNATH
Filing Date	:NA	
(87) International Publication No	:N/A	
(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 related to the irrigation system. More particularly the present invention is related to reduces the blockage in water lines formed due to dissolved salts in the water. The air blowing / Air compressing device compresses the air into water lines. The motor used for the air compressing / air blowing can be operated by the manually as well as by using instrumentation control. The compressed air forces to inside remaining water to comes out through dripper/ emitter. The valves avoiding the back pressure on the air blowing / air compressing device and back flow of water in the direction of water pump. The system comprising the water source, water pumping pump , air blowing / air compressing device connected to electrical motor, vales, dripper / emitter and connector etc. This method is very simple , efficient and cost effective.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1935/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :02/07/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : DATABASE WORKLOAD REPLAY WITH TRANSACTIONAL CONSISTENCY USING CAPTURE BASED ON NETWORK CAPTURE OR KERNEL BASED CAPTURING□

(51) International classification	:G06F17/30
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)EXACT SOLUTIONS INC.
Address of Applicant :1650 Broadway Suite 704 New York
NY 10019 United States of America.
(72)**Name of Inventor :**
1)KRISHNA VORA

(57) Abstract :

The present invention relates to a method and a system for replaying full scale Production Database workload using Network or Kernel Capture. In one embodiment, the capture of the Server workload is done using Network Capture or using Kernel drivers. The captured workload is then pre-processed and Replayed to a test system along with full transactional integrity.

No. of Pages : 43 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1936/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :02/07/2010

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONTINUOUS REPLAY OF DATABASE WORKLOAD NEAR REAL TIME WITH TRANSACTIONAL CONSISTENCY AT A FIXED INITIAL TIME DELAY USING WORKLOAD CAPTURE□

(51) International classification	:G06F17/30, G06F11/30	(71)Name of Applicant : 1)EXACT SOLUTIONS INC.
(31) Priority Document No	:NA	Address of Applicant :1650 Broadway Suite 704 New York
(32) Priority Date	:NA	NY 10019 United States of America.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)KRISHNA VORA
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method to continuously replay Production Database Workload in near real time using workload capture based on Network or Kernel Capture is provided. The capture of the Server workload is done using Network Capture or using Kernel drivers in a continuous round robin method. The captured data is continuously pre-processed followed by a continuous replay of that data to a Test database system, with the replay lagging the original workload by a fixed initial time delay.

No. of Pages : 45 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.264/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : TREATMENT OF TITANIUM ORES

(51) International classification	:C22B 34/12
(31) Priority Document No	:0913736.5
(32) Priority Date	:06/08/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB10/051237
Filing Date	:28/07/2010
(87) International Publication No	:WO 2011/015845
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)CHINUKA LIMITED
Address of Applicant :C/O BLINKHORNS, 27 MORTIMER STREET, LONDON W1T 3BL U.K.
(72)**Name of Inventor :**
1)FRAY, DEREK J.
2)JIAO, SHUQIANG

(57) Abstract :

A method of producing titanium, comprising providing an oxide of titanium having a level of impurities of at least 1.0 wt%, reacting the oxide of titanium to form a titanium oxycarbide; and electrolysing the titanium oxycarbide in an electrolyte, with the titanium oxycarbide configured as an anode; and recovering a refined titanium metal from a cathode in the electrolyte.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2851/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A PROCESS FOR IMPROVING MANUFACTURING PRODUCTIVITY OF FORGED AND MACHINED COMPONENTS.

(51) International classification	:C21D	(71)Name of Applicant :
	1/42	1)BHARAT FORGE LIMITED
(31) Priority Document No	:NA	Address of Applicant :MUNDHWA,PUNE
(32) Priority Date	:NA	CANTONMENT,PUNE-411036,MAHARASHTRA,INDIA
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)MR. BABASAHEB NEELKANTH KALYANI
Filing Date	:NA	
(87) International Publication No	:N/A	
(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 a process of manufacturing forged components using a combination of open die and closed die forging, and machining. The process involves the steps of cogging of the ingot, upsetting the cogged bloom in two steps to form a preform, closed forging the preform on a hammer, rough machining, heat treatment, semi-finishing, and finally finishing the component. The present invention is applicable to any forged components that are used in variety of industries, particularly those which are formed from large ingots. The invention is particularly useful for safety- and application-critical components such as a fluid end which is used in oil and gas industry. With the process of the present invention, 55 to 60 % of the shape and size of the final component is achieved through forging and remaining 40 to 45 % through machining. Incorporating the closed die forging stage in between open die forging and machining stages of the results in about 27% material reduction and over 60% reduction in machining time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2852/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A PROCESS TO IMPROVE FATIGUE STRENGTH OF MICRO ALLOY STEELS

(51) International classification	:B23Q	(71)Name of Applicant :
	11/10	1)BHARAT FORGE LIMITED
(31) Priority Document No	:NA	Address of Applicant :MUNDHWA,PUNE
(32) Priority Date	:NA	CANTONMENT,PUNE-411036, MAHARASHTRA,INDIA
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)MR. BABASAHEB NEELKANTH KALYANI
Filing Date	:NA	
(87) International Publication No	:N/A	
(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 describes a process to make enhanced fatigue strength micro-alloy steel. In the process of the present invention, the soaking temperature is maintained in the range of 900 °C to 1050 °C and soaking time in the range of 30-60 minutes depending on size of crankshaft to get refined grain size. Distortion of the components is prevented from occurring with provision of adequate supports especially designed for the process. Forged parts made using the process, such as crankshafts, have a refined grain pattern and result into 20 to 25% enhancement in torsion fatigue strength & 10-25% enhancement in bending fatigue strength. The present invention thus provides an enhanced ratio of the strength to material density and a micro-alloy whose torsion fatigue strength and bending fatigue strength are greater than the currently available micro-alloy steels.

No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2826/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL 3-METHYL AZETIDININE COMPOUNDS HAVING DOPAMINERGIC ANTAGONIST OR INVERSE AGONIST TYPE BIOLOGICAL ACTIVITY

(51) International classification	:A61K31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SHASHIKANT DATTATRAYA METKAR
(32) Priority Date	:NA	Address of Applicant :SARVODAY GARDEN, 5/B-402,
(33) Name of priority country	:NA	PANDURANG WADI, DOMBIVLI (EAST)-
(86) International Application No	:NA	421201,MAHARASHTRA,INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)SHASHIKANT DATTATRAYA METKAR
(61) Patent of Addition to Application Number	:NA	2)UDAY VINAYAK DESAI
Filing Date	:NA	3)MANISH SUDESH BHATIA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2827/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN EFFICIENT HEATING APPLIANCE

(51) International classification	:F23M	(71)Name of Applicant :
(31) Priority Document No	5/00	1)CROMPTON GREAVES LIMITED
(32) Priority Date	:NA	Address of Applicant :CROMPTON GREAVES LTD., CG
(33) Name of priority country	:NA	HOUSE,6TH FLOOR, DR.ANNIE BESANT ROAD,WORLI,
(86) International Application No	:NA	MUMBAI-400 030,MAHARASHTRA,INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)D'MELO DAWID
(61) Patent of Addition to Application Number	:NA	2)SARMA BUDHAVARAPU PAVAN SRINIVAS
Filing Date	:NA	3)GARG DAMODAR
(62) Divisional to Application Number	:NA	4)UPADHYAY PANKAJ
Filing Date	:NA	

(57) Abstract :

An efficient heating appliance; the appliance comprises a heating tank assembly, base plate fitted with a heating element and an inlet, and an outlet pipe; said assembly including a tank assembly adapted to serve as the insulated casing and the general body for said water heater assembly, said body with a pre-calculated capacity and further allowing it to encompass suitably positioned base plate fitted with the heating element and inlet; said heating elements coated with the composition comprising teflon and nano-particles; said inlet has a sparger pipe which is held in close proximity to said heating element thereby causing turbulence in close proximity to said heating element in said heating zone.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2828/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SIEVE ASSEMBLY

(51) International classification	:B07B001/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)PARMAR, PARASMAL MITHALAL
Address of Applicant :VARDHAMAN TIN WORKS,NR,
DECOTEX FURNISHING STUDIO, G.B.RD, MANPADA,
THANE(W)-400607, MAHARASHTRA, INDIA
(72)**Name of Inventor :**
1)PARMAR, PARASMAL MITHALAL

(57) Abstract :

The present invention provides a process for attaching a sieve element to a sieve assembly. The sieve element is clamped to the sieve frame and is securely fixed to the sieve frame by means of a machine press. The process of the present invention obviates the drawback associated with conventional process of stapling the sieve element to the sieve frame by means of industrial staples or by means of hammering.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2880/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :12/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A NOVEL PROCESS FOR THE OPTICAL PURIFICATION OF PROTON PUMP INHIBITORS AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF.

(51) International classification	:C07D 333/00	(71)Name of Applicant : 1)ALKEM LABORATORIES LTD.
(31) Priority Document No	:NA	Address of Applicant :DEVASHISH, ALKEM
(32) Priority Date	:NA	HOUSE,SENAPATI BAPAT MARG, LOWER PAREL,
(33) Name of priority country	:NA	MUMBAI 400 013 MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PRAVEEN RAOSAHEB SUPEKAR
(87) International Publication No	:N/A	2)PRASHANT PANDURANG PAWAR
(61) Patent of Addition to Application Number	:NA	3)DHARMESH KUMAR ARVINDBHAI PATEL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel process for the optical purification of enantiomerically enriched 2-(pyridinylmethylsulphonyl)-1H-benzimidazole compounds and their pharmaceutically acceptable salts of Formula 1 wherein R1 to R4 may be selected from H, linear or branched (1-4 C) alkyl, linear or branched (1-4 C) alkoxy, aryl, aryloxy and their halo or alkoxy substituted analogs useful as proton pump inhibitors (PPI). Particularly, the present invention provides an improved optical purification of enantiomerically enriched preparation of Esomeprazole and pharmaceutically acceptable salts thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2916/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :18/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : USE OF METHYL 2-CYCLOHEXYLACETATE AS A FRAGRANCE INGREDIENT.

(51) International classification	:A61K 8/49	(71) Name of Applicant : 1)MR. VAZE KEDAR RAMESH
(31) Priority Document No	:NA	Address of Applicant :S.H KELKAR AND CO PVT LTD.
(32) Priority Date	:NA	LBS MARG,MULUND MUMBAI 400 080 Maharashtra India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)MR. VAZE KEDAR RAMESH
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2917/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :18/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : TORREFRACTION UNIT WITH AUTOMATIC PROCESS CONTROL MECHANISM

(51) International classification	:F26B 25/00	(71)Name of Applicant : 1)ABELLON CLEANENERGY LIMITED
(31) Priority Document No	:NA	Address of Applicant :ABELLON CLEANENERGY
(32) Priority Date	:NA	LIMITED, 10th FLOOR, SANGEETA COMPLEX, NEAR
(33) Name of priority country	:NA	PARIMAL CROSSING, ELLISBRIDGE, AHMEDABAD 380
(86) International Application No	:NA	006 GUJARAT,INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)PATEL PANKAJ
(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 a machine for torrefaction of biomass to increase energy density. The biomass material with various moisture level used as feed material. In feed hopper is equipped with isolation bin to make safe entry of biomass material to torrefraction chamber. The screw-conveyor brings fuel from the inlet isolation bin and bring in to torrefraction chamber. Temperature of torrefraction chamber is achieved by fluid based indirect heating. Heating of liquid fluid is done externally by means of any types of external heating source and circulated around the torrefraction chamber by electric motor. The design of torrefaction chamber facilitate torrefraction in absence of oxygen and collection of generated torrefaction gas/liquid. Cooling of torrefied biomass is done in to cooling chamber by circulating chilled water around the colling chamber. In cooling chamber torrefied biomass convey from torrefraction chamber by screw conveyor. Isolation bin with actuated valve at cooling chamber allow colling of torrefied biomass without in contact of external environment. The-whole torrefaction unit is connected/controlled by Supervisory Control and Data Acquisition (SCADA) system to operate it accurately, remotely and safely.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2848/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : INHALER DEVICE WITH DOSE COUNTER MEANS

(51) International classification	:A61M 15/00	(71) Name of Applicant : 1)GLENMARK PHARMACEUTICALS LIMITED Address of Applicant :Glenmark House HDO Corporate Bldg Wing -A B. D. Sawant Marg Chakala Andheri (East) Mumbai Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)DHUPPAD Ulhas Rameshchandra
(87) International Publication No	: NA	2)CHANDAK Sharad Chandmal
(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 inhaler device with dose counter means. Particularly, the present invention relates to a pressurized metered dose inhaler for inhalation of medication by a patient, wherein the inhaler has dose counter means. The metered dose inhaler can be used to deliver medication for the treatment of various respiratory disorders like asthma and chronic obstructive pulmonary disease (COPD).

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2850/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR PREPARATION OF ARYLOXY ARYLPROPANAMINES

(51) International classification

:C07D
333/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)EMCURE PHARMACEUTICALS LIMITED

Address of Applicant :EMCURE HOUSE,T-

184,M.I.D.C.,BHOSARI,PUNE-411026, Maharashtra India

(72)Name of Inventor :

1)GURJAR MUKUND KESHAV

2)MAIKAP GOLAKCHANDRA SUDARSHAN

3)MAHALE RAJENDRA DAGESING

4)CHASKAR SUDHIR PANDITRAO

5)PATIL KIRAN EKANATH

6)MEHTA SAMIT SATISH

(57) Abstract :

The present invention relates to a novel process for the preparation of aryloxy aryl propanamines (I) of desired purity. The process comprises reaction of aryl propanolamines of formula (II) with aryl fluorides of formula (III) in presence of sodium sulfide as a base and dimethyl sulfoxide as solvent to give aryloxy arylpropanamines (I) having purity conforming to regulatory specifications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2896/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :17/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A METHOD AND APPARATUS FOR ELIMINATING ATHEROSCLEROSIS FROM A REGION OF THE ARTERIAL TREE

(51) International classification	:A61H1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)RATHORE, JASWANT
Address of Applicant :APT.E 504,LOK DARSHAN
COMPLEX, MILITARY ROAD, MAROL, ANDHERI(E),
MUMBAI -400 059, MAHARASHTRA, INDIA.

2)SINGH, AJOY I.
(72)**Name of Inventor :**
1)SINGH, AJOY I.

(57) Abstract :

The present invention provides a method and apparatus for elimination of atherosclerosis from an artery. According to the present invention the diseased artery is approached from external side and ablate in such a way that incision/cut pass through tunica adventitia and tunica media of the diseased artery and a fibrous capsule of the atherosclerosis. On ablation/incision, the contents plaques are exposed to the natural defense of the body and are destroyed by the natural defense system. The plaque escaping out of the artery on the external surface of the artery may be wiped or washed away with saline during or after the ablation procedure. Then, natural healing of artery is allowed which eliminates atherosclerosis thoroughly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2932/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A METHOD AND MECHANISM FOR SCOOPING AND HOLDING A GEM STONE

(51) International classification	:B24B 1900	(71)Name of Applicant : 1)P A CHACKO MUTHALALY
(31) Priority Document No	:NA	Address of Applicant :B 702,PRIME AVENUE, S.V.
(32) Priority Date	:NA	ROAD,VILE PARLE-WEST,MUMBAI 400 056,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	2)SANDIP KOTHARI
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)P A CHACKO MUTHALALY
(61) Patent of Addition to Application Number	:NA	2)SANDIP KOTHARI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A pierced diamond comprising: (a) a base diamond having a groove like recess; (b) an another inner diamond that can fit in the said recess; (c) a gold mechanism. The invention also relates to various methods of piercing a diamond in a diamond.

No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2938/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : MULTI DISH TRACKING SYSTEM THROUGH IMAGE PROCESSING

(51) International classification	:F24J2/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)THERMAX LIMITED
(32) Priority Date	:NA	Address of Applicant :THERMAX HOUSE 4,MUMBAI-
(33) Name of priority country	:NA	PUNE ROAD, SHIVAJINAGAR,PUNE-411 003,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)THAKUR DEEPAK
(61) Patent of Addition to Application Number	:NA	2)JANGADA JAYPRAKASH
Filing Date	:NA	3)AHMAD TANVEER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A tracking system for a solar thermal plant comprising a plurality of solar concentrators, a receiver to receive concentrated sunlight reflected by the solar concentrators, a driving means to move each of the solar concentrators, a plurality of actuators to modify radius of curvature of each solar concentrator, a solar sensor co-operating with each solar concentrator, and an image capturing device to focus sunlight on the receiver, said system characterized in that; a control device is provided to receive input signals from the receiver, the image capturing device and the solar sensors and generate feedback signals for the driving means and the actuators, wherein the control device includes a selector to switch between a dynamic logic and a set logic based on said signals received from the receiver, the image capturing device and the solar sensors in real time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2857/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SELF-SUSTAINABLE INTEGRATED SOLID AND LIQUID WASTE MANAGEMENT, TREATMENT, AND ENERGY GENERATION SYSTEM AND METHOD.

(51) International classification	:C02F	(71)Name of Applicant :
	11/04	1)TRANSCARB ENERGY PRIVATE LIMITED
(31) Priority Document No	:NA	Address of Applicant :504,360 DEGREE BUSINESS
(32) Priority Date	:NA	PARK,LBS MARG,MULUND WEST,MUMBAI-400080,
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VIJAY KUMAR NARAYAN
(87) International Publication No	:N/A	2)KRISHNAN NEELAKANTAN
(61) Patent of Addition to Application Number	:NA	3)PRADEEP KUBER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A self-sustainable integrated solid and liquid waste management, treatment, and energy generation system, said system comprises: (a) feed preparation module adapted to receive waste feed and further adapted to segregate said received waste feed, said feed preparation module further comprises: (i) Waste Oil Treatment Process Module; (ii) Sewage and Liquid Organic Effluent Treatment Module; (iii) Solid Organic Waste Treatment Module; (b) energy production module adapted to receive prepared feed from said feed preparation module and further adapted to generate biogas, electrical power, and fertiliser, said energy production module further comprises: (i) Biomethanation and Anaerobic Digestion Module; (ii) Biogas Cleanup Module; (iii) Pilot Fuel / Dual Fuel Biogas Engine Generator Module; (c) auxiliary processing module adapted to receive hot exhaust gas, organic digestate, hot condensate water in order to provide energy to vapour absorption chiller and to obtain cooled exhaust gas rich in carbon-dioxide which will provide energy for green house, organic fertiliser, cold storage propelling refrigerant, processed water and residue feeds, said auxiliary processing module further comprises: (i) Biogas Engine Exhaust Gas Waste Heat Recovery Module; (ii) Organic Fertiliser Module; (iii) Vapour Absorption Chiller and Cold Storage Module; and (iv) Reverse Osmosis Waste Water Treatment Module.

No. of Pages : 61 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2859/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : MAGNET AS A SOURCE OF ENERGY

(51) International classification	:H01L 21/3065	(71)Name of Applicant : 1)SONAR YOGESH PREMANAND
(31) Priority Document No	:NA	Address of Applicant :SONAR YOGESH
(32) Priority Date	:NA	PREMANAND,NEW-PLOT, TAMBEPURA, AT & POST-
(33) Name of priority country	:NA	AMALNER, DT-JALGAON, 425401 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SONAR YOGESH PREMANAND
(87) International Publication No	:N/A	
(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 with the magnetic energy as source of energy, more specially conversion of magnetic repulsive energy into useful mechanical energy. Here set of permanent magnets arranged perpendicular with tangent of moving circle of magnet, and each magnet hide or covered by magnetic shielding material particularly more than half of distance of width of magnet to stop or absorb particular magnetic field to use magnet as a source of energy at maximum level more specially conversion of magnetic repulsive energy into useful mechanical energy. Set of permanent magnets arranged in circular lines of magnet, thereby magnet utilized by both N and S pole; disconnecting circular lines mechanism provided to control spin of rotor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2962/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :20/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A KIT COMPRISING PHARMACEUTICAL ANTIRETROVIRAL COMPOSITIONS

(51) International classification	:A61K31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CIPLA LIMITED
(32) Priority Date	:NA	Address of Applicant :MUMBAI CENTRAL, MUMBAI-400
(33) Name of priority country	:NA	008, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MALHOTRA GEENA
(87) International Publication No	:N/A	2)PURANDARE SHRINIVAS MADHUKAR
(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 pharmaceutical antiretroviral compositions comprising a combination of antiretroviral agents, the manufacturing process thereof and use of the said compositions for the prevention, treatment or prophylaxis of diseases caused by retroviruses, especially acquired immune deficiency syndrome or an HIV infection.

No. of Pages : 42 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2967/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : MONTAGE OF SECURED, REAL TIME, SCALABLE, MULTI-MEDIA BASED INFORMATION FROM GEOGRAPHICALLY DISTINCTLY MAPPED, MULTIPLE REMOTE LOCATIONS, THROUGH A TELECOM NETWORK, FOR EFFECTIVE DUPLEX COMMUNICATION TO SIMULTANEOUSLY CUSTOMIZE AND ENHANCE THE QUALITY OF DELIVERY OF THE ONLINE TEACHING INSTRUCTIONS BASED UPON INTERPRETATION OF THE NEAR REAL TIME FACIAL/VERBAL GRASPING IMPACT OF THE REMOTE STUDENT THROUGH VIDEO MOSAIC LAYOUT

(51) International classification	:G06F17/60	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VALUABLE INNOVATIONS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :VALUABLE TECHNO
(33) Name of priority country	:NA	PARK,53/1,ROAD NO. 7, MIDC, ANDHERI EAST, MUMBAI
(86) International Application No	:NA	400 093. Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SANJAY GAIKWAD
(61) Patent of Addition to Application Number	:NA	2)AMEYA HETE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system for providing simultaneous online educational content from a studio to multiple remote locations through a telecom network having effective duplex communication whereby teacher and students appear in real time with lively feedback from the classrooms/students/attendees for the teachers/presenters through a video mosaic layout.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2866/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : DRAFT SHIELD FOR A BALANCE

(51) International classification	:G01G 21/30
(31) Priority Document No	:102010050225.1
(32) Priority Date	:04/11/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Mettler-Toledo AG

Address of Applicant :Im Langacher 44 CH-8606 Greifensee Switzerland.

(72)Name of Inventor :

1)SCHILLIG Alfred

(57) Abstract :

A draft shield (31) for a balance (32) has a front wall (36), a rear wall (37), two sidewalls (34, 35), and a ceiling wall (38). The walls (34, 35, 36, 37, 38) together form a box which is open at the bottom and, in its installed state, encases the balance (32) and encloses a weighing compartment (39) containing a weighing pan (30, 30a, 30b) that is arranged above a top surface (41a) of a balance housing (40, 40a, 40b). The draft shield (31) stands by itself on the same work surface (33) as the balance (32), leaving clear space at least on the sides of the balance housing (40). The front wall (36) and the rear wall (37) have bottom edges arranged at a sufficient height above the work surface (33), so that the display- and operating part (42) of the balance (32) can protrude to the outside below the front wall (36) and that the rear part of the balance housing (40) remains accessible for cable connections. The sidewalls (34, 35) and the ceiling wall (38) are designed to allow at least portions of these walls (34, 35, 38) to be individually opened. According to the invention, the draft shield (31) is centered and secured in its position relative to the balance (32) and at the same time closed off at the bottom by a centering and bottom-closure part (43) which can be seated or fastened on the top surface of the balance housing (40) with a shape-conforming fit and which has an outside border contour (45) that matches an inside contour of the draft shield (31), so that in its installed state, the draft shield (31) closely fits the outside border contour (45) on all sides of the centering and bottom-closure part (43).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2901/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :17/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL MODIFIED RELEASE COMPOSITION OF CEFDINIR

<p>(51) International classification :A61K31/00</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(87) International Publication No :N/A</p> <p>(61) Patent of Addition to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)GETZ PHARMA RESEARCH PVT.LTD.</p> <p style="padding-left: 20px;">Address of Applicant :PLOT, PL-11,M.I.D.C. ADDL, AMBERNATH, DIST.THANE-421 506 Maharashtra India</p> <p>(72)Name of Inventor :</p> <p>1)SIVA KUMAR VENKATA BOBBA</p> <p>2)SHRUTI U. BHAT</p> <p>3)ALOK PRAMOD TRIPATHI</p> <p>4)ANIS AHMED SHAIKH</p> <p>5)KISHORE UTTAM KOTHULE</p> <p>6)SUDIP DUTTA</p>
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(57) Abstract :

The present invention relates to the novel modified release pharmaceutical composition of Cefdinir comprising hydrophilic polymer and methods of preparation thereof, which would provide controlled release of the active ingredient.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2902/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :17/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : MODIFIED RELEASE COMPOSITION OF CEFPODOXIME PROXETIL

(51) International classification	:A61K31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GETZ PHARMA RESEARCH PVT. LTD.

Address of Applicant :PLOT,PL-11, M.I.D.C

.ADDL,AMBERNATH, DIST. THANE-421 506 Maharashtra
India

(72)Name of Inventor :

1)SIVA KUMAR VENKATA BOBBA

2)SHRUTI U. BHAT

3)ALOK PRAMOD TRIPATHI

4)ANIS AHMED SHAIKH

5)KISHORE VASANT HELGAR

6)NISHANT PRAKASHRAO BHADANE

(57) Abstract :

The present invention relates to the novel modified release pharmaceutical composition of Cefpodoxime proxetil comprising release modifier and methods of preparation thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2908/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :17/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF POLYMORPHIC FORM OF IMATINIB MESYLATE

(51) International classification

:C07D
401/04

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)STERLING BIOTECH LIMITED

Address of Applicant :43, ATLANTA BUILDING,
NARIMAN POINT, MUMBAI-400021 Maharashtra India

(72)Name of Inventor :

1)VARDHAN, ANAND

2)BELWAL, CHANDRAKANT

3)GOYAL, PRAVEEN KUMAR

4)BALTE, ANUP S.

(57) Abstract :

The present invention relates to a novel process for preparing polymorphic forms of imatinib mesylate. In particular, the invention relates to preparation of a and p forms of imatinib mesylate. More specifically, the present invention relates to preparation of both a and p forms of 4-[(4-methylpiperazin-1-yl)methyl]-A'-(4-methyl-3-[4-(pyridin-3-yl)pyrimidin-2-yl]amino}phenyl) benzamide methanesulphonic acid, employing anhydrous and hydrated form of a particular solvent.

No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2944/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR PREPARATION OF TAPENT ADOL AND INTERMEDIATES THEREOF

(51) International classification	:A61K 31/00	(71)Name of Applicant : 1)CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :CADILA HEALTHCARE LIMITED
(32) Priority Date	:NA	PLOT NO 26-29 & 31, DABHASA-UMARAY ROAD, VILL,
(33) Name of priority country	:NA	DABHASA- 391440,TAL.PADRA, DIST. VADODARA,
(86) International Application No	:NA	GUJARAT, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)DWIVEDI SHRIPRAKASH DHAR
(61) Patent of Addition to Application Number	:NA	2)PATEL DHIMANT JASUBHAI
Filing Date	:NA	3)SHAH ALPESH PRAVINCHANDRA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to process for preparation of tapentadol and intermediates thereof, In particular, the invention provides the process for the preparation of novel intermediates of tapentadol and their use for the preparation of tapentadol. Particularly, the present invention also provides processes for the preparation of pharmaceutically acceptable acid additions salts of tapentadol.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2990/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A QUINALDINE DERIVATIVE AND ITS PREPARATION

(51) International classification	:A61K 31/00	(71) Name of Applicant : 1)GHARDA,KEKI HORMUSJI
(31) Priority Document No	:NA	Address of Applicant :GHARDA HOUSE, 48 HILL ROAD,
(32) Priority Date	:NA	BANDRA (WEST), MUMBAI 400 050, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)GHARDA,KEKI HORMUSJI
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a bis-quinaldine compound of formula I and a process for the same. I wherein R2 is a substituent selected from the group consisting of H, C1- C20 straight or branched chain alkyl substituents, aromatic substituents, aliphatic substituents, combinations thereof and the like.

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2991/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A BIS-QUINOPHTHALONE AND A PROCESS FOR PREPARING THE SAME

(51) International classification	:C09B 67/54	(71) Name of Applicant : 1)GHARDA,KEKI HORMUSJI
(31) Priority Document No	:NA	Address of Applicant :GHARDA HOUSE, 48 HILL ROAD,
(32) Priority Date	:NA	BANDRA (WEST), MUMBAI 400 050, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)GHARDA,KEKI HORMUSJI
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a bis-quinophthalone pigment of Formula I, and a process for the same. wherein X1, X2, X3 and X4 are independently H or halogen preferably Cl or Br; R2 is substituent selected from the group consisting of H, C1 -C20 straight or branched chain alkyl substituents, aromatic substituents, aliphatic substituents, and combinations thereof

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2992/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PRODUCTION OF CARBON BLACK

(51) International classification	:C09C 1/50	(71)Name of Applicant : 1)ADITYA BIRLA NUVO LIMITED
(31) Priority Document No	:NA	Address of Applicant :ADITYA BIRLA CENTER S K
(32) Priority Date	:NA	AHIRE MARG, WORLI, MUMBAI 400030, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)JUAN RODRIGUEZ
(87) International Publication No	:N/A	2)RANJAN GHOSAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for producing surface modified carbon black is disclosed. The process comprises the step of treating carbon black with a sulfur compound in an amount in the range of 0.005% - 1 % of the carbon black to effect in-situ formation of surface groups to produce the surface modified carbon black which when combined with a polymer composition alters the carbon black-polymer interaction to decrease the hysteresis of the polymer composition. Further, the curing time required for polymer composition comprising the surface modified carbon black is less as compared to the curing time required for polymer composition comprising the unmodified carbon black. Figure 1 shows the curing curve A for polymer composition comprising the unmodified carbon black and curing curve B for polymer composition comprising the surface modified carbon black.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2993/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : THIN-FILM PV SOLAR CELLS AND PROCESS FOR MAKING THEM

(51) International classification	:H01L 31/18	(71) Name of Applicant : 1)RELIANCE INDUSTRIES LIMITED
(31) Priority Document No	:NA	Address of Applicant :3RD FLOOR, MAKER CHAMBER-IV
(32) Priority Date	:NA	222, NARIMAN POINT, MUMBAI-400021, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)AGARWAL UDAY
(87) International Publication No	:N/A	2)PATIL SWANAND
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for the preparation of a thin film having at least one layer of a predetermined thickness not exceeding 5 microns is provided such that the integrity of the thin film is preserved. The process for the preparation of such a thin film comprises the step of rolling at least one sheet. The step of rolling is preceded by a step of stacking at least one sheet on a substrate having a predetermined thickness. The process of stacking preferably includes the step of bonding at least one sheet to a substrate. The sheet is a metal, alloy or a combination thereof, the metal and the alloy being of metals selected from the groups IB, IIB, IIIA, IVA, IVB, VB and VIB.

No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2997/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : SOLVENT FREE SOLID STATE OXIDATIVE POLYMERIZATION FOR THE SYNTHESIS OF CONJUGATED POLYMERS

(51) International classification	:C08G18/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(32) Priority Date	:NA	Address of Applicant :POWAI, MUMBAI 400076,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KUMAR ANIL
(87) International Publication No	:N/A	2)KUMAR ANSHU
(61) Patent of Addition to Application Number	:NA	3)SINGH REKHA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A solid state oxidative polymerization process for the synthesis of conjugated polymers comprising mixing monomer selected from group of compounds of formula I, II, III, IV and V with an oxidizing agent selected from at least one ferric salts such as ferric chloride, ferric tosylate, bromine, sodium peroxy-disulphate and/or ammonium peroxydisulphate, wherein the polymerization is carried out in the absence of solvent.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2939/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITE PANELS

(51) International classification	:B32B27/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)SHAH AMIT
(32) Priority Date	:NA	Address of Applicant :15,SANCHETI ESTATE,SAVARKAR
(33) Name of priority country	:NA	NAGAR,OFF GANGAPUR ROAD, NASHIK-422 005,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	:N/A	1)SHAH AMIT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for the preparation of three dimensional, cost effective, light weight composite panels that also has aesthetic appeal involves the use of thermo-plastic polymers and filler materials. Thermo-plastic polymers are molded in to receptacles of different shapes and then filled with filler materials to obtain composite panels.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3016/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :25/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYNTHESIS GAS COOLER

(51) International classification

:C10J
3/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)THERMAX LIMITED

Address of Applicant :D-13, MIDC INDUSTRIAL AREA,
R.D. AGA ROAD, CHINCHWAD, PUNE-411019, Maharashtra
India

(72)Name of Inventor :

1)BASARGEKAR SUDHEER SHYAMRAO

2)A. KRISHNAKUMAR

(57) Abstract :

A synthesis gas cooling system includes a heat exchanger assembly for facilitating heat exchange between the hot synthesis gases and cooling fluid and an online cleaning system. The heat exchanger assembly includes a steam drum, a first shell and a second shell. The first shell is provided with an inlet for receiving the hot synthesis gases and includes a first heat exchange section, a first operative bottom header, a first operative top header, and an outlet. The first heat exchange section facilitates heat exchange between the cooling fluid and the hot synthesis gas, for partially cooling synthesis gas, the remaining cooling of the synthesis gas takes place in the second heat exchange section disposed inside the second shell connected to the first shell via the connecting section. The online cleaning system transmits vibrations to the second heat exchange section for facilitating disengaging of ash adhering thereto, thereby causing online cleaning.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3019/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :25/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : DISTRIBUTOR PLATE ARRANGEMENT WITH EFFICIENT ASH REMOVAL AND HEAT RECOVERY SYSTEM

(51) International classification	:F23J15/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)THERMAX LIMITED
Address of Applicant :D-13, MIDC INDUSTRIAL AREA,
R.D. AGA RAOD, CHINCHWAD, PUNE - 411019,
MAHARASHTRA,INDIA
(72)**Name of Inventor :**
1)SINGH GHANSHYAM
2)MARATHE ASMITA MAYURESH
3)GUPTA DEVKUMAR
4)MITRA CHAITANYA B

(57) Abstract :

A distribution arrangement for a fluidized bed gasification system is disclosed. The distribution arrangement includes a distribution plate, an air/O₂ and steam distribution plenum and a hopper assembly. The distribution plate supports the combustible material thereon. The air/ O₂ and steam distribution plenum is disposed inside a combustion/ gasification chamber. The air/ O₂ and steam distribution plenum has a plurality of through vertical passages for ash removal. The hopper assembly is disposed below the air/ O₂ and steam distribution plenum and recovers heat from the ash moving down through the hopper assembly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3128/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :04/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A LOW NOISE AND LOW LOSS FAN COVER SYSTEM

(51) International classification	:F28D15/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CROMPTON GREAVES LIMITED
(32) Priority Date	:NA	Address of Applicant :CG HOUSE,6TH FLOOR,DR.ANNIE
(33) Name of priority country	:NA	BESANT ROAD, WORLI,MUMBAI- 400 030,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)BHATIA DINESH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A low noise and low loss fan cover system, said fan cover comprising an operative lower circular portion housing a fan, characterised in that, the fan centre is horizontally offset from the centre of said lower circular portion of said fan cover, said offset being in a direction pre-defined in accordance with fan rotation direction, thereby providing an expanding substantially circular channel defined between the perimeter of the fan and the perimeter of the fan cover.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3134/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : MANUAL DRIVEN POWER GENERATOR

(51) International classification	:B60K1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VINAYAK SHANKAR BANDBE
(32) Priority Date	:NA	Address of Applicant :AT POST JAKI MIRYA,
(33) Name of priority country	:NA	VARCHIWADI, TAL & DIST- RATNAGIRI Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VINAYAK SHANKAR BANDBE
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In order to overcome the drawbacks of the conventional fuels it is the need of time to completely or partially generate electricity with natural resources in and around our surroundings where we live. But complete replacement is not possible, but to enhance energy production we need to innovative which can partially help generate electricity this we thought as available manual energy that is manual labours which is cheap and can be used by implementing the project. We are using available manual energy to rotate the alternator connected to it and produce electricity. Production cost is very less (labour cost + maintenance cost which is Cheap in India) it is also safe to use. Another advantage is that it can be run by less modification at the available infrastructure / Facilities at site.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3156/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITION AND METHOD OF MANUFACTURING OF EXFOLIATING MICROPELLETS FOR ORAL & PERSONAL CARE PRODUCTS

(51) International classification	:A23G 4/00	(71)Name of Applicant : 1)MR. RAJKUMAR BUDHRAJA
(31) Priority Document No	:NA	Address of Applicant :2B/34 WINDMERE BLDG., NEW
(32) Priority Date	:NA	LINK ROAD, NEAR OSHIWARA POLICE STATION,
(33) Name of priority country	:NA	ANDHERI-WEST, MUMBAI 400 053 Maharashtra India
(86) International Application No	:NA	2)MR. UMANG BUDHRAJA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)MR.RAJKUMAR BUDHARAJA
(61) Patent of Addition to Application Number	:NA	2)MR. UMANG BUDHRAJA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The composition and method of manufacturing of exfoliating micropellets provides the details of exfoliating micropellets to be used in carrier like hand wash, body wash, face wash, liquid soap, gel, cream, for the purpose of removal of dead outer layer of skin. It also can be used as an abrasive agent in dentifrice cream. The exfoliating micropellets may contain suitable humectants, antimicrobial, antiacne, antiwrinkle, antiageing, whitening agent, either singly or in combination. The exfoliating micropellets may contain suitable colorant,dies & pigments which may be approved, synthetic or natural colors, and they may also contains suitable flavors either natural or synthetic. The exfoliating micropellets may also be suitably coated with waxes like bees wax, carnuba wax, hard paraffin and such other available waxes either singly or in combination for an extra therapeutic action that of smoother exfoliation and emollient, and improved stability

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2011

(21) Application No.3157/MUM/2011 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITION AND METHOD OF MANUFACTURING OF MICRO SPHERES FOR DIFFERENT APPLICATIONS LIKE TABLET COMPRESSION, CAPSULE FILLING OR BULK PACKING

(51) International classification	:A61K 9/14	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MR.RAJKUMAR BUDHRAJA
(32) Priority Date	:NA	Address of Applicant :2B/34 WINDMERE BLDG., NEW
(33) Name of priority country	:NA	LINK ROAD, NEAR OSHIWARA POLIC STATION,
(86) International Application No	:NA	ANDHERI-WEST, MUMBAI 400 053 Maharashtra India
Filing Date	:NA	2)MR.UMANG BUDHRAJA
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)MR.RAJKUMAR BUDHRAJA
Filing Date	:NA	2)MR. UMANG BUDHRAJA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The composition & method of manufacturing of the directly compressible material provides a innovative method for the manufacturing of directly compressible material for the manufacturing of tablets, and also for the smoother filling into the hard gelatin capsule. The invention provides the directly compressible material with nearly round spheres, which due to the round shape provides the advantages such as: Uniform, smooth and continuous flow facilitating uniform weight of tablet compressed and capsule filled; and Nearly round spheres ensures better interlocking assisting in uniform hardness to the tablet providing uniform disintegration and ultimately uniform dissolution. The present invention is suitable for converting active pharmaceutical ingredient, nutraceuticals, microneutrients, salts, vitamins, and also the blend of excipients as per the requirement of the formulation into the directly compressible material providing advantages of improved physical quality standards e.g. individual weight variation, hardness, disintegration and dissolution.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3158/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITION AND METHOD OF MANUFACTURING OF MICROFILMS OF VARIOUS THERAPEUTICALLY ACTIVE AGENTS DISPENSING INTO HARD GELATIN CAPSULE AND TABLET

(51) International classification	:B01J13/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MR. RAJKUMAR BUDHRAJA
(32) Priority Date	:NA	Address of Applicant :2B/34 WINDMERE BLDG., NEW
(33) Name of priority country	:NA	LINK ROAD, NEAR OSHIWARA POLICE STATION,
(86) International Application No	:NA	ANDHERI-WEST, MUMBAI- 400 053 Maharashtra India
Filing Date	:NA	2)MR.UMANG BUDHRAJA
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)MR. RAJKUMAR BUDHRAJA
Filing Date	:NA	2)MR. UMANG BUDHRAJA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides the composition and method of dispensing the pulverized and/or different shape of film with active therapeutic agent for dispensing into the hard gelatin capsule or tablets. The dried film pulverized using suitable film pulverizer or cut into different shapes like triangles, heart, diamond, square, rectangle, rhombus, pentagons, hexagons, oval, star and circles with a punching machine. There are various films forming polymers having distinct property of optimum pH for the dissolution of the film releasing the particular drug at required pH. The distinct property of various polymers releasing the medicament at predetermine pH is made use of in formulating this novel drug delivery system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3159/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITION COMPRISING MULTIPLE LAYERED FILMS SUSPENDED IN CARRIER

(51) International classification	:A61F13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MR. RAJKUMAR BUDHRAJA
(32) Priority Date	:NA	Address of Applicant :2B/34 WINDMERE BLDG., NEW
(33) Name of priority country	:NA	LINK ROAD, NEAR OSHIWARA POLICE STATION,
(86) International Application No	:NA	ANDHERI-WEST, MUMBAI 400053 Maharashtra India
Filing Date	:NA	2)MR.UMANG BUDHRAJA
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)MR. RAJKUMAR BUDHARAJA
Filing Date	:NA	2)MR. UMANG BUDHRAJA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A composition containing double or multiple layered films either containing one or more functional material embedded in the film/films and functional material sprayed/poured in between two films, suspended in carrier. Thus the composite film is formed with multiple functional materials in multiple layered films. The multilayer film of the present invention is used in oral / Home and personal care products, pharmaceutical, nutraceutical/microneutrient, cosmeceutical, organic and inorganic material and such other industrial products.

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3160/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : HYBRID ANTENNA

(51) International classification	:H01Q 21/29	(71) Name of Applicant : 1)MEDIA TEK INC Address of Applicant :NO. 1, DUSING RD. 1ST ., SCIENCE- BASED INDUSTRIAL PARK, HSINCHU 300, TAIWAN,
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)KUO-FONG HUNG
Filing Date	:NA	2)SHIH-WEI HSIEH
(87) International Publication No	:N/A	3)SHYH-TRING FANG
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wireless communication device is provided with a baseband chip capable of coordinating operations between circuit-switched (CS) and packet-switched (PS) services with different subscriber identity cards. The baseband chip is configured to perform a packet switched (PS) data service associated with a second service network, and sacrifice a portion of data transceiving from/to the second service network to monitor a channel associated with a first service network during the PS data service, so as to receive messages from the first service network or maintain mobility in the first service network.

No. of Pages : 103 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3161/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHODS FOR COORDINATING COMMUNICATION OPERATIONS ASSOCIATED WITH RESPECTIVE SERVICE NETWORKS AND APPARATUSES USING THE SAME

(51) International classification	:H04L 29/08	(71)Name of Applicant : 1)MEDIA TEK INC. Address of Applicant :3F-6,NO.79,SEC.4,CHONGQING N.RD.,SHILIN DIST, TAIPEI CITY 111, R.O.C. Taiwan
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)HUNG-YUEH CHEN
(33) Name of priority country	:NA	2)CHIA-YI HUANG
(86) International Application No	:NA	3)YEN- CHENG LAI
Filing Date	:NA	4)YI-TING CHANG
(87) International Publication No	:N/A	5)YUN-HSUAN CHANG
(61) Patent of Addition to Application Number	:NA	6)CHANG- KUAN LIN
Filing Date	:NA	7)CHIH-YUNG SHIH
(62) Divisional to Application Number	:NA	8)SIAN-JHENG WONG
Filing Date	:NA	9)KUEI -YI HSIEH
		10)MING- WAN HSU
		11)HUNG-WEI SHIH
		12)JUI-PING LIEN

(57) Abstract :

A hybrid antenna is provided in the invention. The hybrid antenna comprises a printed circuit board (PCB), first and second traces, and a stamping element. The printed circuit board comprises a ground plane and a substrate. The first trace and second traces are disposed on a surface of the substrate. The stamping element comprises a main radiator disposed on a virtual plane which is substantially parallel to the surface and is different from the surface, and first and second holders, wherein the main radiator is coupled to the first trace through the first holder and is coupled to the second trace through the second holder.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3166/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN IMPROVED HEAT EXCHANGER

(51) International classification	:F24H 1/43	(71)Name of Applicant : 1)CROMPTON GREAVES LIMITED
(31) Priority Document No	:NA	Address of Applicant :CROMPTON GREAVES LTD., CG
(32) Priority Date	:NA	HOUSE,6TH FLOOR, DR.ANNIE BESANT ROAD,WORLI,
(33) Name of priority country	:NA	MUMBAI-400 030, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SAXENA AMRITA
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved heat exchanger comprising a plurality of contorted poly-sided tubes bundled together in a parallel configuration with respect to each other in order to allow entry of air from one end of the tubes which travels along the whole length in such a manner so as to create turbulence in the air flow.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3168/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AUTOMATED TEST EXECUTION PLAN DERIVATION SYSTEM AND METHOD

(51) International classification	:G06F 11/36	(71) Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant :NIRMAL BUILDIANG,9TH FLOOR, NARIMAN POINT,MUMBAI 400021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)CHAKRABORTY,SOHAM SUNDAR
(87) International Publication No	:N/A	2)SHAH, VIPUL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method is disclosed that has the ability to automatically derive a test execution plan for parallel execution of test cases, while considering the complex dependencies across the test cases and preserving the semantics of test execution. The execution plan, so generated, provides for balanced workload distribution and scheduling of the test cases for improving the test execution cycles of the test suites in a cost effective manner.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3003/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : FLUX SHIFT DEVICE WITH ELECTRICAL RESET MECHANISM AND A METHOD THEREOF

(51) International classification	:G01R33/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LARSEN & TOUBRO LIMITED
(32) Priority Date	:NA	Address of Applicant :L&T HOUSE, BALLARD ESTATE,
(33) Name of priority country	:NA	MUMBAI - 400 001, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GOURI SHANKAR SHARMA
(87) International Publication No	:N/A	2)MAHENDRA C DAVE
(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 flux shift device configured with electric reset mechanism comprising a plurality of copper tubes attached to a rigid frame, a permanent magnet covered by the copper tubes, a flux diverter connected to the permanent magnet, a movable magnet with a spring mounted at a tail of the movable magnet, a brass tube enclosing the movable magnet, a pair of a demagnetizing coil and a reset coil in a dual coil housing, wherein the demagnetizing coil demagnetizes the permanent magnet thereby enabling tripping operation and the reset coil electrically resets the movable magnet.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3006/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN AIR HUMIDIFICATION SYSTEM OF A FUEL CELL STACK AND METHOD THEREOF

(51) International classification	:H01M8/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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)RAJA MUNUSAMY

2)BHUT BHAVESHKUMAR DHIRAJLAL

3)YOGESHA SANKENHALLI ANNEGOWDA

(57) Abstract :

The present disclosure relates to an air humidification system of a fuel cell stack. The system comprises at least one heat exchanger having an air inlet manifold and air outlet manifold wherein said air inlet manifold and said air outlet manifold are fluidly connected for supplying the air and a coolant inlet manifold and coolant outlet manifold wherein said coolant inlet manifold and said coolant outlet manifold are fluidly connected to supply the coolant characterized in that the air inlet manifold comprises: a water dispensing tube placed concentrically inside the manifold wherein said water dispensing tube consists of plurality of perforations on its circumference for sprinkling the water; a slot tube placed concentrically in between the water dispensing tube and the manifold and a porous matrix sheet covered around the slotted tube for humidifying the air.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3141/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : HIGH PERFORMING ARC CHUTE ARRANGEMENT USING GRAPHITE IN LOW VOLTAGE SWITCHGEAR DESIGN

(51) International classification	:H01H71/24
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)LARSEN & TOUBRO LIMITED
Address of Applicant :L & T House Ballard Estate Mumbai
400 001 State of Maharashtra India
(72)**Name of Inventor :**
1)PURANDARE Kedar R.;
2)AHMED Naim;

(57) Abstract :

An arc chute arrangement for a circuit breaking device comprising a pair of separable contacts, forming an arc upon separation, due to the flow of fault current in the circuit, and an arc chute segment with plurality of deion plates spaced apart with air gaps, to move away the arc from the contacts and split it up between the gaps of deion plates and quenching the arc preventing further damage by the fault current. Deion plates are made of different material types, and arranged in different combination to increase the durability of the deion plates in a circuit breaker.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3153/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A TOOL, FOR REGAINING OF BUSHING INNER DIAMETER, AND AN APPARATUS USING SAID TOOL.

(51) International classification	:E21B	(71)Name of Applicant :
(31) Priority Document No	23/00	1)CROMPTON GREAVES LIMITED
(32) Priority Date	:NA	Address of Applicant :CG HOUSE,6TH FLOOR,DR.ANNIE
(33) Name of priority country	:NA	BESANT ROAD,WORLI,MUMBAI 400 030,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)JADHAV RAJENDRA
(61) Patent of Addition to Application Number	:NA	2)PATIL NARENDRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A tool, for regaining of bushing inner diameter, after fitment in piston groove, said tool being an elongate, substantially cylindrical, rod with predefined segments of body across its length in order to facilitate its smooth entry into the bushing and further matching the tool outer diameter with said bushing inner diameter, said tool comprises: a first operative bottom region such that it tapers from its operative top to its operative bottom end with an operative top portion adapted to match said inner diameter of said bushing, and with a tapered region ensuring traverse of said tool through said bushing; and a second operative middle region being a shaft member with its diameter relatively lesser than said first operative bottom region, said second operative middle region being a load transfer member of said tool.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3154/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : IMPROVED ROTOR LAMINATIONS AND AXIALLY VENTILATED MACHINES, THEREOF

(51) International classification

:H02K
1/22

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)CROMPTON GREAVES LIMITED

Address of Applicant :CROMPTON GREAVES LTD, CG
HOUSE,6TH FLOOR, DR.ANNIE BESANT ROAD,WORLI,
MUMBAI-400 030, MAHARASHTRA, INDIA.

(72)Name of Inventor :

1)PANDYA ANKIT

2)UPADHYAY AMARENDRA

(57) Abstract :

An improved rotor lamination comprising vent holes surrounding an axial hole, with a plurality of rotor laminations stacked to form a rotor, characterised in that, said vent holes are serrated vent holes, with serrations at their circumferential edges. There is also provided an axially ventilated machine consisting of stacked improved rotor laminations.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3155/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR ONLINE ESTIMATION OF SPEED-LOAD CHARACTERISTICS FOR INTEGRATED POWER ELECTRONICS AND VARIABLE SPEED GENERATOR

(51) International classification	:H02J 3/18,G06Q 99/00	(71) Name of Applicant : 1)CROMPTON GREAVES LIMITED Address of Applicant :CG HOUSE,6TH FLOOR, DR.ANNIE BESANT ROAD,WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)HASSAN HAFIZ IMTIAZ
(33) Name of priority country	:NA	2)SAHA RAJA
(86) International Application No	:NA	3)WACHASUNDAR SHRIPAD
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for online estimation of speed-load characteristics for integrated power electronics and variable speed generator, said system comprises: initialisation means adapted to provide initial readings for maximum speed and corresponding total harmonic distortion value of said generator; step defining means adapted to define steps of incremental speed values for said generator; tolerance band defining means adapted to define a tolerance band for percentage change in total harmonic distortion value per unit increment step of speed of said generator in order to provide a defined value; monitoring means adapted to monitor total harmonic distortion value in a real-time manner; computation means adapted to compute change in total harmonic distortion value per unit increment step of speed of said generator in order to provide a computed value; comparator means adapted to compare said computed value with said defined value; and speed changing means adapted to change speed of said generator in relation to output of comparator to obtain an optimum speed of said generator such that corresponding computed value is less than said defined value.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.446/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : NEW ENDOLYSIN OBPGLYS

(51) International classification	:C12N 9/36, A61K 38/46
(31) Priority Document No	:09168527.1
(32) Priority Date	:24/08/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/062351
Filing Date	:24/08/2010
(87) International Publication No	:WO/2011/023702
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KATHOLIEKE UNIVERSITEIT LEUVEN, K. U.

LEUVEN R & D

Address of Applicant :MINDERBROEDERSSTRAAT 8A-BUS 5105, B-3000 LEUVEN Belgium

2)LYSANDO HOLDING AG

(72)Name of Inventor :

1)BRIERS, YVES

2)LAVIGNE, ROB

3)WALMAGH, MAARTEN

4)MILLER, STEFAN

(57) Abstract :

The present invention relates to a polypeptide with an amino acid sequence according to SEQ ID NO: 1 and fragments or derivatives thereof. The present invention further relates to fusion proteins comprising said polypeptide and an additional peptide stretch fused to said polypeptide at the N- or C-terminus. Moreover, the present invention relates to nucleic acid molecules encoding said polypeptide or fusion protein, vectors comprising said nucleic acid molecules and host cells comprising either said nucleic acid molecules or said vectors. In addition, the present invention relates to said polypeptide or fusion protein for use as a medicament, in particular for the treatment or prevention of Gram-negative bacterial infections, as diagnostic means, as cosmetic substance or as sanitizing agent. The present invention also relates to the use of said polypeptide or fusion protein for the treatment or prevention of Gram-negative bacterial contamination of foodstuff, of food processing equipment, of food processing plants, of surfaces coming into contact with foodstuff, of medical devices, of surfaces in hospitals and surgeries. Furthermore, the present invention relates to a pharmaceutical composition comprising said polypeptide or fusion protein.

No. of Pages : 50 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2922/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :18/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : FLUSHING COMPOSITIONS AND THE PROCESS FOR EASILY DISPERSIBLE PIGMENT PREPARATIONS

(51) International classification	:C09D	(71)Name of Applicant :
(31) Priority Document No	11/02	1)HEUBACH COLOUR PVT.LTD.
(32) Priority Date	:NA	Address of Applicant :PLOT NO.9002-9010,PHASE VI,
(33) Name of priority country	:NA	GIDC ANKLESHWAR-393002,GUJARAT, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NATU VINAYAK MAHADEO
(87) International Publication No	:N/A	2)CHANDRASHEKARA MELKOTE NARASIMHA
(61) Patent of Addition to Application Number	:NA	MURTHY
Filing Date	:NA	3)PAWASHE ANNASAHEB BHOMANI
(62) Divisional to Application Number	:NA	4)NAIR JITHESH VIJAYMOHAN
Filing Date	:NA	

(57) Abstract :

A flushing composition useful for the production of easily dispersible pigment preparations is disclosed herein. The said composition comprises a low melting alkanol, particularly fatty alcohol i.e. C12 to C25 or a combination of low melting alkanols optionally with other classes of components. The said flushing composition is having melting point in the range of 22° C to 85° C. A method for the production of pigment preparations by using the flushing composition of the invention is also disclosed herein. The pigment preparation of the invention is easily dispersible and having wide compatibility with various resin systems and solvents making suitable for paints, coatings and inks.

No. of Pages : 27 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3030/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :25/10/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : BANKING SYSTEM

(51) International classification	:G06Q40/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)TATA CONSULTANCY SERVICES LIMITED
Address of Applicant :Nirmal Building 9th Floor Nariman
Point Mumbai Maharashtra India
(72)**Name of Inventor :**
1)AGARWAL Rahul
2)GOEL Vipin

(57) Abstract :

The present subject matter relates to a banking system (102) which includes a parsing module (212) to parse a number of positions corresponding to at least one registered entity. A position processing module (108) is configured to categorize each of the positions into a set of payables and receivables based on a credit or debit nature of each of the positions. A display module (214) is configured to provide an integrated view to display the set of payables and receivables.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3127/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :04/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : A LOW NOISE AND LOW LOSS FAN COVER SYSTEM

(51) International classification	:F28D21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CROMPTON GREAVES LIMITED
(32) Priority Date	:NA	Address of Applicant :CG HOUSE,6TH FLOOR,DR.ANNIE
(33) Name of priority country	:NA	BESANT ROAD, WORLI,MUMBAI- 400 030,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)BHATIA DINESH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A low noise and low loss fan cover system, said system comprises a substantially tubular component consisting of an inlet member at the operative lower front side of the tubular component, said inlet member being placed in front of a fan placed inside said fan cover such that there is direct communication of incoming air from said inlet member to said fan, and an exit member at the operative top front side of the tubular component such that the tubular component blends into the exit member for directing the air flow towards a heat exchanger, characterised in that, said fan comprises an enveloping curvilinear fan shroud adapted to curve operatively away from said fan into said inlet member of said fan cover with said curvilinear portion of said fan shroud extending away from said fan to form a substantially straight portion, forming a cylinder, said straight portion extending into said inlet member and being overlapped by the circumferential wall of said inlet member upto a pre-defined length.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.449/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ELECTRICAL BARRIER AND MOISTURE SEAL AND VISUAL INDICATOR OF PROPER INTERCONNECTION BOTH FOR AN IMPLANTED MEDICAL DEVICE

(51) International classification	:H01R 9/22
(31) Priority Document No	:61/242,460
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/048864
Filing Date	:15/09/2010
(87) International Publication No	:WO/2011/034879
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)DERINGER-NEY, INC.
Address of Applicant :NEY INDUSTRIAL PARK, 2
DOUGLAS STREET, BLOOMFIELD, CT 06002 UNITED
STATES OF AMERICA
(72)**Name of Inventor :**
1)BODY, GARTH, W.
2)ENGEL, AARON
3)DUBUC, DANA
4)SMITH, EDWARD, F., III
5)POPPY, MICHAEL, E.
6)GRANT, MICHAEL, E.

(57) Abstract :

Multiple seals, internal to a connector block, connect an implantable medical device to an implanted lead. The forces to engage and release the seal are derived from a rotating mechanism permitting insertion and withdrawal of the lead, as well as tightly sealing against fluid migration and providing electrical insulation between adjacent conductors of the lead and connector block. A lead insertion indicator, during implant of an implantable medical device, provides a visual indication the implanted leads are correctly inserted to a connector block, enabling the implanted medical device to deliver treatment or receive signals via the implanted leads. The insertion indicator may be viewable by mechanical or electrical mechanisms, and electrical indicators may be activated by a power source associated with the connector block or with a connector tool used to connect the lead to the connector block upon correct insertion of the lead.

No. of Pages : 83 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2011

(21) Application No.3136/MUM/2011 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SELF SUSTAINABLE ZERO INFLUENT AND ZERO DISCHARGE WASTE TO ENERGY SYSTEM AND METHOD FOR TREATING SUGAR FACTORY EFFLUENT AND DISTILLERY SPENT WASH

(51) International classification	:A23L1/236
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)TRANSCARB ENERGY PRIVATE LIMITED.
Address of Applicant :504,360 DEGREE BUSINESS PARK,
LBS MARG,MULUND WEST, MUMBAI-400080. Maharashtra
India
(72)Name of Inventor :
1)VIJAY KUMAR NARAYAN
2)SUBHASH MATHURVAISHYA
3)KRISHNAN NEELAKANTAN
4)PRADEEP KUBER

(57) Abstract :

A self-sustainable zero influent and zero discharge waste to energy system and method for treating sugar factory effluent and distillery spent wash, said system comprises: first Biomethanation and Anaerobic Digestion Module adapted to receive sugar factory effluent, press mud, and reverse osmosis reject water for obtaining biogas and organic digestate; second Biomethanation and Anaerobic Digestion Module adapted to receive distillery spent wash and liquid filtrate from Micro Strainer for obtaining biogas and dilute organic liquid effluent digestate; Biogas Cleanup Module for converting hazardous hydrogen sulphide in the biogas into elemental sulphur, and moisture-free Dry biogas; Biogas Engine Generator Module for producing electrical power, hot exhaust gas and hot water; Biogas Engine Exhaust Gas Waste Heat Recovery Module for producing Steam, and cooled exhaust gas for expulsion into atmosphere; Solid Fuel Module for producing solid fuel for a co-generation plant, liquid filtrate from Micro strainer for said second Biomethanation and Anaerobic Digestion Module; Hot condensate water from Solid Fuel Dryer returned in close loop to said Biogas Engine Exhaust Gas Waste Heat Recovery Module for producing steam; and Reverse Osmosis Waste Water Treatment Module for obtaining filtered effluent for reverse osmosis unit which outputs a first pre-defined portion of reverse osmosis usable water and a second remainder pre-defined portion of reverse osmosis reject effluent as feed to first Biomethanation and Anaerobic Digestion Module.

No. of Pages : 53 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.471/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : VARIABLE SPEED HYDROLIC PUMP APPARATUS AND METHOD

(51) International classification :F16D 31/02

(31) Priority Document No :12/728,509

(32) Priority Date :22/03/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/028434

Filing Date :15/03/2011

(87) International Publication No :WO/2011/119364

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SPX CORPORATION

Address of Applicant :13515 BALLANTYNE CORPORATE PLACE, CHARLOTTE, NC 28277, U.S.A.

(72)Name of Inventor :

1)MR. LANDRUM, MICHAEL, T

(57) Abstract :

An embodiment in accordance with the present invention provides a hydraulic pump including a first motor running at a fixed speed, a reservoir for fluid and a first pump operatively coupled to the motor such that the pump runs at the same speed as the motor and generates a flow of fluid from the reservoir. The hydraulic pump further includes a second motor, a speed control valve operatively coupled to the first pump and operatively coupled to the second motor such that a portion of the flow is directed to the second motor and the remainder of the flow is diverted to the reservoir, and a second pump operatively coupled to the second motor such that the second pump is driven by the second motor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.496/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ANTIBODIES AGAINST GLUCAGON RECEPTOR AND THEIR USE

(51) International classification	:C07K 16/28, C12N 5/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/KR2009/005084
Filing Date	:08/09/2009
(87) International Publication No	:WO/2011/030935
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEOPHARM CO. LTD.
Address of Applicant :928 Tamnip-dong Yuseong-gu
Daejeon 305-510 Republic of Korea
(72)**Name of Inventor :**
1)LEE Eunkyung
2)SEO Seong-Kyung
3)KIM Tae-Seong

(57) Abstract :

Disclosed are immunological compositions and methods for reducing activity of glucagon signaling using antibodies against glucagon receptor.

No. of Pages : 46 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.497/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MEDIA EXTRACTOR TRACKS FOR FILE FORMAT TRACK SELECTION□

(51) International classification :H04N 7/26
(31) Priority Document No :61/243,030
(32) Priority Date :16/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/049402
Filing Date :17/09/2010
(87) International Publication No :WO/2011/035211
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)QUALCOMM INCORPORATED
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714
UNITED STATES OF AMERICA
(72)Name of Inventor :
1)CHEN Ying
2)KARCZEWICZ Marta

(57) Abstract :

A video coding apparatus may be configured to utilize media extractors in a media extractor track that reference two or more non-consecutive network access layer (NAL) units of a separate track. An example apparatus includes a multiplexer to construct a first track including a video sample comprising NAL units based on encoded video data wherein the video sample is included in an access unit construct a second track including an extractor that identifies at least first one of the NAL units in the video sample of the first track and wherein the extractor identifies a second NAL unit of the access unit wherein the first identified NAL unit and the second identified NAL unit are non-consecutive and include the first track and the second track in a video file conforming at least in part to ISO base media file format. The identified NAL units may be in separate tracks.

No. of Pages : 95 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.420/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHODS&NBSP; COMPOUNDS&NBSP; AND COMPOSITIONS FOR DELIVERING 1&NBSP;3-PROPANEDISULFONIC ACID

(51) International classification :C07C 309/05
(31) Priority Document No :61/232,597 (US)
(32) Priority Date :10/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2010/001229
Filing Date :06/08/2010
(87) International Publication No :WO/2011/017800
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BELLUS HEALTH INC.
Address of Applicant :275 Armand-Frappier Boulevard Laval
Quebec H7V 4A7 Canada
(72)Name of Inventor :
1)KONG Xianqi
2)LEVENS Nigel
3)BOUZIDE Abderrahim
4)CIBLAT Stphane
5)FRENETTE Richard
6)RENAUD Johanne

(57) Abstract :

The invention relates to methods compounds and compositions for delivering 1 3-propanedisulfonic acid (1 3PDS) in a subject preferably a human subject. The invention encompasses compounds that will yield or generate 1 3PDS either in vitro or in vivo. The invention also relates to sulfonate ester prodrugs of 1 3PDS as well as Gemini dimmers and oligomers of 1 3PDS for the prevention or treatment of associated diseases and conditions

No. of Pages : 131 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.504/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR FORMING ANODIZED LAYER&NBSP; METHOD FOR PRODUCING MOLD&NBSP; METHOD FOR PRODUCING ANTIREFLECTIVE FILM&NBSP; AND MOLD AND ANTIREFLECTIVE FILM□

(51) International classification	:C25D 11/12, B29C 33/38
(31) Priority Document No	:2009-204894
(32) Priority Date	:04/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/064798
Filing Date	:31/08/2010
(87) International Publication No	:WO/2011/027746
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHARP KABUSHIKI KAISHA

Address of Applicant :22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan

(72)Name of Inventor :

1)ISURUGI Akinobu

2)MINOURA Kiyoshi

3)IMAOKU Takao

(57) Abstract :

An anodized layer formation method of the present invention includes the steps of: (a) providing an aluminum base (10) which has a surface (18s) that is made of aluminum; (b) anodizing the surface (18s) to form a barrier-type alumina layer (12); and (c) after step (b) further anodizing the surface (18s) to form a porous alumina layer (14) which has a plurality of minute recessed portions (14p).

According to the present invention a method is provided that enables formation of a porous alumina layer which has an interpore distance of a desired magnitude with the use of an aluminum base which has a surface that is made of aluminum irrespective of the surface form.

No. of Pages : 81 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.505/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : APPARATUS FOR PREVENTING STRIP WALKING

(51) International classification	:B21C 47/34
(31) Priority Document No	:2009-212926
(32) Priority Date	:15/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066473
Filing Date	:15/09/2010
(87) International Publication No	:WO/2011/034204
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)JFE STEEL CORPORATION

Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyoda-ku Tokyo 100-0011 Japan

(72)Name of Inventor :

1)YAMASHITA Koji

2)NARA Tadashi

3)HATAKEYAMA Seishi

(57) Abstract :

Provided is a slit band plate meandering preventing device capable of stabilizing slit band plates on the center side of a conveying line. The slit band plate meandering preventing device passes, by a pinch roller, slit band plates (S1, S2) formed by slitting one strip of band plate (S) extending over the full width into two strips in a conveying line. The pinch roller includes: a lower roller (12) for supporting the lower surfaces of the slit band plates; and an upper roller (11) touching the upper surface of the slit band plates and allowing the slit band plates to approach the center line side by an outside partial depression or an inward skew angle. The device is also provided with an edge guide (1) that is positioned within a nip held between the upper and lower rollers of the pinch roller and/or in the vicinity of the nip and is used for guiding the center line edges of the slit band plates. In background technology, it has been impossible to stabilize slit band plates on the center side of a conveying line, without damaging the edges of the band plates or without using a complicated control system. Furthermore, it has been difficult to stably pass the plates during a non-steady plate passage, such as when passing the tail ends of the plates after being cut.

No. of Pages : 45 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.513/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR TREATING SEWAGE SLUDGE

(51) International classification	:C02F 11/06, C01B 3/32
(31) Priority Document No	:61/238,170
(32) Priority Date	:30/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000710
Filing Date	:30/08/2010
(87) International Publication No	:WO/2011/024177
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Technion Research & Development Foundation Ltd.

Address of Applicant :Senate House Technion City 32000 Haifa Israel.

(72)Name of Inventor :

1)BORODYANSKI Genady

2)KIRZHNER Felix

3)ZIMMELS Tomer (legal representative of the ZIMMELS YORAM (deceased)

(57) Abstract :

A method and system for treating sewage sludge are described herein. A carbonaceous fuel is mixed with sewage sludge the mixture is then gasified and the obtained gas is combusted. The method and system may utilize wet sewage sludge.

No. of Pages : 32 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.479/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR METHANOL AND AMMONIA CO-PRODUCTION□

(51) International classification :C07C 29/151

(31) Priority Document No :09075380.7

(32) Priority Date :20/08/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/005114

Filing Date :17/08/2010

(87) International Publication No :WO/2011/020618

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant :P.O. Box 5101 11422 Riyadh Saudi Arabia

(72)Name of Inventor :

1)AHMED Ijaz

(57) Abstract :

This invention relates to a process for co-producing methanol and ammonia wherein a syngas mixture consisting essentially of carbon monoxide (CO) carbon dioxide (CO₂) and hydrogen (H₂) is first partially reacted in a methanol once-through reactor unreacted syngas is divided into a first and a second stream the first stream is purified and fed to an ammonia synthesis section and the second stream is fed to a methanol synthesis and purification section. With this process it is possible to produce methanol and ammonia at very high capacities in an integrated single process applying unit operations not exceeding current practical capacity limitations. For example the process allows production of 8000 mtpd of methanol and 2000 mtpd of ammonia starting from natural gas and air. The process further shows a balanced production of ammonia and carbon dioxide thus allowing co-production of urea also to be integrated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.589/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MESOPOROUS CARBON SUPPORTED TUNGSTEN CARBIDE CATALYSTS&NBSP;
PREPARATION AND APPLICATIONS THEREOF

(51) International classification	:B01J 27/22	(71)Name of Applicant :
(31) Priority Document No	:200910188221.5	1)DALIAN INSTITUTE OF CHEMICAL PHYSICS
(32) Priority Date	:27/10/2009	CHINESE ACADEMY OF SCIENCES
(33) Name of priority country	:China	Address of Applicant :457 Zhongshan Road Dalian Liaoning
(86) International Application No	:PCT/CN2010/077981	116023 China
Filing Date	:22/10/2010	(72)Name of Inventor :
(87) International Publication No	:WO/2011/050691	1)ZHANG Tao
(61) Patent of Addition to Application	:NA	2)ZHANG Yanhua
Number	:NA	3)WANG Aiqin
Filing Date	:NA	4)ZHENG Mingyuan;
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A supported tungsten carbide catalyst comprises tungsten carbide as its active component and a mesoporous carbon as its support wherein tungsten carbide is highly dispersed on the surface and in the channels of the mesoporous carbon and the content of tungsten element is in the range from 30% to 42% by mass based on the mesoporous carbon. This catalyst can be prepared by impregnation process. This catalyst can be used for the direct catalytic conversion of cellulose to ethylene glycol under the hydrothermal conditions and at a temperature of 245°C and the hydrogen pressure of 6 MPa with high reactivity selectivity and stability.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.590/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : BODY-WORN VITAL SIGN MONITOR

(51) International classification :A61B 5/00
(31) Priority Document No :12/560,087
(32) Priority Date :15/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/048866
Filing Date :15/09/2010
(87) International Publication No :WO/2011/034881
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SOTERA WIRELESS INC.
Address of Applicant :9444 Waples Street Suite 280 San Diego CA 92121 UNITED STATES OF AMERICA
(72)**Name of Inventor :**
1)MOON Jim
2)VISSER Henk
3)HUNT Robert
4)MCCOMBIE Devin
5)DHILLON Marshal
6)BANET Matt

(57) Abstract :

The invention provides a body- worn monitor featuring a processing system that receives a digital data stream from an ECG system. A cable houses the ECG system at one terminal end and plugs into the processing system which is worn on the patients wrist like a conventional wristwatch. The ECG system features: i) a connecting portion connected to multiple electrodes worn by the patient; ii) a differential amplifier that receives electrical signals from each electrode and process them to generate an analog ECG waveform; iii) an analog-to-digital converter that converts the analog ECG waveform into a digital ECG waveform; and iv) a transceiver that transmits a digital data stream representing the digital ECG waveform (or information calculated from the waveform) through the cable and to the processing system. Different ECG systems typically featuring three five or twelve electrodes can be interchanged with one another.

No. of Pages : 78 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.591/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : BODY-WORN MONITOR FOR MEASURING RESPIRATION RATE

(51) International classification :A61B 5/00
(31) Priority Document No :12/559,430
(32) Priority Date :14/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/048729
Filing Date :14/09/2010
(87) International Publication No :WO/2011/032132
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SOTERA WIRELESS INC.
Address of Applicant :9444 Waples Street Suite 280 San Diego CA 92121 United States Of America
(72)**Name of Inventor :**
1)McCOMBIE Devin
2)DHILLON Marshal
3)BANET Matt

(57) Abstract :

The invention provides a multi-sensor system that uses an algorithm based on adaptive filtering to monitor a patientTMs respiratory rate. The system features a first sensor selected from the following group: i) an impedance pneumography sensor featuring at least two electrodes and a processing circuit configured to measure an impedance pneumography signal; ii) an ECG sensor featuring at least two electrodes and an ECG processing circuit configured to measure an ECG signal; and iii) a PPG sensor featuring a light source photodetector and PPG processing circuit configured to measure a PPG signal.

No. of Pages : 99 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.600/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MACROCYCLIC INTEGRASE INHIBITORS□

(51) International classification	:A61K 31/547
(31) Priority Document No	:09172853.5
(32) Priority Date	:13/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/065300
Filing Date	:13/10/2010
(87) International Publication No	:WO/2011/045330
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ELANCO ANIMAL HEALTH IRELAND LIMITED

Address of Applicant :Eli Lilly and Company P.O. Box 6288
Indianapolis Indiana 46206-6288 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)Johannes Wilhelmus J.THURING

2)Jean-François BONFANTI

3)Jr'me Michel Claude FORTIN

(57) Abstract :

Compound having formula (I) wherein - W is NH-, -N(CH₃)- or piperazine, - X is a bond, -C(=O)- or S(=O)₂-, - Y is C₃-7alkylene, and - Z is NH-C(=O)- or O-, and pharmaceutically acceptable salts thereof, their pharmaceutical formulations and use as HIV inhibitors.

No. of Pages : 66 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.498/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PELLETIZING PRESS FOR PRODUCING PELLETS

(51) International classification	:B30B 11/22, B30B 11/20
(31) Priority Document No	:10 2009 047 811.6
(32) Priority Date	:30/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005984
Filing Date	:30/09/2010
(87) International Publication No	:WO/2011/038918
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)DIEFFENBACHER GMBH MASCHINEN- UND ANLAGENBAU

Address of Applicant :Heilbronnerstr. 20 75031 Eppingen Germany

(72)Name of Inventor :

1)NATUS Ginter

2)HEYMANNS Frank

3)HAAS Gernot von

(57) Abstract :

The invention relates to a pelletizing press for producing pellets (10) preferably from biomass (1) for use as fuel in fireplaces comprising at least one die (4) having a plurality of bores (13) for pressing the biomass (1) at least one roll (5) rolling on a rolling surface (19) of the die (4) and at least one drive device for the die (4) and/or the roll (5). The aim of the invention is to create a pelletizing press which makes it possible to use a die having as low a height as possible and thus as short a bore length as possible. The invention is characterized in that for mounting the die (4) a carrier plate (9) seated in a substantially planar manner against the die (4) is arranged downstream of the die (4) in the passage direction (12) of the biomass

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.506/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : THERMAL ENERGY STORAGE APPARATUS, ARRANGEMENT AND METHOD

(51) International classification :F03G 6/06
(31) Priority Document No :2009903818
(32) Priority Date :14/08/2009
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2010/001035
Filing Date :13/08/2010
(87) International Publication No :WO/2011/017767
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GNOMON TECHNOLOGIES PTY LTD
Address of Applicant :193 WEST TERRACE, ADELAIDE,
SOUTH AUSTRALIA 5000, AUSTRALIA
(72)**Name of Inventor :**
1)GLYNN, PATRICK
2)PARKINSON, NEIL

(57) Abstract :

A thermal energy storage apparatus adapted to receive heat source input for the development and substantially continuous supply of thermal energy to a Stirling engine for the transfer of said thermal energy to electrical and/or mechanical energy, even during periods when heat source input is intermittent or unavailable for a period of time. The apparatus includes a series of elongate canisters containing silicon metalloid and made of refractory material. The canisters are interlaced with a thermal energy absorbing material in communication with a wicking material to which the Stirling engine is in communication.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.585/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING AND DECODING IMAGE BY USING LARGE TRANSFORMATION UNIT□

(51) International classification :H04N 7/24
(31) Priority Document No :10-2009-0074895
(32) Priority Date :13/08/2009
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2010/005327
Filing Date :13/08/2010
(87) International Publication No :WO/2011/019234
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAMSUNG ELECTRONICS CO . LTD.
Address of Applicant :416 Maetan-dong Yeongtong-gu
Suwon-si Gyeonggi-do 442-742 Republic of Korea
(72)**Name of Inventor :**
1)LEE Tammy
2)HAN Woo-Jin
3)CHEN Jianle
4)JUNG Hae-Kyung

(57) Abstract :

Disclosed are an image encoding method and apparatus for encoding an image by grouping a plurality of adjacent prediction units into a transformation unit and transforming the plurality of adjacent prediction into a frequency domain and an image decoding method and apparatus for decoding an image encoded by using the image encoding method and apparatus.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.586/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : POLYMORPHIC AND PSEUDOPOLYMORPHIC FORMS OF A PHARMACEUTICAL COMPOUND□

(51) International classification :C07D 471/08

(31) Priority Document No :0904864

(32) Priority Date :09/10/2009

(33) Name of priority country :France

(86) International Application No :PCT/EP2010/065147
Filing Date :08/10/2010

(87) International Publication No :WO/2011/042560

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)FOREST LABORATORIES HOLDINGS LIMITED.

Address of Applicant :18 Parliament Street Milner House
Hamilton Bermuda HM12 Bermuda

2)NOVEXEL SA.

(72)Name of Inventor :

1)BHATTACHARYA Sisir

2)BONNET Alain

3)DEDHIYA Mahendra G.

4)DUCANDAS Veronique

5)GIULIANI Alexandre

6)PRIOUR Alain

7)RAVAUX Valerie

8)SPARGO Peter

(57) Abstract :

The invention relates to the sodium salt of (1R 2S 5R)-7-oxo-6-sulfooxy-1 6- diazabicyclo[3.2.1]octane-2-carboxamide in hydrated or anhydrous crystallized enantiomeric form and in particular in the novel crystallized polymorphic and pseudopolymorphic forms A B D and E defined in the application as well as the method of preparation. The compound of the invention can be used as a medicament in particular a beta-lactamase inhibitor.

No. of Pages : 63 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.588/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : 2-PYRIDONE COMPOUNDS USED AS INHIBITORS OF NEUTROPHIL ELASTASE□

(51) International classification :C07D 213/64

(31) Priority Document No :61/248,081

(32) Priority Date :02/10/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/GB2010/051589

Filing Date :22/09/2010

(87) International Publication No :WO/2011/039528

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)ASTRAZENECA AB

Address of Applicant :SE 151 85 Sodertalje Sweden

(72)Name of Inventor :

1)MURUGAN Andiappan

2)ASHTON Mark

3)BERGSTROM Lena Kristina

4)KRISTOFFERSSON Anna

5)LINDSJO Martin

6)SJO Peter Olof

7)MEIGH Jon

(57) Abstract :

The invention provides compounds of formula (I) wherein R1 R3 R4 R5 R6 R7 L X and Y are as defined in the specification; together with processes and intermediates for their preparation pharmaceutical compositions containing them and their use in therapy. The compounds are inhibitors of human neutrophil elastase.

No. of Pages : 79 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.598/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AKT INHIBITORS□

(51) International classification	:C07D 471/04
(31) Priority Document No	:61/254,308
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053295
Filing Date	:20/10/2010
(87) International Publication No	:WO/2011/050016
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ELI LILLY AND COMPANY

Address of Applicant :Lilly Corporate Center City of Indianapolis State of Indiana 46285 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)Douglas Wade BEIGHT

2)Timothy Paul BURKHOLDER

3)Joshua Ryan CLAYTON

4)Morijean EGGEN

5)Kenneth James HENRY Jr.

6)Deidre Michelle JOHNS

7)Saravanan PARTHASARATHY

8)Huaxing PEI

9)Mark Edward REMPALA

10)Jason Scott SAWYER

(57) Abstract :

The present invention provides AKT inhibitors of the formula: Formula I The present invention also provides pharmaceutical compositions comprising compounds of Formula I uses of compounds of Formula I and method of using compounds of Formula I.

No. of Pages : 138 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.480/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR MAKING POLYETHYLENE TEREPHTHALATE□

(51) International classification	:C08G 63/78, C08G 63/80
(31) Priority Document No	:09075379.9
(32) Priority Date	:20/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/005115
Filing Date	:17/08/2010
(87) International Publication No	:WO/2011/020619
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant :P.O. Box 5101 11422 Riyadh Saudi Arabia

(72)Name of Inventor :

1)BASHIR Zahir

2)AL-MUNIF Munif

3)RAO Mummaneni Venkateswara

4)PADMANABHAN Suresh

(57) Abstract :

The invention relates to a process for making polyethylene terephthalate (PET) from ethylene glycol (EG) purified terephthalic acid (PTA) and optionally up to 6 mol% comonomer using a mixed metal catalyst system and comprising the steps of a) esterifying EG and PTA to form diethyleneglycol terephthalate and oligomers (DGT) and b) melt-phase polycondensing DGT to form PET and EG wherein the catalyst system substantially consists of 70-160 ppm of Sb- compound 20-70 ppm of Zn-compound and 0.5-20 ppm of Ti-glycolate as active components (ppm metal based on PET). With this process that applies reduced amount of metal catalyst components PET can be obtained with high productivity which polyester shows favourable colour and optical clarity also if recycling of EG is applied within the process.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.593/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR GENERATING A SELECTIVE DISTRIBUTION OF MEDIA CONTENT FEEDS□

(51) International classification	:H04H 20/71
(31) Priority Document No	:61/241,865
(32) Priority Date	:11/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045069
Filing Date	:10/08/2010
(87) International Publication No	:WO/2011/031403
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714
UNITED STATES OF AMERICA
(72)**Name of Inventor :**
1)FORUTANPOUR Babak
2)CLEARY Lawrence T.
3)ATER William C.
4)SANDS Marc L.

(57) Abstract :

Aspects relate to systems and methods for generating a selective distribution of media content feeds. A content server can identify a set of mobile video cameras or other sources for delivery to a mobile device based on a state of motion or orientation of the mobile device. Media content can be collected from video-equipped cellular devices capable of reporting their position bearing speed and other sensor data. In one aspect the position bearing and speed of the mobile device along with similar data for the media sources can be taken into account to generate a media envelope or included set of media devices to make available to the user. In one aspect the selected content can be based on the compass orientation of a sensor in the mobile device. In one implementation user preferences along with other access criteria can be used to further select content feeds.

No. of Pages : 60 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1486/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LEARNING SYSTEM FOR THE USE OF COMPETING VALUATION MODELS FOR REAL TIME ADVERTISEMENT BIDDING

(51) International classification	:G06Q30/00
(31) Priority Document No	:61/234,186
(32) Priority Date	:14/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045545
Filing Date	:13/08/2010
(87) International Publication No	:WO 2011/020076 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)DATAXU, INC.

Address of Applicant :281 SUMMER STREET, 5TH FLOORBOSTON, MASSACHUSETTS 02210 U.S.A.

(72)Name of Inventor :

1)SIMMONS, WILLARD, L.

2)CATANZARO, SANDRO, N.

(57) Abstract :

In embodiments of the present invention, improved capabilities are described for using a plurality of competing economic valuation models to predict an economic valuation for each of a plurality of advertisement placements, advertisements, and advertisement-advertisement placement combinations, in response to receiving a request to place an advertisement. The economic valuation model may be based at least in part on real-time event data, historic event data, user data, third-party commercial data, historical advertisement impressions, advertiser data, ad agency data, historical advertising performance data, and machine learning. Further, a computer program product, based on the methods and systems of the present invention, may evaluate each economic valuation produced by each of the plurality of competing economic valuation models to select one as a current valuation of an advertisement placement, advertisement, and/or advertisement-advertisement placement combination.

No. of Pages : 118 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1707/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CRANE

(51) International classification	:B66C15/00
(31) Priority Document No	:2011-043303
(32) Priority Date	:28/02/2011
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/060090
Filing Date	:25/04/2011
(87) International Publication No	:WO/2012/117573
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MITSUBISHI HEAVY INDUSTRIES, LTD.

Address of Applicant :16-5, KONAN 2-CHOME, MINATO-KU, TOKYO 1088215 Japan

(72)Name of Inventor :

1)UCHIDA, KOJI

2)MYOJIN, HISAYA

3)KUSANO, TOSHIYUKI

4)TANOUE, HIDEKI

(57) Abstract :

It is an object to provide a crane that reliably attains a seismic isolation effect also with respect to seismic force in a direction parallel to an extending direction of a rail when an earthquake occurs. The crane of the present invention comprises a crane body (1), a gantry traveling device (2) traveling along the rail (20) to move the crane body (1), a rail clamp (3) securing the gantry traveling device (2) to the rail (20) so as to prevent the gantry traveling device (2) from traveling along the rail (20), a seismic isolation system (13) provided between the crane body (1) and the gantry traveling device (2) and reducing seismic force input into the crane body (1) in the direction perpendicular to the extending direction of the rail (20), a sensor detecting the seismic force by cut-off of a shear pin of the seismic isolation system (13), and a clamp mechanism releasing the gantry traveling device secured to the rail (20) by the rail clamp (3) when the sensor detects the seismic force.

No. of Pages : 40 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2287/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR THE MANUFACTURE OF 3-DIBUTYLAMINO-6-METHYL-7-ANILINOFLUORAN

(51) International classification :C07D493/10

(31) Priority Document No :09168288.0

(32) Priority Date :20/08/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/061530

Filing Date :09/08/2010

(87) International Publication No :WO 2011/020726

A1

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056, LUDWIGSHAFEN Germany

(72)Name of Inventor :

1)O'NEIL, ROBERT, MONTGOMERY

(57) Abstract :

A process for the preparation of 3-dibutylamino-6-methyl-7-anilino-fluoran and a heating- and pressure sensitive recording material are claimed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2288/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HIGH SWIRL ENGINE

(51) International classification	:F02B31/00
(31) Priority Document No	:61/235,496
(32) Priority Date	:20/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/046095
Filing Date	:20/08/2010
(87) International Publication No	:WO 2011/022600 A2
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)PINNACLE ENGINES INC.
Address of Applicant :1300 INDUSTRIAL ROAD, SUITE
1A, SAN CARLOS, CALIFORNIA-94070 U.S.A.

(72)**Name of Inventor :**
1)CLEEVES, JAMES, M.
2)WILLCOX, MICHAEL, A.
3)JACKSON, SIMON, D.

(57) Abstract :

An internal combustion engine can include a combustion volume within a cylinder of an internal combustion engine. The combustion volume can be defined at least by a cylinder wall and a first piston in the cylinder. A swirl port can deliver a fluid into the combustion volume via a swirl port outlet such that the delivered fluid is directed around a periphery of the cylinder with a fluid velocity disposed at a predetermined angle away from tangential to a curve of the cylinder wall to generate a swirling motion in the combustion volume.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2289/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR PRODUCING LONG FIBER REINFORCED THERMOPLASTIC RESIN PELLETS

(51) International classification	:B29B9/14
(31) Priority Document No	:2009-217032
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066258
Filing Date	:17/09/2010
(87) International Publication No	:WO 2011/034187
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)

Address of Applicant :10-26, WAKINOHAMA-CHO, 2-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan

(72)Name of Inventor :

1)FUJIURA, TAKAYASU

(57) Abstract :

Disclosed is a method for producing long-fiber-reinforced thermoplastic resin pellets, comprising pultruding a plurality of reinforced fiber bundles in a molten thermoplastic resin while twisting the plurality reinforced fiber bundles to form a strand in which the reinforced fibers are coated with the thermoplastic resin, and cutting the strand to a predetermined length to form pellets, wherein the strand is pultruded under the conditions that the melt viscosity of the thermoplastic resin is adjusted such that the melt flow rate is 500 to 1500 g/10 min, and the twisting angle θ of the reinforced fiber bundles with respect to the pultruding direction of the strand is set as follows: $0^\circ < \theta$

No. of Pages : 27 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.116/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/01/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MULTIUSER SCHEDULING IN WLAN SYSTEMS

(51) International classification :H04W72/12

(31) Priority Document No :61/223,319

(32) Priority Date :06/07/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/041104

Filing Date :06/07/2010

(87) International Publication No :WO 2011/005791 A2

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)QUALCOMM INCORPORATED

Address of Applicant :ATTN: INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.

(72)Name of Inventor :

1)SAMPATH, HEMANTH

2)VERMANI, SAMEER

3)VAN NEE, RICHARD

4)ABRAHM, SANTOSH P.

5)VAN ZELST, ALBERT

(57) Abstract :

An apparatus for wireless communications is provided including a processing system. The processing system is configured to determine path-losses between the apparatus and a plurality of wireless nodes, to group the plurality of wireless nodes into sets based on the determined path-losses, and to exchange data with at least one of the wireless nodes in one of the sets.

No. of Pages : 30 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2017/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : UL-FFR-BASED SIGNAL TRANSMISSION METHOD

(51) International classification :H04W52/34

(31) Priority Document No :61/237,703

(32) Priority Date :28/08/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/KR2010/005616

Filing Date :28/04/2010

(87) International Publication No :WO 2011/025208 A3

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)LG ELECTRONICS INC.

Address of Applicant :20 YEOUIDO-DONG,
YEONGDEUNGPO-GU, SEOUL 150-721 Republic of Korea

(72)Name of Inventor :

1)CHO, HAN GYU

2)LEE, WOOK BONG

3)KIM, DONG CHEOL

(57) Abstract :

The present invention relates to a method for transmitting control information in a multi-cell based mobile communication system, the method comprising: extracting information on a fractional frequency reuse (FFR) pattern that represents whether terminal transmission power for a plurality of frequency resource groups is boosted to apply uplink fractional frequency reuse (UL FFR) to a particular cell; and broadcasting power control information that is configured separately by each of the plurality of frequency resource groups based on the extracted FFR pattern.

No. of Pages : 53 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2054/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ALLOY COMPOSITION FE-BASED NANO-CRYSTALLINE ALLOY AND FORMING METHOD OF THE SAME

(51) International classification	:C22C45/02
(31) Priority Document No	:2009-192887
(32) Priority Date	:24/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/062155
Filing Date	:20/07/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC TOKIN CORPORATION
Address of Applicant :7-1 Koriyama 6-chome Taihaku-ku
Sendai-shi Miyagi 982-8510 Japan
2)TOHOKU UNIVERSITY
(72)**Name of Inventor :**
1)URATA Akiri
2)YAMADA Yasunobu
3)MATSUMOTO Hiroyuki
4)YOSHIDA Shigeyoshi
5)MAKINO Akihiro

(57) Abstract :

An alloy composition of Fe(100-X-Y-Z)BXPYCuz where $4 = X = 14$ atomic % $0 < Y = 10$ atomic % and $0.5 = Z = 2$ atomic %. This alloy composition has an amorphous phase as a main phase. This alloy composition is used as a starting material and exposed to a heat-treatment so that nanocrystals comprising no more than 25 nm of bccFe can be crystallized. Thus an Fe-based nano-crystalline alloy having superior magnetic properties can be obtained.

No. of Pages : 41 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2109/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :07/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DISPLAY DEVICE AND CONTROLLING METHOD

(51) International classification :H04N7/173
(31) Priority Document No :2009-213377
(32) Priority Date :15/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/062311
Filing Date :22/07/2010
(87) International Publication No :WO 2011/033855
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SONY CORPORATION
Address of Applicant :1-7-1 KONAN, MINATO-KU,
TOKYO 108-0075 Japan
(72)Name of Inventor :
1)YUICHI IIDA
2)SHINICHI HAYASHI
3)YUSUKE SAKAI
4)JUNJI OOI
5)DAIJIRO SAKUMA
6)SHINGO TSURUMI

(57) Abstract :

A novel and improved image display device and controlling method capable of optimizing the state of the image display device for the user at the desired position are provided. A display device including: an imaging section that takes an image of a predetermined range of a dynamic image with respect to an image display direction; an image analyzing section that analyzes the dynamic image taken by the imaging section and calculates a position of a user; a system optimization processing section that calculates system control information for optimizing a system based on the position of the user calculated by the image analyzing section; and a system controlling section that optimizes the system based on the system control information calculated by the system optimization processing section is provided. Representative Drawing

No. of Pages : 50 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2283/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROPELLABLE APPARATUS WITH ACTIVE SIZE CHANGING ABILITY

(51) International classification :A61B1/31
(31) Priority Document No :61/243,208
(32) Priority Date :17/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/002496
Filing Date :14/09/2010
(87) International Publication No :WO 2011/034573 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)FUJIFILM CORPORATION
Address of Applicant :26-30, NISHIAZABU 2-CHOME,
MINATO-KU, TOKYO Japan
(72)Name of Inventor :
1)EIDENSCHINK, TRACEE, ELIZABETH
2)ALLEN, JOHN, J.

(57) Abstract :

A propellable apparatus comprises one or more rotatable membranes. The rotatable membranes include an inner surface at least partially defining an encircled region and a continuous outer surface that turns outward to engage a cavity or lumen wall, for example, and turns inward to at least partially encompass a central region defining a longitudinal path. The membranes are powerable to provide movement relative to the cavity or lumen wall. The apparatus further comprises an inflatable and deflatable support structure, configured to bias the outer surface of the membranes outward to engage the cavity or lumen wall at a first outer diameter, and be deflatable inward in response to a compressive force or operator command to provide a second outer diameter that is less than the first outer diameter. In some examples, the rotatable membranes include belt-like membranes, and the inflatable and deflatable support structure includes at least one impermeable bladder.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1263/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/02/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HANDOVER CONTROL SYSTEM, TARGET CONTROL APPARATUS, SOURCE CONTROL APPARATUS, HANDOVER CONTROL METHOD, AND COMPUTER READABLE MEDIUM

(51) International classification	:H04W36/38
(31) Priority Document No	:2009-186394
(32) Priority Date	:11/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004974
Filing Date	:06/08/2010
(87) International Publication No	:WO 2011/018890
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC CORPORATION
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU,
TOKYO 108-8001 Japan
(72)**Name of Inventor :**
1)AMINAKA, HIROAKI

(57) Abstract :

A second control apparatus (1B) is configured to be able to investigate handover possibilities of a plurality of cells including cells (41B, 42A, and 42C) in response to receipt of a handover request message transmitted from a first control apparatus (1A). The second control apparatus (1B) is configured to transmit an acknowledge response message indicating handover acknowledgment to the first control apparatus (1A) when at least one of the plurality of cells can accept a handover of a mobile station (3). As a result, extra signaling related to a handover procedure can be reduced.

No. of Pages : 75 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2197/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMMUNICATION DEVICE, COMMUNICATION CONTROL METHOD, AND COMPUTER-READABLE RECORDING MEDIUM

(51) International classification	:H04L27/00
(31) Priority Document No	:2009-214086
(32) Priority Date	:16/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066266
Filing Date	:14/09/2010
(87) International Publication No	:WO 2011/034193
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC CORPORATION
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU, TOKYO 108-8001 Japan
(72)**Name of Inventor :**
1)ADACHI, TAKAHIRO

(57) Abstract :

In order to solve such problems that a transmission power and the modulation scheme adaptable for an environment installed with a communication device can be applied to a signal transmission source, the communication device includes: a reception means for receiving a signal treated with a setting of a modulation scheme based on a modulation scheme designation information and a controlling of a transmission power based on the transmission power designation information by an external transmitter, demodulating the received signal based on a modulation scheme control information, and outputting a received data; a reception level measurement means for measuring a signal level of the signal and outputting the reception level; a designation information output means for outputting the transmission power designation information correlated to the modulation scheme designation information and the modulation scheme based on the reception level; and a transmission means for transmitting the modulation scheme designation information and the transmission power designation information for the transmitter.

No. of Pages : 98 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2251/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PERFORMING SERVICES IN SERVER AND CLIENT OF CLIENT/SERVER ARCHITECTURE

(51) International classification	:H04L29/00
(31) Priority Document No	:200910167153.4
(32) Priority Date	:26/08/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/073834
Filing Date	:11/06/2010
(87) International Publication No	:WO 2011/023020 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ZTE CORPORATION
Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH,
HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT,
SHENZHEN, GUANGDONG PROVINCE 518057 China
(72)**Name of Inventor :**
1)HAO YUAN

(57) Abstract :

A method and system for performing services in a server and a client of a client/server architecture are provided, and the method includes: when performing to a preset user decision point during the service performing process, the server interrupting the service performing and initiating a user decision request to a client, wherein the user decision request includes information requesting the user to decide a service performing action after the user decision point; after a user decision information made by the client responding to the user decision request is received, determining the service performing action corresponding to the received user decision information according to the corresponding relationship between the user decision information and a service performing rule, and performing the service according to the determined service performing action. The service performing action or flow can be intervened or influenced by the client through the present invention.

No. of Pages : 33 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2295/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : OUTPUT POWER CONTROL FOR ADVANCED WLAN AND BLUETOOTH-AMP SYSTEMS

(51) International classification :H04W52/16
(31) Priority Document No :12/554,631
(32) Priority Date :04/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047740
Filing Date :02/09/2010
(87) International Publication No :WO 2011/028951 A3
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)VINCENT KNOWLES JONES IV
2)JAMES M. GARDNER
3)ALIREZA RAISSINIA
4)RAMAPRASAD SAMUDRALA

(57) Abstract :

Disclosed are a method and a terminal for synchronizing a subordinate carrier cell, which method comprises the following steps of: after a terminal receives an activation uplink subordinate carrier order from a service node B, the terminal, with the current time as a reference, carrying out synchronization in a cell in an activation set of the enhanced dedicated channel of the subordinate carrier under a non-service node B at a first time point after having carried out delay according to an acquired subordinate carrier activation processing offset time period. The present technical solution reduces the time delay required by synchronization and inter-cell interference and enables the cell capacity and coverage to be in affected.

No. of Pages : 40 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2039/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ROTOR FOR PERMANENT MAGNET TYPE ROTARY MACHINE

(51) International classification :H02K 1/27

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2009/065740

Filing Date :09/09/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)Shin-Etsu Chemical Co. Ltd.

Address of Applicant :6-1 Otemachi 2-chome Chiyoda-ku
Tokyo 100-0004 Japan

(72)Name of Inventor :

1)Koji MIYATA (deceased)

2)Takehisa MINOWA

3)Hajime NAKAMURA

4)Koichi HIROTA

(57) Abstract :

In connection with a permanent magnet rotary machine comprising a rotor comprising a rotor core and a plurality of permanent magnet segments embedded in the rotor core and a stator comprising a stator core having a plurality of slots and windings therein the rotor and the stator being disposed to define a gap therebetween or a permanent magnet rotary machine comprising a rotor comprising a rotor core and a plurality of permanent magnet segments mounted on the surface of the rotor core and a stator comprising a stator core having a plurality of slots and windings therein the rotor and the stator being disposed to define a gap therebetween the rotor wherein each of the permanent magnet segments is an assembly of further divided permanent magnet pieces and the coercive force near the surface of the magnet piece is higher than that in the interior of the magnet piece.

No. of Pages : 42 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2292/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ELEVATOR CAR

(51) International classification	:B66B13/14
(31) Priority Document No	:09170764.6
(32) Priority Date	:18/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/063509
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/032955
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)INVENTIO AG

Address of Applicant :SEESTRASSE 55, CH-6052
HERGISWIL Switzerland

(72)Name of Inventor :

1)CHRISTEN, JULES

(57) Abstract :

The invention relates to an elevator car comprising an access opening (11); a car door for closing the access opening, which has at least one door field (10) that can be displaced parallel to the access opening; a pusher crank drive (18, 24-30) for displacing the at least one door field (10) between an open position and a closed position; an electric motor (22) for driving the pusher crank drive; and a control device (32) for actuating the electric motor. The control device (32) of the elevator car is implemented such that said device actuates the electric motor (22) so that a displacement velocity of the at least one door field (10) is substantially constant over the entire displacement path between the open position and the closed position of the door field (10).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2302/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : FLEXIBLE SDMA AND INTERFERENCE SUPPRESSION

(51) International classification :H04J11/00
(31) Priority Document No :61/239,379
(32) Priority Date :02/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047732
Filing Date :02/09/2010
(87) International Publication No :WO 2011/028943 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)DIDIER JOHANNES RICHARD VAN NEE
2)SAMEER VERMANI
3)VINCENT KNOWLES JONES
4)HEMANTH SAMPATH
5)ALBERT VAN ZELST

(57) Abstract :

Certain aspects of the present disclosure provide a method for performing interference suppression in spatial division multiple access (SDMA) systems. When the number of receive antennas of a receiver is equal or larger than the number of spatial streams intended for the receiver, the receiver may perform interference suppression on the signals received on all of its antennas, hi addition, certain aspects of the present disclosure present a flexible SDMA technique in which a plurality of channel estimates that may be received from an explicit feedback or estimated implicitly, are combined. The combined channel estimate may be used in calculating the SDMA weights.

No. of Pages : 59 No. of Claims : 69

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2346/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :14/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING A REFERENCE SIGNAL IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04B7/26
(31) Priority Document No :61/240,286
(32) Priority Date :07/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2010/006071
Filing Date :07/09/2010
(87) International Publication No :WO 2011/028079 A3
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LG ELECTRONICS INC.
Address of Applicant :20 YEOUIDO-DONG,
YEONGDEUNGPO-GU, SEOUL 150-721 Republic of Korea
(72)**Name of Inventor :**
1)LEE, DAE WON
2)HAN, SEUNG HEE
3)KIM, KI JUN
4)AHN, JOON KUI

(57) Abstract :

Disclosed are a method and apparatus for transmitting a reference signal. In a base station apparatus for transmitting a reference signal in a wireless communication system, a processor generates the same scrambling sequence for resource elements (REs) allocated to each layer for reference signal transmission, and spreads or covers Walsh codes such that scrambling sequences generated for the resource elements can be orthogonal to each other on a time axis, in order to generate a reference signal sequence. Here, the Walsh code spreading or covering by the processor is applied on a frequency axis on the basis of a plurality of resource blocks (RBs) or on the basis of a pair of resource blocks, such that mutually different sequences having mutually different sequence values can be mapped between resource blocks or between pairs of resource blocks. A transmission module transmits the reference signal, to which the thus-generated reference signal sequence is applied, to user equipment via each layer.

No. of Pages : 167 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2360/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :14/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : THERAPEUTIC PREPARATION FOR RHINITIS

(51) International classification	:A61K 38/00
(31) Priority Document No	:2009-197488
(32) Priority Date	:27/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/064644
Filing Date	:27/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ENDO Kyoko

Address of Applicant :2-26 Kamisugi 6-chome Aoba-ku
Sendai-shi Miyagi 9800011 (JP) Japan

2)IGISU Co. Ltd.

3)ENDO Yori

(72)Name of Inventor :

1)ENDO Kyoko

(57) Abstract :

Therapeutic preparation for Rhinitis The problem to be solved by the present invention is to provide an effective and safe therapeutic preparation for rhinitis which not only has significant effects on improvement in rhinitis in particular allergic rhinitis but also is rapid in manifestation of efficacy fast-acting and long-lasting without local side effects. Means for solving the problem is a therapeutic preparation for rhinitis in particular allergic rhinitis comprising C-type natriuretic peptide (CNP) or B-type natriuretic peptide (BNP) as the active ingredient.

No. of Pages : 96 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2361/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SMART SET-TOP BOX AND OPERATING METHOD FOR PROVIDING SMART SERVICE AND DIGITAL TELEVISION SERVICE USING DEFAULT MEDIA PLAYER INCLUDED IN SINGLE OPERATING SYSTEM

(51) International classification :H04N
(31) Priority Document No :10-2011-0095512
(32) Priority Date :22/09/2011
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2012/001543
Filing Date :29/02/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)LG CNS CO. LTD.

Address of Applicant :10-1 Hoehyeon-dong 2-ga Jung-gu
Seoul 100-052 Republic of Korea.

(72)Name of Inventor :

1)CHOI Su Kyoung

2)HONG Gun Ho

3)LEE Won Ey

4)PARK Min Wook

5)SHIN Jin Young

6)RYU Dae Seok

(57) Abstract :

A method of playing back media data in a single operating system that supports a smart service and digital television (DTV) service may be provided. The method may include loading the single operating system that supports the smart service and the DTV service receiving by a default media player included in the single operating system from an application a request for playback of a target media data determining a type of an identifier (ID) of the target media data selecting based on the type of the ID of the target media data one player from among a video-on-demand (VOD) player and a DTV player different from the default media player and playing back the target media data by the selected player.

No. of Pages : 31 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2362/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN APPARATUS

(51) International classification :H04N 5/235

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/061551

Filing Date :07/09/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)NOKIA CORPORATION

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo
Finland

(72)Name of Inventor :

1)Radu Ciprian Bilcu

2)Miska Hannuksela

3)Sakari Alenius

4)Markku Vehvilainen

(57) Abstract :

An apparatus comprising: a camera module configured to capture a first image of a subject with a first image capture parameter and at least one further image of substantially the same subject with at least one associated further image capture parameter; a reference image encoder configured to encode the first image into a first encoded image; a further image encoder configured to encode the at least one further image into at least one further encoded image; and a file compiler configured to combine the first encoding image and the at least one further encoded image into a first file.

No. of Pages : 48 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2376/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ABRASIVE CLEANING EQUIPMENT FOR ROLLED STEEL ARTICLE

(51) International classification	:B24C9/00
(31) Priority Document No	:2009-261606
(32) Priority Date	:17/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069494
Filing Date	:02/11/2010
(87) International Publication No	:WO 2011/062056
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SINTOKOGIO, LTD.

Address of Applicant :28-12, MEIEKI 3-CHOME,
NAKAMURA-KU, NAGOYA-SHI, AICHI 4500002 Japan

(72)Name of Inventor :

1)ANDO, YOSHINOBU

2)NAKANO, YASUNARI

(57) Abstract :

Disclosed is abrasive cleaning equipment for a rolled steel article capable of effectively removing abrasive grains resting on the rolled steel article without using a rotary brush. The equipment comprises the following a roller conveyor (1) for transferring the rolled steel article horizontally; a cabinet (2) defining an abrasive cleaning chamber therein such that it contains the rolled steel article on the roller conveyor (1); centrifugal abrasive grain projecting apparatuses (3, 4) installed in the cabinet (2), for projecting abrasive grains against the rolled steel article; an abrasive grain blowing-off means (5) for blasting compressed air to blow off abrasive grains on the rolled steel article; and an abrasive grain recycling means (6) for recovering abrasive grains that have been projected by the centrifugal abrasive grain projecting apparatus (3) and are resting on the rolled steel article, and abrasive grains that have been blown off the rolled steel article by the abrasive grain blowing-off means (5), thereafter removing contaminants from the recovered abrasive grains, and feeding the abrasive grains thus processed in the centrifugal abrasive grain projecting apparatuses (3, 4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2290/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR PRODUCING LOW-HALOGEN POLYBIPHENYLSULFONE POLYMERS

(51) International classification	:C08G75/23
(31) Priority Document No	:09168231.0
(32) Priority Date	:20/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061924
Filing Date	:17/08/2010
(87) International Publication No	:WO 2011/020823
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056, LUDWIGSHAFEN Germany

(72)Name of Inventor :

1)WEBER, MARTIN

2)MALETZKO, CHRISTIAN

3)LANGE, GERHARD

4)ERBES, JORG

5)DIETRICH, MATTHIAS

6)INCHAURRONGO, NICOLAS

7)SIGWART, CHRISTOPH

(57) Abstract :

The present invention relates to a process for the production of low-halogen-content polybiphenyl sulfone polymers, to the resultant polybiphenyl sulfone polymers, to polybiphenyl sulfone polymers having less than 400 ppm content of polymer-bonded halogen, to thermoplastic molding compositions comprising these polybiphenyl sulfone polymers, and to their use for the production of moldings, of fibers, of films, of membranes, or of foams.

No. of Pages : 20 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2299/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYMBOL ESTIMATION METHODS AND APPARATUSES

(51) International classification	:H04L25/03
(31) Priority Document No	:12/553,855
(32) Priority Date	:03/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047781
Filing Date	:03/09/2010
(87) International Publication No	:WO 2011/028982 A2
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)QUALCOMM INCORPORATED

Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.

(72)Name of Inventor :

1)BAHADIR CANPOLAT

2)FARROKH ABRISHAMKAR

3)DIVAYDEEP SIKRI

(57) Abstract :

A novel symbol estimation method produces intersymbol interference free symbols by detecting interfering symbols in an interfering channel. A channel estimate is refined for additional improvements. The method can lend itself as a serial or parallel algorithm implementation. The symbol estimation method includes using an initial estimate of received symbols and calculating a refined estimate of the received symbols using a channel estimate. The refined estimate is calculated by performing parameterization of intersymbol interference by symbols other than the symbol being refined and selecting a refined value for the symbol being refined by evaluating an optimization function. Symbol estimates are refined in multiple iterations, until a pre-determined iteration termination criterion is met. Parameterization of ISI contribution of other symbols results in reduced computation by reducing total number of unknown variables in the refinement operation.

No. of Pages : 42 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2370/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AIR CONDITIONER

(51) International classification	:F24F11/02
(31) Priority Document No	:2009-212597
(32) Priority Date	:15/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004828
Filing Date	:30/07/2010
(87) International Publication No	:WO 2011/033714
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PANASONIC CORPORATION

Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 Japan

(72)Name of Inventor :

1)SUGIO, TAKASHI

2)MORIKAWA, TOMOTAKA

3)TAKAHASHI, MASATOSHI

4)KAWANO, YUSUKE

(57) Abstract :

An air conditioner includes an indoor unit, an obstacle detecting device 30 mounted to the indoor unit to detect the presence or absence of and a size of an obstacle, and horizontal wind direction changing blades 14 mounted to the indoor unit to horizontally change a direction of air blown out from the indoor unit. When a determination is made based on detection results by the obstacle detecting device 30 that a plurality of obstacle regions in each of which an obstacle is present exist in an area to be air conditioned, an air current control is conducted to blow out air toward an obstacle region where a small obstacle exists by controlling the horizontal wind direction changing blades 14.

No. of Pages : 141 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2373/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SOURCE IDENTIFICATION FOR KEY HANDLING FOLLOWING A HANDOVER FAILURE

(51) International classification :H04W12/04

(31) Priority Document No :61/246,723

(32) Priority Date :29/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2010/053440

Filing Date :28/07/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)NOKIA CORPORATION

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo
Finland

(72)Name of Inventor :

1)Steven Franklin

2)Stuart Geary

3)Keiichi Kubota

(57) Abstract :

A method of enabling key handling for a handover between different domains may include determining whether an indication of a potential key mismatch is present responsive to an attempt to conduct a handover between a first domain and a second domain, and defining validity of a most recent key set used for ciphering communication between a mobile terminal and a network device based on a result of the determining.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2383/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : UPLINK CONTROL CHANNEL RESOURCE ALLOCATION FOR TRANSMIT DIVERSITY

(51) International classification :H04B7/04
(31) Priority Document No :61/246,841
(32) Priority Date :29/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/050768
Filing Date :29/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 USA.
(72)**Name of Inventor :**
1)LUO Xiliang
2)CHEN Wanshi
3)DAMNJANOVIC Jelena M.
4)GAAL Peter
5)MONTJOJO Juan

(57) Abstract :

Systems and methods for resource allocation for an uplink control channel for a user equipment UE (110) using multiple transmit antennas (124) in a wireless communication network (100) are disclosed. A plurality of orthogonal resources (108) for use by the UE (112) on the uplink control channel is selected. Control information is transmitted from the UE on the uplink control channel on the plurality of orthogonal resources with transmit diversity.

No. of Pages : 87 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2298/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND TERMINAL FOR SYNCHRONIZING SUBORDINATE CARRIER CELL

(51) International classification :H04B7/26
(31) Priority Document No :200910166142.4
(32) Priority Date :17/08/2009
(33) Name of priority country :China
(86) International Application No :PCT/CN2010/075691
Filing Date :04/08/2010
(87) International Publication No :WO 2011/020407 A1
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ZTE CORPORATION
Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH,
HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT,
SHENZHEN, GUANGDONG PROVINCE 518057 China
(72)**Name of Inventor :**
1)XIANG CHENG
2)YU ZHANG
3)MEIFANG HE

(57) Abstract :

Disclosed are a method and a terminal for synchronizing a subordinate carrier cell, which method comprises the following steps of: after a terminal receives an activation uplink subordinate carrier order from a service node B, the terminal, with the current time as a reference, carrying out synchronization in a cell in an activation set of the enhanced dedicated channel of the subordinate carrier under a non-service node B at a first time point after having carried out delay according to an acquired subordinate carrier activation processing offset time period. The present technical solution reduces the time delay required by synchronization and inter-cell interference and enables the cell capacity and coverage to be in affected.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2368/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LIGHTING DEVICE, DISPLAY DEVICE, AND TELEVISION RECEIVER

(51) International classification :F21S2/00
(31) Priority Document No :2009-214953
(32) Priority Date :16/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/063992
Filing Date :19/08/2010
(87) International Publication No :WO 2011/033899
A1
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SHARP KABUSHIKI KAISHA
Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,
OSAKA-SHI, OSAKA 545-8522 Japan
(72)Name of Inventor :
1)KUROMIZU, YASUMORI

(57) Abstract :

Uneven brightness is less likely to occur in a backlight unit. In a backlight unit 12, suppose that a maximum value and a minimum value of light reflectance of at least a first surface 30a of a diffuser plate 30 facing a hot cathode tube 17 are defined as Rmax Rmin, respectively, a rising proximal position BP of each rising portion 20b of a reflection sheet 20 is provided to overlap with an area of the diffuser plate 30 having light reflectance R that satisfies the Expression given below, and a rising distal position EP of each rising portion 20b is provided not to overlap with an area of the diffuser plate 30 having the light reflectance R that satisfies the Expression given below. $(R_{\max}-R_{\min})/2+R_{\min}<R$

No. of Pages : 115 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2369/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LED PROJECTOR AND METHOD

(51) International classification :G03B21/20
(31) Priority Document No :61/242,527
(32) Priority Date :15/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/048593
Filing Date :13/09/2010
(87) International Publication No :WO 2011/034810 A3
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :3M CENTER, POST OFFICE BOX
33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.
(72)**Name of Inventor :**
1)OUDERKIRK, ANDREW J.
2)SONG, YIFEI
3)BARNES, AMY S.
4)THOMPSON, D., SCOTT
5)ONG, SEN CHING
6)TIO, ANDREW, T.
7)DAVIDSON, ROBERT, S.

(57) Abstract :

A light emitting diode (LED) projector, an LED projector array, and a method of making the LED projector and LED projector array are provided. In general, an LED is disposed to inject light into an input aperture of a compound parabolic concentrator (CPC), disposed in a molded optical element. At least partially collimated light exits the output aperture of the CPC. The CPC has a portion of the surface free to expand and contract without degrading the performance of the LED projector.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2380/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DUAL CROSSLINKED TACKIFIED PRESSURE SENSITIVE ADHESIVE

(51) International classification :C08K5/3412
(31) Priority Document No :61/241,553
(32) Priority Date :11/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/048598
Filing Date :13/09/2010
(87) International Publication No :WO 2011/032074 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AVERY DENNISON CORPORATION
Address of Applicant :150 NORTH ORANGE GROVE
BLVD., PASADENA, CA 91103 U.S.A.
(72)**Name of Inventor :**
1)KO, CHAN, U.
2)WOUTERS, DOMINIQUE
3)YEADON, GRAHAM
4)MALLYA, PRAKASH
5)MAERKI, ROGER

(57) Abstract :

Tackfied PSAs and tapes comprising a copolymer based on an acrylic backbone, with a glycidyl monomer, unsaturated carboxylic acid monomer and a tackifier, said adhesives being dual curable and having combination of outstanding peel adhesion on the LSE substrates, high temperature shear performance, excellent stress relieving properties and excellent converting properties.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2382/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MULTIPLE FRAME TRANSMISSION FOR SUPPORTING MU-MIMO

(51) International classification	:H04B7/04
(31) Priority Document No	:61/236,887
(32) Priority Date	:26/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/004502
Filing Date	:12/07/2010
(87) International Publication No	:WO 2011/025146 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)LG ELECTRONICS INC.
Address of Applicant :20 YEOUIDO-DONG,
YEONGDEUNGPO-GU, SEOUL 150-721 Republic of Korea
(72)**Name of Inventor :**
1)SEOK, YONG HO

(57) Abstract :

A method of transmitting multiple frames in a wireless local area network (WLAN) system supporting multi user-multiple input multiple output (MU-MIMO) is provided. The method comprises transmitting a first frame and a second frame consecutively to a first station (STA) and transmitting a third frame and a fourth frame consecutively to a second STA, wherein a transmission start time of the first frame and a transmission start time of the third frame are aligned to each other, and wherein a transmission start time of the second frame and a transmission start time of the fourth frame are aligned to each other.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2386/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING USER STATUS INFORMATION WHEN IN A TELEPHONE CONFERENCE

(51) International classification	:H04M3/56
(31) Priority Document No	:12/570,491
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049731
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/041177 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ALCATEL LUCENT
Address of Applicant :3, AVENUE OCTAVE GREARD, F-75007 PARIS France
(72)**Name of Inventor :**
1)STUART O. GOLDMAN
2)KARL F, RAUSCHER

(57) Abstract :

Methods, systems, graphical user interfaces, and computer-readable media for visually searching and exploring a set of objects are provided. A computer system executes a method that generates three-dimensional representations or two-dimensional representations for a set of objects in response to a user interaction with an interface that displays the three-dimensional representations or the two-dimensional representations. The interface includes filter controls, sorting controls, and classification controls, which are dynamically altered based on the content of a user query or the attributes of the objects in the three-dimensional representations or two-dimensional representations.

No. of Pages : 34 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2387/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A METHOD AND AN APPARATUS FOR PROCESSING AN AUDIO SIGNAL

(51) International classification :G10L 19/02

(31) Priority Document No :0915595.3

(32) Priority Date :07/09/2009

(33) Name of priority country :U.K.

(86) International Application No :PCT/IB2010/054033

Filing Date :07/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)NOKIA CORPORATION

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo
Finland

(72)Name of Inventor :

1)Riita Elina Niemisto

2)Robert Bregovic

3)Bogdan Dumitrescu

4)Ville Mikael Myllyla

(57) Abstract :

The invention relates to a method and an apparatus for processing an audio signal, wherein the method comprises the steps of :
filtering an audio signal into at least two frequency band signals, generating for each frequency band signal a plurality of sub-band
signals, wherein for at least one frequency band signal the plurality of sub-band signals are generated using a time to frequency
domain transform and for the at least one other frequency band the plurality of sub-band signals for the other frequency band are
generated using a sub-band filterbank, and the apparatus comprises at least one processor and at least one memory including computer
program code, the at least one memory and the computer program code being configured to, with the at least one processor, cause the
apparatus to perform the method.

No. of Pages : 48 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2388/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SCRAMBLING SEQUENCE INITIALIZATION FOR COORDINATED MULTI-POINT TRANSMISSIONS

(51) International classification	:H04B 7/02
(31) Priority Document No	:61/247,114
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050987
Filing Date	:30/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 USA..
(72)**Name of Inventor :**
1)MONTJO Juan
2)LUO Tao
3)CHEN Wanshi

(57) Abstract :

Methods systems apparatus and computer program products are provided for generating a shared initialization code for physical channel data scrambling in an LTE Advanced coordinated multipoint transmission network. This Abstract is provided for the sole purpose of complying with the Abstract requirement rules that allow a reader to quickly ascertain the disclosed subject matter. Therefore it is to be understood that it should not be used to interpret or limit the scope or the meaning of the claims.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2389/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LIGHTING DEVICE DISPLAY DEVICE AND TELEVISION RECEIVER

(51) International classification :F21S 2/00
(31) Priority Document No :2009-214795
(32) Priority Date :16/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/063981
Filing Date :19/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SHARP KABUSHIKI KAISHA
Address of Applicant :22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan
(72)**Name of Inventor :**
1)KUROMIZU Yasumori

(57) Abstract :

An object of the invention is to suppress uneven brightness in a backlight unit. The backlight unit 12 includes a hot cathode tube 17 as a light source; a chassis 14 having a bottom plate 14a disposed on a side opposite to a light output side with respect to the hot cathode tube 17 and housing the hot cathode tube 17; a reflection sheet 20 having a bottom portion 20a disposed along the bottom plate 14a and a rising portion 20b rising from the bottom portion 20a toward the light output side and reflecting light; and a pressing member 21 extending over the bottom portion 20a and the rising portion 20b and having a pressing surface 28 pressing the bottom portion 20a and the rising portion 20b from the light output side.

No. of Pages : 115 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2411/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LUBRICANT OIL COMPOSITION

(51) International classification	:C10B	(71)Name of Applicant :
(31) Priority Document No	:2009-213646	1)Idemitsu Kosan Co. Ltd.
(32) Priority Date	:15/09/2009	Address of Applicant :1-1 Marunouchi 3-chome Chiyoda-ku
(33) Name of priority country	:Japan	Tokyo 100-8321 Japan
(86) International Application No	:PCT/JP2010/065136	(72)Name of Inventor :
Filing Date	:03/09/2010	1)KASAI Moritsugu
(87) International Publication No	: NA	2)YAMADA Ryou
(61) Patent of Addition to Application	:NA	3)TSUJIOKA Masanori
Number	:NA	4)MIYAKE Koji
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided by the present invention is a lubricating oil composition showing though containing ZnDTP as an abrasion resistant agent a low friction coefficient when used as a lubricating oil for a low friction sliding material that is a specific lubricating oil composition which is prepared by blending a lubricant base oil with (A) a specific alkali earth metal-containing cleaning agent (B) a specific boron-non- containing succinimide base ashless dispersant (C) a zinc dialkyldithiophosphate and (D) a specific sulfur base compound and which is used for a low friction sliding material.

No. of Pages : 31 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2286/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CARBON FIBER BUNDLE AND METHOD FOR PRODUCING SAME

(51) International classification :D06M15/227
(31) Priority Document No :2009-207631
(32) Priority Date :09/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/065399
Filing Date :08/09/2010
(87) International Publication No :WO 2011/030784
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MITSUBISHI RAYON CO., LTD.
Address of Applicant :6-41, KONAN 1-CHOME, MINATO-KU, TOKYO 108-8506 Japan

(72)Name of Inventor :
1)SUGIURA, NAOKI
2)IWASHITA, TORU
3)ISHII, TOSHIYUKI
4)ONISHI, RIKUO

(57) Abstract :

The present invention relates to a carbon fiber bundle to which an amino group-containing modified polyolefin resin has applied, wherein the amount of applying amino group-containing modified polyolefin resin is 0.2 to 5.0% by mass. This carbon fiber bundle can be produced by applying 0.2 to 5.0% by mass of the amino group-containing modified polyolefin resin to the surface of the carbon fiber bundle. The present invention can exhibit excellent interface adhesion to a polyolefin resin, particularly to a polypropylene resin, and can provide a carbon fiber bundle useful for reinforcing the polyolefin resin and a method of producing the same.

No. of Pages : 77 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2349/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :14/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : REMOTE DATA COLLECTION SYSTEMS AND METHODS

(51) International classification :G06F17/30
(31) Priority Document No :12/547,788
(32) Priority Date :26/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/041777
Filing Date :13/07/2010
(87) International Publication No :WO 2011/025595 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ZEEWISE, INC.
Address of Applicant :4920 ROSWELL ROAD, SUITE 45B,
ATLANTA, GA 30342 U.S.A.
(72)**Name of Inventor :**
1)CLARK S. GILDER
2)JOSHUA HIX
3)BARTOSZ J. ZALEWSKI

(57) Abstract :

The present disclosure provides remote data collection systems and methods for retrieving data including financial, sales, marketing, operational and the like data from a plurality of databases and database types remotely over a network in an automated, platform-agnostic manner. The present invention is designed to work across a plurality of LOB applications, database vendors and business models or businesses, as well as business infrastructure (various PCs, embedded devices and POS devices) and business processes while still providing the centralized ability to automatically collect data from multiple remote business sites. The present invention includes one or more central servers communicating with a plurality of remote data collection agents. The remote data collection agent is designed to overcome existing requirements or limitations as it is able to automatically collect remote data from a wide range of businesses, as well as multiple LOB applications while connecting to multiple databases vendors and formats.

No. of Pages : 78 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2363/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : EMULATION OF N-BITS UNIFORM QUANTIZER FROM MULTIPLE INCOHERENT AND NOISY ONE-BIT MEASUREMENTS

(51) International classification :H04B 1/7163

(31) Priority Document No :61/247,128

(32) Priority Date :30/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050996

Filing Date :30/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)QUALCOMM Incorporated

Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 USA.

(72)Name of Inventor :

1)BARBOTIN Yann

2)BUDIANU Petru Cristian

(57) Abstract :

Certain aspects of the present disclosure relate to a method for emulating Af -bits uniform quantization of a received pulse signal by using one-bit signal measurements.

No. of Pages : 27 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2366/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : IMAGE DECODING DEVICE, IMAGE CODING DEVICE, METHODS THEREOF, PROGRAMS THEREOF, INTEGRATED CIRCUITS THEREOF, AND TRANSCODING DEVICE

(51) International classification	:H04N7/32	(71)Name of Applicant :
(31) Priority Document No	:2010-208642	1)PANASONIC CORPORATION
(32) Priority Date	:16/09/2010	Address of Applicant :1006, OAZA KADOMA, KADOMA-
(33) Name of priority country	:Japan	SHI, OSAKA 571-8501 Japan
(86) International Application No	:PCT/JP2011/005074	(72)Name of Inventor :
Filing Date	:09/09/2011	1)TANAKA, TAKESHI
(87) International Publication No	: NA	2)YOSHIMATSU, NAOKI
(61) Patent of Addition to Application	:NA	3)KUROKAWA, KEIICHI
Number	:NA	4)IWAHASHI, DAISUKE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An image decoding device (C100) for increasing decoding efficiency and reducing the number of memory accesses includes: a division unit (C101) dividing a picture into first and second coded image data; and first and second decoding units (C103 and C104) decoding, in parallel, the first and second coded image data and storing decoding results into a frame storage unit (C102). The first and second decoding units (C103 and C104) decode the first and second coded image data using second and first decoding result information, respectively, and store the resulting first and second decoding result information into an information storage unit (C105). When decoding a target macroblock, each of the first and second decoding units performs image processing on: the corresponding second or first decoding result information indicating part of the decoded macroblock included in the macroblock line adjacent to the macroblock line including the target macroblock; and the target macroblock.

No. of Pages : 163 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2409/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SUBSTITUTED DIHYDRO BENZOCYCLOALKYLOXYMETHYL OXAZOLOPYRIMIDINONES PREPARATION AND USE THEREOF

(51) International classification	:C07D498/04
(31) Priority Document No	:61/242,586
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048695
Filing Date	:14/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SANOFI

Address of Applicant :54 rue La Botie 75008 Paris-France

(72)Name of Inventor :

1)KOSLEY Raymond Walter Jr.

2)SHER Rosy

(57) Abstract :

The present invention relates to a series of substituted dihydro benzocycloalkyl-oxymethyl oxazolopyrimidinones of formula (I): (I) Wherein n R1 R2 R3 R4 R5 and R6 are as defined herein. This invention also relates to methods of making these compounds including novel intermediates. The compounds of this invention are modulators of metabotropic glutamate receptors (mGluR) particularly mGluR2 receptor. Therefore the compounds of this invention are useful as pharmaceutical agents especially in the treatment and/or prevention of a variety of central nervous system disorders (CNS) including but not limited to acute and chronic neurodegenerative conditions psychoses cognition deficit disorders convulsions anxiety depression migraine pain sleep disorders and emesis.

No. of Pages : 51 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2395/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LIGHTING DEVICE DISPLAY DEVICE AND TELEVISION RECEIVER

(51) International classification	:F21S 2/00
(31) Priority Document No	:2009-214932
(32) Priority Date	:16/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063980
Filing Date	:19/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHARP KABUSHIKI KAISHA

Address of Applicant :22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan

(72)Name of Inventor :

1)KUROMIZU Yasumori

(57) Abstract :

An object of the invention is to reduce uneven brightness on a backlight unit. A backlight unit 12 includes a hot cathode tube 17 as a light source; a chassis 14 having a bottom plate 14a disposed on a side opposite to a light output side with respect to the hot cathode tube 17 and housing the hot cathode tube 17; a reflection sheet 20 having a bottom portion 20a disposed along the bottom plate 34a and rising portions 23b rising from the bottom portion 20a toward the light output side; spacers 33 arranged between the bottom plate 34a and the rising portions 23b; and press members 21 having press surfaces 28 pressing the rising portions 20b from the light output side. The press members 21 and the spacers 33 have mounting structures (mounting pieces 27b and mounting holes 34 of mounting portions 27) . With the mounting structures, the press members 21 are mounted to the spacers 33 by moving the press members 21 along the rising portions 20b with respect to the spacers 33 and held to the spacers 33.

No. of Pages : 124 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2401/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERSONAL CARE COMPOSITIONS WITH ETHYLENE ACRYLIC ACID COPOLYMER AQUEOUS DISPERSIONS

(51) International classification	:A61K8/81
(31) Priority Document No	:61/242,490
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048868
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/034883 A2
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC

Address of Applicant :(FORMERLY UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION), 2020 DOW CENTER, MIDLAND MI 48674 U.S.A.

(72)Name of Inventor :

1)JORDAN, SUSAN

2)DROVETSKAYA, TATIANA

(57) Abstract :

Described are personal care compositions, comprising an aqueous dispersion comprising an ethylene acrylic acid copolymer and a least one cosmetically acceptable surfactant, emollient, or cosmetic active.

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

(54) Title of the invention : METHOD FOR THE PRODUCTION OF 3-HYDROXY-3-METHYLBUTYRIC ACID FROM ACETONE AND AN ACTIVATED ACETYL COMPOUND

(51) International classification	:C12P7/52	(71)Name of Applicant :
(31) Priority Document No	:09170312.4	1)MARLERE, PHILIPPE
(32) Priority Date	:15/09/2009	Address of Applicant :173, RUE DE ROLLEGHEM, 7700
(33) Name of priority country	:EPO	MOUSCRON Belgium
(86) International Application No	:PCT/EP2010/063460	(72)Name of Inventor :
Filing Date	:14/09/2010	1)MARLERE, PHILIPPE
(87) International Publication No	:WO 2011/032934	
	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Described is a method for the production of 3-hydroxy-3-methylbutyric acid (also referred to as beta-hydroxyisovalerate or HIV) from acetone and a compound which provides an activated acetyl group comprising the enzymatic conversion of acetone and a compound which provides an activated acetyl group into 3-hydroxy-3-methylbutyric acid. The conversion makes use of an enzyme which is capable of catalyzing the formation of a covalent bond between the carbon atom of the oxo (i.e. the C=O) group of acetone and the methyl group of the compound which provides an activated acetyl group. Preferably, the enzyme employed in the process is an enzyme with the activity of a HMG CoA synthase (EC 2.3.3.10) and/or a PksG protein and/or an enzyme with the activity of a C-C bond cleavage/condensation lyase, such as a HMG CoA lyase (EC 4.1.3.4). Also described are organisms which are able to produce 3-hydroxy-3-methylbutyric acid from acetone, a compound which provides an activated acetyl group, the use of the above-mentioned enzymes and organisms for the production of 3-hydroxy-3-methylbutyric acid as well as the use of acetone for the production of 3-hydroxy-3-methylbutyric acid.

No. of Pages : 102 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2404/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SILICONE DEPOSITION AID FOR PERSONAL CARE COMPOSITIONS

(51) International classification	:A61K8/81
(31) Priority Document No	:61/242,505
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048860
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/034877 A2
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)DOW GLOBAL TECHNOLOGIES LLC
Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.
(72)**Name of Inventor :**
1)JORDAN, SUSAN
2)STRANDBURG, GARY
3)CHURCHFIELD, MECHELLE

(57) Abstract :

Described are personal care compositions, comprising an aqueous dispersion comprising silicone and an ethylene acrylic acid copolymer and at least one cosmetically acceptable surfactant, emollient, or cosmetic active.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2415/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ADVANCED MODULATION FORMATS FOR SILICON-BASED OPTICAL MODULATORS

(51) International classification :G02B6/125
(31) Priority Document No :61/235,106
(32) Priority Date :19/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/045555
Filing Date :14/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LIGHTWIRE INC.
Address of Applicant :7540 Windsor Drive Suite 412
Allentown PA 18195 United States of America. U.S.A.
(72)**Name of Inventor :**
1)Mark WEBSTER
2)Anujit SHASTRI
3)Kalpendu SHASTRI

(57) Abstract :

A silicon-based optical modulator is configured as a multi-segment device that utilizes a modified electrical data input signal format to address phase modulation nonlinearity and attenuation problems associated with free-carrier dispersion-based modulation. The modulator is formed to include M separate segments and a digital signal encoder is utilized to convert an N bit input data signal into a plurality of M drive signals for the M modulator segments where $M = 2N/2$. The lengths of the modulator segments may also be adjusted to address the nonlinearity and attenuation problems. Additional phase adjustments may be utilized at the output of the modulator (beyond the combining waveguide).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.2396/CHENP/2012 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONTROL INFORMATION SIGNALING

(51) International classification :G06F
(31) Priority Document No :61/246,496
(32) Priority Date :28/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/050574
Filing Date :28/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(72)Name of Inventor :
1)CHEN Wanshi
2)KHANDEKAR Aamod Dinkar
3)DAMNJANOVIC Jelena M.
4)MONTJOJO Juan
5)BHUSHAN Naga

(57) Abstract :

Methods, systems, apparatus and computer program products are provided to facilitate the configuration and allocation of control information associated with transmissions of a wireless communication system. In systems that utilize multiple component carriers, cross-carrier signaling may be used to carry the control information associated with one component carrier on a different component carrier. By allowing control information messages to share their allocated search spaces, the number of decoding attempts needed to obtain control information can be kept within desirable limits while improving scheduling and resource allocation flexibility. This Abstract is provided for the sole purpose of complying with the Abstract requirement rules that allow a reader to quickly ascertain the disclosed subject matter. Therefore, it is to be understood that it should not be used to interpret or limit the scope or the meaning of the claims.

No. of Pages : 69 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2398/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CATIONIC POLYMERS AS CONDITIONING AGENTS

(51) International classification	:A61K8/81
(31) Priority Document No	:61/242,504
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048854
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/034874 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)DOW GLOBAL TECHNOLOGIES LLC
Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.
(72)**Name of Inventor :**
1)ZHANG, XIAODONG
2)JORDAN, SUSAN
3)DROVETSKAYA, TATIANA
4)DIANTONIO, EDWARD
5)SILVIS, H.

(57) Abstract :

The present invention provides personal care compositions comprising a cosmetically acceptable, cationically modified ethylene acrylic acid polymer that has a net cationic charge at pH 6, and a least one cosmetically acceptable surfactant, emollient, or cosmetic active.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2420/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LOW FREQUENCY GLATIRAMER ACETATE THERAPY □

(51) International classification	:A01N 37/12
(31) Priority Document No	:61/274,687
(32) Priority Date	:20/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/002283
Filing Date	:19/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)YEDA RESEARCH AND DEVELOPMENT CO. LTD.
Address of Applicant :P.O.Box 95 76100 Rehovot Israel
(72)**Name of Inventor :**
1)KLINGER Ety

(57) Abstract :

A method of alleviating a symptom of relapsing-remitting multiple sclerosis in a human patient suffering from relapsing-remitting multiple sclerosis or a patient who has experienced a first clinical episode and is determined to be at high risk of developing clinically definite multiple sclerosis comprising administering to the human patient three subcutaneous injections of a therapeutically effective dose of glatiramer acetate over a period of seven days with at least one day between every subcutaneous injection so as to thereby alleviate the symptom of the patient.

No. of Pages : 43 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2421/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : INSTRUMENTED PIPETTE□

(51) International classification	:B01L 3/02
(31) Priority Document No	:61/243,904
(32) Priority Date	:18/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:□CT/AU2010/001220
Filing Date	:17/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MINIFAB (AUSTRALIA) PTY LTD

Address of Applicant :1 Dalmore Drive Caribbean Business Park Scoresby Victoria 3179 Australia.

(72)Name of Inventor :

1)CAMPITELLI Andrew Paul

2)HARVEY Erol Craig

3)MCCORMACK John Edward

4)DIESSNER Grit

5)SOLOMON Matthew Daniel

6)WILKINSON Edward Francis

7)WILKINSON Michael William

(57) Abstract :

A pipette component for use in performing an experimental procedure with a fluid sample and a pipette the pipette component including: a pipette interface configured to engage sealingly and separably with a body of the pipette; a tip interface configured to engage sealingly and separably with a replaceable tip; and an experiment region configured to receive at least part of the fluid sample by operation of the pipette and configured to perform at least part of the experimental procedure in the experiment region using the at least part of the fluid sample

No. of Pages : 66 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2422/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SLIDING CONTACT SURFACE-FORMING MATERIAL, AND MULTI-LAYERED SLIDING CONTACT COMPONENT THE SAME

(51) International classification	:C08J5/16
(31) Priority Document No	:2009-228606
(32) Priority Date	:30/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004564
Filing Date	:14/07/2010
(87) International Publication No	:WO 2011/039917
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)OILES CORPORATION
Address of Applicant :6-34, KOUNAN 1-CHOME, MINATO-KU, TOKYO 108-0075 Japan
(72)Name of Inventor :
1)OGOE, HIROYUKI
2)NISHIMURA, SHINYA
3)OKUBO, KENTARO

(57) Abstract :

Disclosed is a sliding contact surface-forming material (12) improved in the friction-proof and wear-proof characteristics under dry friction conditions such as in the open air, while keeping the low swelling, friction-proof, and wear-proof characteristics under moist atmosphere typically under water unchanged, wherein the sliding contact surface-forming material has a reinforcing base impregnated with a resol-type phenolic resin having polytetrafluoroethylene resin dispersed therein, the reinforcing base being composed of a woven fabric formed by using, respectively as the warp and the weft, a ply yarn which is formed by paralleling at least two strands of a single twist yarn spun from fluorine-containing resin fiber and a single twist yarn spun from polyphenylene sulfide fiber, and by twisting them in the direction opposite to the direction in which the single twist yarns were spun; and further disclosed is a multi-layered sliding contact component having the overall shape of a flat plate or a circular cylinder, and having the above-described sliding contact surface-forming material so as to configure at least the sliding-contact surface thereof.

No. of Pages : 60 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2423/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM, RADIO BASE STATION, AND MOBILE STATION

(51) International classification :H04W 52/14
(31) Priority Document No :2009-212002
(32) Priority Date :14/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/065723
Filing Date :13/09/2010
(87) International Publication No :WO 2011/030891
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NTT DOCOMO, INC.
Address of Applicant :11-1, NAGATACHO 2-CHOME,
CHIYODA-KU, TOKYO 100-6150 Japan

(72)Name of Inventor :
1)KIYOSHIMA, KOHEI
2)OKUBO, NAOTO
3)ISHII, HIROYUKI
4)HARANO, SEIGO

(57) Abstract :

A radio base station eNB according to the present invention includes: a path loss calculation unit 25 configured to calculate a path loss PL in PUSCH based on a maximum transmittable power PTXMAX, UPH, the number of resource blocks MPUSCH, an offset value ATF (TF(i)) corresponding to a transmission format, and a transmission power determination parameter P0_nominal_PUSCH common to cells, and a transmission unit 23 configured to transmit a transmission power offset value P0_UE_PUSCH unique to a mobile station UE, by an RRC message, to the mobile station UE, when a random access procedure is completed, wherein when the random access procedure is completed, the transmission unit 23 transmits a transmission power offset value P0_UE_PUSCH unique to the mobile station, which has a value different from the previously transmitted transmission power offset value P0_JUE_JPUSCH unique to the mobile station.

No. of Pages : 27 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2435/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : (Z)-2-CYANO-3-HYDROXY-BUT-2-ENOIC ACID-(4'-TRIFLUORMETHYLPHENYL)-AMIDE
TABLET FORMULATIONS WITH IMPROVED STABILITY

(51) International classification	:A61K9/20	(71)Name of Applicant :
(31) Priority Document No	:09290716.1	1)SANOFI
(32) Priority Date	:18/09/2009	Address of Applicant :174, AVENUE DE FRANCE, 75013
(33) Name of priority country	:EPO	PARIS France
(86) International Application No	:PCT/EP2010/063439	(72)Name of Inventor :
Filing Date	:14/09/2010	1)HAUCK, GERRIT
(87) International Publication No	:WO 2011/032929	
	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to solid pharmaceutical compositions comprising (Z)-2-cyano-3-hydroxy-but-2-enoic acid-(4'-trifluoromethylphenyl)-amide, as well as a process for the preparation of the same, methods of using such compositions to treat subjects suffering from autoimmune diseases in particular systemic lupus erythematosus or chronic graft-versus-host disease, multiple sclerosis or rheumatoid arthritis.

No. of Pages : 32 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2436/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A METHOD FOR DETERMINING STRUCTURAL PARAMETERS OF COMPOSITE BUILDING PANELS

(51) International classification	:E04C2/04
(31) Priority Document No	:12/544,707
(32) Priority Date	:20/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045449
Filing Date	:13/08/2010
(87) International Publication No	:WO 2011/022302 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)UNITED STATES GYPSUM COMPANY
Address of Applicant :550 WEST ADAMS STREET,
CHICAGO, IL 60661-3676 U.S.A.
(72)**Name of Inventor :**
1)LI, ALFRED, C.
2)KENNEDY, ARTHUR (DECEASED)
3)MCKEEVER, KRISTIN (HEIR OF THE DECEASED INVENTOR)

(57) Abstract :

A method of determining face paper properties of wallboard including providing a core strength value of the wall board, determining a required nail pull value based the wallboard specifications and calculating a face paper stiffness value based on the provided core strength value and the determined nail pull value. The method includes displaying the calculated face paper stiffness value on a display device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2437/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND SYSTEM ENABLING CO-OPERATING OF WEB APPARATUS AND FLASH APPARATUS

(51) International classification	:H04L29/08
(31) Priority Document No	:200910177813.7
(32) Priority Date	:21/09/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/075735
Filing Date	:05/08/2010
(87) International Publication No	:WO 2011/032437 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)TENCENT TECHNOLOGY (SHENZHEN) COMPANT LIMITED
Address of Applicant :ROOM 403, EAST BLOCK 2, SEG PARK, ZHENXING ROAD, FUTIAN DISTRICT, SHENZHEN CITY 518 044, GUANGDONG PROVINCE, PRC China
(72)**Name of Inventor :**
1)HUANG, CHAOXING
2)GUO, BLJIAN
3)ZHU, XINQI

(57) Abstract :

Embodiments of the present invention relate to network communications, and provide a method and a system enabling co-operating of a web apparatus and a flash apparatus. The method includes: a web apparatus sends an instruction of calling a flash apparatus to a client, where the instruction includes information of the flash apparatus to be called; after receiving the instruction, the client makes a flash control perform an operation based on information of the flash apparatus to be called in the instruction. The system includes a web apparatus, a flash apparatus and a client. The flash apparatus and the web apparatus are capable of calling each other and are at the same status in the client, thus respective functions can be fully utilized. The flash apparatus and the web apparatus are capable of accessing resources of the client directly, which improves the access efficiency.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2438/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MOBILE COMMUNICATION TERMINAL, EMERGENCY NOTICE RECEPTION METHOD, AND NON-TRANSITORY COMPUTER READABLE MEDIUM STORING EMERGENCY NOTICE RECEPTION PROGRAM

(51) International classification	:H04M11/04
(31) Priority Document No	:2009-216776
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004644
Filing Date	:20/07/2010
(87) International Publication No	:WO 2011/033711
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC CORPORATION
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU,
TOKYO 108-8001 Japan
(72)**Name of Inventor :**
1)HOKAO, TOMOAKI

(57) Abstract :

The present invention aims to provide a mobile communication terminal, an emergency notice reception method, and a non-transitory computer readable medium storing an emergency notice reception program that enable notification of some kind of information regarding an emergency notice to a user when a part of data composing the emergency notice message can be received. The mobile communication terminal is a mobile communication terminal that operates in compliance with a wireless system of 3GPP standard, and includes a channel evaluation unit 5 or a message evaluation unit 6 that, when a part of a PDU (Protocol Data Unit) is received from a base station among the PDU necessary for generating an SDU (Service Data Unit), evaluates at least one of a channel type and a message type of the part of received PDU, and a control unit 7 that notifies the user that the emergency notice is generated when the channel type or the message type evaluated by the channel evaluation unit 5 or the message evaluation unit 6 indicates information regarding the emergency notice.

No. of Pages : 50 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2412/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SOLAR CELL METHOD FOR MANUFACTURING SOLAR CELL AND SOLAR CELL MODULE

(51) International classification	:H02M	(71)Name of Applicant :
(31) Priority Document No	:2009-217382	1)Shin-Etsu Chemical Co. Ltd.
(32) Priority Date	:18/09/2009	Address of Applicant :6-1 Ohtemachi 2-chome Chiyoda-ku
(33) Name of priority country	:Japan	Tokyo 100-0004 Japan
(86) International Application No	:PCT/JP2010/058706	(72)Name of Inventor :
Filing Date	:24/05/2010	1)Hiroshi HASHIGAMI
(87) International Publication No	: NA	2)Takenori WATABE
(61) Patent of Addition to Application	:NA	3)Hiroyuki OTSUKA
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a solar cell which is provided with: a semiconductor substrate having a light-receiving surface and a non-light-receiving surface; a PN junction section formed on the semiconductor substrate; a passivation layer formed on the light-receiving surface and/or the non-light-receiving surface; and power extraction electrodes formed on the light-receiving surface and the non-light-receiving surface. The solar cell is characterized in that the passivation layer includes an aluminum oxide film having a thickness off 40 nm or less.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2414/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AC CONNECTED MODULES WITH LINE FREQUENCY OR VOLTAGE VARIATION PATTERN FOR ENERGY CONTROL

(51) International classification	:G05F1/67
(31) Priority Document No	:12/545,234
(32) Priority Date	:21/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045151
Filing Date	:11/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)XANTREX TECHNOLOGY INC.

Address of Applicant :161-G South Vasco Road Livermore California 94551 United States of America U.S.A.

(72)Name of Inventor :

1)SERBAN Emanuel

(57) Abstract :

A control strategy for distributed power generation modules in a power system that varies the line frequency or voltage according to a predetermined pattern to cause a PV inverter to modify its power output and thereby avoid overcharging a battery. When the power system operates in islanded mode, the AC load demand can be lower than the available energy from the PV array, causing the battery to become overcharged. To avoid this scenario, a hybrid inverter executes a pattern generator algorithm that varies the line frequency or voltage linearly, exponentially or any mathematical function or look-up tables. The PV inverter executes a pattern detection algorithm that detects the linear, exponential, or any mathematical function or look-up table change in the line frequency. In response, the PV inverter modifies its power output until an overcharging condition of the battery is removed. The line frequency/voltage can be varied within the anti-islanding limits to avoid premature disruption of the power system, and no additional settings are required at the device level in order to operate in any mode of operation: islanded, grid-connected or genset-connected.

No. of Pages : 28 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2442/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ELECTRONIC STETHOSCOPE SYSTEM FOR TELEMEDICING APPLICATIONS

(51) International classification :A61B7/04
(31) Priority Document No :61/243,045
(32) Priority Date :16/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/048745
Filing Date :14/09/2010
(87) International Publication No :WO 2011/034843 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :3M CENTER, POST OFFICE BOX
33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.
(72)Name of Inventor :
1)BEDINGHAM, WILLIAM
2)OSTER, CRAIG, D.
3)ROGERS, DANIEL J.

(57) Abstract :

An electronic stethoscope includes a housing configured for hand-held manipulation, a transducer supported by the housing and configured to sense auscultation signals at a first location, and a headset coupled to the housing and configured to deliver audio corresponding to the auscultation signals through earpieces on the headset. The electronic stethoscope further includes a processor disposed in the housing and configured to convert the auscultation signals to first digital signals representative of the auscultation signals and to wirelessly transmit the first digital signals from the electronic stethoscope via a secure digital network to a second location such that the audio corresponding to the auscultation signals is provided to headsets of one or more additional electronic stethoscopes at the second location in substantial real time with the sensing of the auscultation sounds at the first location.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2443/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPENSATING FOR HYSTERESIS

(51) International classification :G05B17/02

(31) Priority Document No :0916244.7

(32) Priority Date :16/09/2009

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2010/051488

Filing Date :07/09/2010

(87) International Publication No :WO 2011/033282 A1

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)BAE SYSTEMS PLC

Address of Applicant :6 CARLTON GARDENS, LONDON
SW1Y 5AD U.K.

(72)Name of Inventor :

1)MICHAEL STEWART GRIFFITH

2)IMDAD SAJJAD BADRUDDIN SARDHARWALLA

(57) Abstract :

A method and apparatus for compensating for hysteresis in a system (150), the method comprising: determining a first estimate of a system parameter using the Preisach model; measuring a value of a system parameter; and determining an updated estimate of the estimated system parameter using the measured value of a system parameter. The measured system parameter may be the same system parameter as the system parameter for which the first estimate is determined using the Preisach model, or it may be a further system parameter that is a different system parameter to the system parameter for which the first estimate is determined using the Preisach model. Determining the updated estimate of the estimated system parameter may further use the first estimate of the estimated system parameter, or it may further use a corresponding determined value of the further system parameter.

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2416/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR PREPARING A POLYURETHANE FOAM

(51) International classification :C08G 18/48
(31) Priority Document No :09169634.4
(32) Priority Date :07/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/063080
Filing Date :07/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SHELL INTERNATIONALE RESEARCH
MAATSCHAPPIJ B.V.
Address of Applicant :Carel van Bylandtlaan 30 NL-2596 HR
The Hague (NL). Netherlands
(72)**Name of Inventor :**
1)VAN EETVELDE Els
2)ELEVELD Michiel Barend
3)MINEUR Waltherus Petrus Casparus
4)SWAN Christophe Martin
5)TAN Tiew Imm

(57) Abstract :

The disclosure relates to a process for preparing a polyurethane foam wherein a polyether polyol and a polyisocyanate are reacted in the presence of: a blowing agent; of from 1 to 30 ppmw based on the polyether polyol of metals derived from a composite metal cyanide complex catalyst; and of from 0.5 to 100 ppmw based on the polyether polyol of a phosphoric acid compound comprising a phosphoric acid selected from orthophosphoric acid polyphosphoric acid and polymetaphosphoric acid and/or a partial ester of such a phosphoric acid.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2417/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : IMATINIB IMMUNOASSAY □

(51) International classification	:A61K 31/497
(31) Priority Document No	:12/543,699
(32) Priority Date	:19/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029566
□ Filing Date	:01/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SALADAX BIOMEDICAL INC.
Address of Applicant :116 Research Drive Bethlehem
Pennsylvania 18015 United States of America
(72)**Name of Inventor :**
1)SALAMONE Salvatore J.
2)COURTNEY Jodi Blake
3)VOLKOV Alexander

(57) Abstract :

Novel conjugates and immunogens derived from imatinib and monoclonal antibodies generated by these immunogens are useful in immunoassays for the quantification and monitoring of imatinib or its pharmacologically active salts in biological fluids.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2418/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : □METHOD FOR PRODUCING MODIFIED CONJUGATED DIENE-BASED POLYMER MODIFIED CONJUGATED DIENE-BASED POLYMER AND MODIFIED CONJUGATED DIENE-BASED POLYMER COMPOSITION□

(51) International classification	:C08C 19/25
(31) Priority Document No	:2009-230412
(32) Priority Date	:02/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066431
Filing Date	:22/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ASAHI KASEI CHEMICALS CORPORATION
Address of Applicant :1-105 Kanda Jinbocho Chiyoda-ku
Tokyo 101-8101 Japan
(72)**Name of Inventor :**
1)YOSHIDA Junichi
2)SEKIKAWA Shinichi
3)MATSUDA Takaaki

(57) Abstract :

There are provided a modified conjugated diene-based polymer having a good balance between the hysteresis loss properties and the wet skid resistance practically sufficient abrasion resistance and fracture strength and high processability when formed into a vulcanized product and a modified conjugated diene-based polymer composition. A method for producing a modified conjugated diene-based polymer comprising: a polymerization step of polymerizing a conjugated diene compound or copolymerizing a conjugated diene compound with an aromatic vinyl compound using an alkali metal compound or an alkaline earth metal compound as a polymerization initiator to obtain a conjugated diene-based polymer having a reactive end and a modifying step of reacting a compound having a specific structure with the reactive end of the conjugated diene-based polymer.

No. of Pages : 55 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2448/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : FRESH WATER GENERATOR

(51) International classification	:C02F1/44
(31) Priority Document No	:2009-191820
(32) Priority Date	:21/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/058800
Filing Date	:25/05/2010
(87) International Publication No	:WO 2011/021420
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TORAY INDUSTRIES, INC.

Address of Applicant :1-1, NIHONBASHI-MUROMACHI 2-CHOME, CHUO-KU, TOKYO 103-8666 Japan

(72)Name of Inventor :

1)SUZUKI, HIRONOBU

2)TANAKA, YUJI

3)TAKABATAKE, HIROO

(57) Abstract :

Disclosed is a fresh water generator for fresh water production, which is effective to prevent a membrane life from becoming worse by suppressing the load on the membrane of a second semi-permeable membrane treatment facility (3) when the concentrated water produced by the treatment of a first semi-permeable membrane treatment facility (2), and water to be treated with different osmotic pressure there from are mixed and treated with the second semi-permeable membrane treatment facility (3) by the fresh water generator which comprises a means for storing the concentrated water produced from the first semi-permeable membrane treatment facility (2) and water (B) to be treated, which is separately supplied in a storage tank A (7) and a storage tank B (8) in such a manner that the flow rate (mixture ratio) of the concentrated water to the water (B) to be treated is maintained constant, and supplying the concentrated water and the water (B) to be treated from each of the storage tanks to the second semi-permeable membrane treatment facility (3) at a predetermined flow rate in at least a treatment process for treating water (A) to be treated with the first semi-permeable membrane treatment facility (2) so as to obtain fresh water.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2449/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : BASE STATION APPARATUS COMMUNICATION SYSTEM COMMUNICATION METHOD AND PROGRAM

(51) International classification	:H04W 8/00
(31) Priority Document No	:2009-190808
(32) Priority Date	:20/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/060297
Filing Date	:17/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SUMITOMO ELECTRIC INDUSTRIES LTD.
Address of Applicant :5-33 Kitahama 4-chome Chuo-ku
Osaka-shi Osaka 5410041 Japan.
2)SUMITOMO ELECTRIC NETWORKS INC
(72)**Name of Inventor :**
1)MURAKAMI Kenichi

(57) Abstract :

A femtocell base station is a base station apparatus connected to a fixed communication network through a terminating device for a wire communication line and communicable with a mobile phone by radio communication. The femtocell base station includes: an acquiring unit that acquires location information from the fixed communication network the location information being registered in a management server of the fixed communication network in connection with the terminating device; and a notifying unit that notifies a mobile communication network of the location information as location information related to the femtocell base station.

No. of Pages : 61 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2450/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : 3-PHASE HIGH POWER UPS

(51) International classification	:H02M 7/217
(31) Priority Document No	:12/544,815
(32) Priority Date	:20/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045587
Filing Date	:16/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)AMERICAN POWER CONVERSION CORPORATION
Address of Applicant :132 Fairgrounds Road West Kingston
RI 02892 United States of America. U.S.A.
(72)**Name of Inventor :**
1)NIELSEN Henning R.

(57) Abstract :

According to one aspect embodiments of the invention provide power converter circuitry including an input including a plurality of input lines each configured to be coupled to a phase of a multiphase AC power source having a sinusoidal waveform a plurality of DC buses including a first positive DC bus having a first nominal DC voltage a second positive DC bus having a second nominal DC voltage a first negative DC bus having a third nominal DC voltage and a second negative DC bus having a fourth nominal DC voltage; a first power converter coupled to the input and configured to supply power from the multiphase AC power source to the plurality of DC buses during a first positive region of the sinusoidal waveform and a first negative region of the sinusoidal waveform;

No. of Pages : 74 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2451/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ORGANOPHOSPHORUS COMPOUNDS CATALYTIC SYSTEMS COMPRISING SAID COMPOUNDS AND METHOD OF HYDROCYANATION USING SAID CATALYTIC SYSTEMS

(51) International classification :C07F 9/6571

(31) Priority Document No :0956428

(32) Priority Date :18/09/2009

(33) Name of priority country :France

(86) International Application No :PCT/EP2010/062755

Filing Date :31/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)RHODIA OPERATIONS

Address of Applicant :40 rue de la Haie Coq F-93306 Aubervilliers. France

(72)Name of Inventor :

1)MASTROIANNI Sergio

2)PRINGLE Paul

3)MALDONADO Ana

4)ROTHENBERG Gad

5)MIKHEL Igor

(57) Abstract :

The present invention relates to organophosphorus compounds belonging to the phosphinite-phosphite family catalytic systems comprising a metallic element forming a complex with said phosphinite-phosphite compounds and methods of hydrocyanation employed in the presence of said catalytic systems.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2452/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : BATTERY AND WIRELESS COMMUNICATION APPARATUS

(51) International classification :H01Q 1/52
(31) Priority Document No :2009-217822
(32) Priority Date :18/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/060244
Filing Date :16/06/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SHARP KABUSHIKI KAISHA
Address of Applicant :22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan
(72)**Name of Inventor :**
1)IKEHATA Kazuhiko
2)TAKEBE Hiroyuki

(57) Abstract :

Used is a battery a battery (100) including: a battery terminal (106); a circuit (108) being electrically connected with the battery terminal (106); and a resonance frequency adjusting section (110) being directly connected or capacitively-coupled with the circuit (108) and being electrically connected with the battery terminal (106) not via the circuit (108). This makes it possible to provide a battery which does not require electrical connection except via a battery terminal for connection with an apparatus on which the battery is mounted and which battery is unlikely to deteriorate an antenna characteristic.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2453/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ELASTOMER COMPOSITE BLENDS METHOD AND APPARATUS FOR PRODUCING SAME

(51) International classification :C08L 7/00
(31) Priority Document No :61/276,842
(32) Priority Date :17/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/002520
Filing Date :16/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CABOT CORPORATION
Address of Applicant :Two Seaport Lane Suite 1300 Boston
Massachusetts 02210-2019 USA
(72)Name of Inventor :
1)ZHANG Xuan
2)WANG Ting
3)MORRIS Michael D

(57) Abstract :

A wet mix elastomer composite comprising carbon black dispersed in an elastomer including a blend of a natural rubber and styrene-butadiene rubber. When the wet mix elastomer composite is processed with CTV Method 1 the vulcanized wet mix elastomer composite exhibits a resistivity that A) has a natural logarithm satisfying the equation $\ln(\text{resistivity}) = -0.1(\text{loading}) + x$ where x is 14 or B) is at least 2.9 times greater than the resistivity of a vulcanized dry mix elastomer composite having the same composition and prepared using Comparative CTV Method 1.

No. of Pages : 32 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2454/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DOWNHOLE TOOL HEAD FOR RELEASING PRECIPITATED SOLIDS

(51) International classification :E21B 27/00

(31) Priority Document No :09168401.9

(32) Priority Date :21/08/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/062195

Filing Date :20/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)WELLTEC A/S

Address of Applicant :Gydevang 25 DK-3450 Allerød
Denmark

(72)Name of Inventor :

1)HALLUNDBAEK Jørgen

2)JENSEN Sven Karsten

(57) Abstract :

The present invention relates to a downhole tool head (1) for mounting onto a downhole tool (10) for drilling in a formation downhole or for releasing precipitated solids (2) such as ice scales or the like in a cavity fluid in a pipeline a casing (3) a well or any other cavity downhole. The downhole tool head comprises a hollow cylindrical body (4) with a circumferential wall (5) extending from a base part of the body the circumferential wall having a circumferential rim (6) in its end opposite the base part. The circumferential rim (6) comprises a plurality of edges (8) for cutting grinding drilling and/or milling and the base part has a plurality of through-going holes (9) for letting cavity fluid comprising precipitated solids pass the holes.

No. of Pages : 22 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2425/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESSES AND SYSTEMS FOR COLLABORATIVE MANIPULATION OF DATA

(51) International classification :G06F17/30

(31) Priority Document No :12/559,702

(32) Priority Date :15/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/048936

Filing Date :15/09/2010

(87) International Publication No :WO 2011/034921 A1

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)FACTUAL INC.

Address of Applicant :11111 SANTA MONICA BLVD.,
SUITE 250, SANTA MONICA, CA 90025 U.S.A.

(72)Name of Inventor :

1)ELBAZ, GILAD

(57) Abstract :

Processes and systems are disclosed for accessing and providing information obtained from a source. The processes and systems allow for accessing data stored in an electronic storage medium and providing a first set of information derived from the data stored in the storage medium. The processes and systems also provide a second set of information comprising detail data underlying the summary data.

No. of Pages : 31 No. of Claims : 87

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2426/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SUNSHADE DEVICE

(51) International classification	:B60J3/00
(31) Priority Document No	:2009-292104
(32) Priority Date	:24/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/072699
Filing Date	:16/12/2010
(87) International Publication No	:WO 2011/078058
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ASHIMORI INDUSTRY CO., LTD.

Address of Applicant :10-18, KITAHORIE 3-CHOME,
NISHI-KU, OSAKA-SHI, OSAKA 5500014 Japan

(72)Name of Inventor :

1)KATADA, NAOCHIKA

(57) Abstract :

Included are: a windup device; a screen attached to the windup device so as to be drawn there from and housed therein; a stay attached to a drawing-side edge of the screen and including a main body and a pair of connecting end portions; and a pair of arms each including a distal end portion connected to the connecting end portion so as to rotate relative thereto and a proximal end portion supported by the windup device so as to rotate relative thereto, the pair of arms being configured to change a position between a folded position and an extended position through the rotary movement. The pair of arms each include: a pivot base including a one-end-side portion extending toward a vertical frame side in the extended position and the other-end-side portion extending along the vertical frame in a manner of being bent from a distal end portion of the one-end-side portion; and an arm portion connected the other-end-side portion and extending along the vertical frame in the extended position, and the pair of connecting end portions are each configured so as to extend and retract in a state of being biased in an extending direction along a drawing/housing direction of the screen.

No. of Pages : 34 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2440/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR THE SYNTHESIS OF 4,5,6,7-TETRACHLORO-3',6'-DIHYDROXY-2',4',5',7'-TETRAIODO-3H-SPIRO[ISOBENZOFURAN-1,9'-XANTHEN]-3-ONE (ROSE BENGAL) AND RELATED XANTHENES

(51) International classification :A01N43/16
(31) Priority Document No :61/243,701
(32) Priority Date :18/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/049341
Filing Date :17/09/2010
(87) International Publication No :WO 2011/035161 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)PROVECTUS PHARMACEUTICALS, INC.
Address of Applicant :7327 OAK RIDGE HIGHWAY,
KNOXVILLE, TENNESSEE-37931 U.S.A.
(72)Name of Inventor :
1)SINGER, JAMIE
2)WACHTER, ERIC, A.
3)SCOTT, TIMOTHY, C.
4)LUTZ, MARLON
5)BABIAK, KEVIN

(57) Abstract :

A new process for the manufacture of iodinated xanthenes in high purity includes a cyclization step followed by an iodination step. No extraction, chromatographic or solvent concentration steps are required, and the intermediate as well as final compounds are isolated via filtration or similar means, The process requires a single organic solvent, and the steps are completed at temperatures below 100°C. The exclusion of chloride ions, of chloride free-radicals, hypochlorite ions, or hypochlorous acid as reagents or from reagents that may generate these species in situ in the presence of oxidants, prevents undesirable impurity formation. Several new compounds have been conceived and isolated using these methods. These new compounds are also formed into new medicaments.

No. of Pages : 74 No. of Claims : 104

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2455/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : REINFORCEMENT COMPRISING PARALLEL ROVINGS OF GLASS STRANDS

(51) International classification :D04H 1/14

(31) Priority Document No :0904030

(32) Priority Date :21/08/2009

(33) Name of priority country :France

(86) International Application No :PCT/IB2010/053636

Filing Date :11/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)CHOMARAT Gilbert

Address of Applicant :Chemin des Hauts-Cr^{ts} 8 CH-1223
Cologne Switzerland Kenya

(72)Name of Inventor :

1)CHOMARAT Gilbert

(57) Abstract :

ABSTRACT The reinforcement according to the invention comprises a reinforcement layer (2) based on parallel rovings (2a) of continuous glass strands and one or two binding layers (3) consisting of portions of fibres having a heat-meltable surface. The assembly is consolidated by penetrating fibre portions (3b) that penetrate into the heat-meltable surface these penetrating over a part of their length into the reinforcement layer (2) and adhering to the continuous glass strands of the rovings (2 a).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2456/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HYDRAULIC CONTROL DEVICE

(51) International classification :F16H61/00
(31) Priority Document No :2009-192206
(32) Priority Date :21/08/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/058996
Filing Date :27/05/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HONDA MOTOR CO. LTD.
Address of Applicant :1-1 Minami-Aoyama 2-chome Minato-ku Tokyo 107-8556 Japan
(72)**Name of Inventor :**
1)YAGI Noriyuki

(57) Abstract :

A hydraulic control device is provided with a linear solenoid valve (1), a shift valve (2), and a controller. The linear solenoid valve (1) has a gain switching chamber (G1) which produces a biasing force in a direction to close the linear solenoid valve (1) to switch the gain characteristic of the linear solenoid valve (1) when oil pressure is supplied to the gain switching chamber (G1). The shift valve (2) is configured to be switchable between a supply state in which the output oil pressure from the linear solenoid valve (1) is supplied to the gain switching chamber (G1) and a blocked state in which the supply of the output oil pressure is blocked. The controller brings the shift valve (2) into the supply state when a necessary oil pressure of an engagement element (CL) is high and into the blocked state when the necessary oil pressure of the engagement element (CL) is low.

No. of Pages : 29 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2445/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMMUNICATION METHOD, COMMUNICATION SYSTEM, SERVER, AND PROGRAM

(51) International classification	:H04M3/00
(31) Priority Document No	:2009-218981
(32) Priority Date	:24/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063897
Filing Date	:18/08/2010
(87) International Publication No	:WO 2011/036966
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SONY CORPORATION
Address of Applicant :1-7-1 KONAN, MINATO-KU,
TOKYO 108-0075 Japan
(72)**Name of Inventor :**
1)KAZUHISA TAKAMURA

(57) Abstract :

Provided is a communication method, a communication system, a server, and a program capable of promptly providing a user with a service that is near the user. The communication method is provided, including a reading step of reading identification data including position information and information about the service by a device for using the service; a transmitting step of transmitting the read identification data to a predetermined communication channel by the device; a receiving step of receiving the transmitted identification data by the server; a communication channel selecting step of selecting a communication channel for providing the service based on the position information included in the received identification data by the server; an execution server selecting step of selecting an execution server executing a program for providing the service by the server based on information about the selected communication channel; an execution step of executing the program by the selected execution server; and an execution result transmitting step of transmitting the result of the execution of the program to the device by the selected execution server.

Representative Drawing

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2458/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MULTIMARKER PANEL FOR LEFT VENTRICULAR HYPERTROPHY

(51) International classification	:G01N 33/68
(31) Priority Document No	:09011888.6
(32) Priority Date	:17/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/063637
Filing Date	:16/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

Address of Applicant :124 Grenzacherstrasse CH-4070 Basel
Switzerland

(72)Name of Inventor :

1)HESS Georg

2)HORSCH Andrea

3)ZDUNEK Dietmar

(57) Abstract :

The present invention relates to a method for diagnosing or distinguishing in a subject having left ventricular hypertrophy if the subject has physiological left ventricular hypertrophy or suffers from pathological left ventricular hypertrophy the method comprising the steps of a) determining the amounts of at least one marker selected from necrosis markers at least one marker selected from cardiac function markers and at least one marker selected from inflammatory markers in at least one sample of said subject b) comparing the thus determined amounts of the said markers as determined in step a) to suitable reference amounts and c) diagnosing if the subject is physiologically healthy or suffering from pathological left ventricular hypertrophy. In preferred embodiments of this method of the present invention the ratio of 2 markers is formed Optionally as a further marker P1GF is measured.

No. of Pages : 66 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2459/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR PREPARING 3-[(4S)-8-BROMO-1-METHYL-6-(2-PYRIDINYL)-4H-IMIDAZO[1,2-a][1,4]BENZODIAZEPINE-4-YL]PROPIONIC ACID METHYL ESTER OR THE BENZENE SULFONATE SALT THEREOF AND COMPOUNDS USEFUL IN THAT PROCESS

(51) International classification	:C07D 213/16
(31) Priority Document No	:09011914.0
(32) Priority Date	:18/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/005668
Filing Date	:15/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PAION UK LIMITED

Address of Applicant :Compass House Vision Park Chivers Way Cambridge Cambridgeshire-CB4 9ZR United Kingdom

(72)Name of Inventor :

1)TILBROOK Stuart Gary

2)SCHUMACHER Andreas

3)EMMENEGGER Ren

(57) Abstract :

The invention concerns a new process for preparing 3-[(4S)-8-bromo-1-methyl-6-(2-pyridinyl)-4H-imidazo[1,2-a][1,4]benzodiazepine-4-yl]-propionic acid methyl ester (F) or 3-[(4S)-8-bromo-1-methyl-6-(2-pyridinyl)-4H-imidazo[1,2-a][1,4]benzodiazepine-4-yl]propionic acid methyl ester benzene sulfonate (P) which comprises reacting 3-[(S)-7-bromo-2-((R and/or S)-2-hydroxy-propylamino)-5-pyridin-2-yl-3H-benzo[e][1,4]diazepin-3-yl]-propionic acid methyl ester of formula (EM) (EM) with an oxidizing agent and optionally treating the reaction product under acidic conditions such as to produce the compound of formula (F) or the compound (P) and new compounds useful as starting material or as intermediate for performing that process.

No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2474/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : FRESH WATER PRODUCTION METHOD

(51) International classification	:C02F 1/44
(31) Priority Document No	:2009-191819
(32) Priority Date	:21/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/058524
Filing Date	:20/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TORAY INDUSTRIES INC.

Address of Applicant :1-1 Nihonbashi-Muromachi 2-chome
Chuo-ku Tokyo 103-8666 Japan

(72)Name of Inventor :

1)OGIWARA Wakako

2)TAKABATAKE Hiroo

3)TANIGUCHI Masahide

(57) Abstract :

Provided is a fresh water production method applying a combined water-treatment technology employing a plurality of semi-permeable membrane units the method enabling prevention of problems caused by growth of a biofilm and allowing effective use of an injected chemical agent and an injected neutralizing agent. The fresh-water production method produces fresh water by treatment of source water (A1) by a semi-permeable membrane treatment device (A2) the concentrated water (A) resulting from the treatment by the semi-permeable membrane treatment device (A2) is mixed with other source water (B4) and the water mixture is treated by a second semi-permeable membrane treatment device (B6) . A first chemical agent is injected continuously or intermittently into the source water (A1) and a second chemical agent is injected continuously or intermittently into the source water (B4)

No. of Pages : 87 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2461/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ILLUMINATION SYSTEM

(51) International classification :G02B 6/00
(31) Priority Document No :09170762
(32) Priority Date :18/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/US2010/049264
Filing Date :17/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :P.O. Box 33427 St. Paul Minnesota
55133-3427 USA
(72)**Name of Inventor :**
1)RUDEK David M.
2)SCHMUCK Eric

(57) Abstract :

An illumination system incorporating an optical element such as an optical fibre is disclosed. The system comprises at least one light source and an optical element configured to emit visible light from a series of emission points located along its length when coupled to the light source. Each end of the optical element and the light source are held within a sleeve such that the optical element forms a continuous light guide. The optical element is further adapted to fit within a housing and to be held in tension within that housing such that the optical element sits within the housing in a preferred orientation. Preferably the light source is a light emitting diode.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2462/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : STABILIZATION OF ENZYMES WITH STABLE COENZYMES

(51) International classification :C12N 9/96
(31) Priority Document No :09168327.6
(32) Priority Date :20/08/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/062045
Filing Date :18/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

Address of Applicant :124 Grenzacherstrasse CH-4070 Basel
Switzerland

(72)Name of Inventor :

1)R-DEL Wolfgang

2)HORN Carina

3)STEINKE Nelli

4)BUCCI Nadine

5)MEIER Thomas

6)SCHMUCK Rainer

7)NAGEL Rolf

8)HEINDL Dieter

(57) Abstract :

The present invention concerns a method for stabilizing an enzyme by storing the enzyme in the presence of a stabilized coenzyme. In addition the present invention concerns an enzyme stabilized with a stabilized coenzyme as well as the use thereof in test elements for detecting analytes.

No. of Pages : 73 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2463/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : FORMATION OF LATEX COAGULUM COMPOSITE

(51) International classification :C08J3/24
(31) Priority Document No :61/276,876
(32) Priority Date :17/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/002523
Filing Date :16/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CABOT CORPORATION
Address of Applicant :Two Seaport Lane Suite 1300 Boston
Massachusetts 02210-2019 USA
(72)**Name of Inventor :**
1)WANG Ting
2)WANG Meng-Jiao
3)MARIADASS Bernard
4)GOVINDAN ThirunavucKarasu
5)THIRUHELVANATHAN Anthony das
6)LEE Boon Kwang
7)ZHANG Xuan

(57) Abstract :

A method of producing a coagulated latex composite. A coagulating mixture of a first elastomer latex and a particulate filler slurry is flowed along a conduit and a second elastomer latex is introduced into the flow of the coagulating mixture.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2464/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR THE COMBINED RESIDUE GASIFICATION OF LIQUID AND SOLID FUELS

(51) International classification	:C10J 3/50
(31) Priority Document No	:PCT/EP2010/005542
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005542
Filing Date	:09/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ThyssenKrupp Uhde GmbH

Address of Applicant :Friedrich-Uhde-Strasse 15 44141
Dortmund Germany

(72)Name of Inventor :

1)HANROTT Christoph

2)HEINRITZ-ADRIAN Max

3)BRANDL Adrian

(57) Abstract :

The invention relates to a process for joint entrained-bed gasification of ash-containing solid fuels and liquid fuels which are fed separately of each other to the coal gasification reactor via several burners said burners having a concentric firing angle of greater than 0 degree such that soot formation is reduced and the conversion efficiency is increased and the solid is conveyed to the gasification reactor together with an inert gas and at least part of the ash-containing solid fuel contains fine coal particles which originate from coal mining and are not suited for fixed-bed gasification and the liquid ash-containing fuel contains residues from a fixed-bed gasification.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2465/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A COMB AND METHOD FOR CLEANING THEREOF

(51) International classification :A45D 24/42

(31) Priority Document No :61/242,814

(32) Priority Date :16/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IL2010/000748

Filing Date :13/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)KRISHEVSKI Aharon

Address of Applicant :24 Nahar Hayarden Street Apt. 9

Ramat Beit Shemesh B 99311 Beit Shemesh Israel

(72)Name of Inventor :

1)KRISHEVSKI Aharon

(57) Abstract :

In one aspect the present invention is directed to a comb (2) comprising teeth (4) extending from the body (8) of said comb said comb comprising: a teeth cleaner (14) comprising a perforated bar (6) in which the holes (20) thereof surround said teeth (4) wherein said perforated-bar (6) and said teeth (4) are movable one along and in relation to the other thereby allowing removing stuck objects from said teeth (4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2478/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A SUSTAINED RELEASE PRODUCT COMPRISING A COMBINATION OF A NON-OPIOID AMINE AND A NON-STERIODAL ANTI-INFLAMMATORY DRUG

(51) International classification :A61K 9/20
(31) Priority Document No :61/243,391
(32) Priority Date :17/02/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2009/069912
Filing Date :31/12/2009
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)UPSHER-SMITH LABORATORIES INC
Address of Applicant :6701 Evenstad Drive Maple Grove
Minnesota-55639 U.S.A.
(72)**Name of Inventor :**
1)WERTZ Christian F.
2)JENSEN James S.
3)ONEILL Victoria Ann
4)MAHONEY Sean B.
5)BERGE Stephen M.

(57) Abstract :

ABSTRACT Sustained release oral pharmaceutical compositions and methods of use wherein the compositions are in a single dosage form and include an amine-containing compound (including salts thereof) a salt of a non-steroidal anti-inflammatory drug (NSAID) and a hydrophilic matrix.

No. of Pages : 74 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2466/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SILICONS EMULSIONS AND METHODS FOR THE PRODUCTION THEREOF

(51) International classification :C08L83/04
(31) Priority Document No :10 2009 029 520.8
(32) Priority Date :16/09/2009
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2010/062667
Filing Date :31/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)WACKER CHEMIE AG
Address of Applicant :Hanns-Seidel-Platz 4 D-81737
München Germany
(72)**Name of Inventor :**
1)RAUTSCHEK Holger

(57) Abstract :

The invention relates to aqueous silicone emulsions which contain high-viscosity polyorganosiloxanes and at least one emulsifier of formula (RO) nP (O) (OH) (3-n) (I) where R can be identical or different and represents monovalent carbon groups that have 4 to 30 carbon atoms and n is 1 or 2 and/or the salts of said emulsifier and which have a particularly low cyclic siloxane content. The invention further relates to methods for producing said emulsions and the use thereof especially in body care products.

No. of Pages : 40 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2467/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ANTI-OBESITY AGENT, ANTI-OBESITY FOOD OR BEVERAGE, GLUCOSE TOLERANCE-AMELIORATING AGENT, AND FOOD OR BEVERAGE FOR AMELIORATION OF GLUCOSE TOLERANCE

(51) International classification	:A61K35/74
(31) Priority Document No	:2009-215836
(32) Priority Date	:17/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066193
Filing Date	:17/09/2010
(87) International Publication No	:WO 2011/034166
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)MORINAGA MILK INDUSTRY CO., LTD.
Address of Applicant :33-1, SHIBA 5-CHOME, MINATO-KU, TOKYO, 108-8384 Japan
(72)**Name of Inventor :**
1)KONDO, SHIZUKI
2)SHIMIZU, KANETADA

(57) Abstract :

An anti-obesity agent or a glucose tolerance-ameliorating agent containing a bacterium belonging to the genus Bifidobacterium as an active ingredient, wherein the bacterium belonging to the genus Bifidobacterium exhibits a conversion rate from linoleic acid into conjugated linoleic acid of not more than 10%. The present invention is able to provide an anti-obesity agent and a glucose tolerance-ameliorating agent that are effective for the prevention or treatment of obesity or the amelioration of glucose tolerance and also exhibit superior safety, as well as providing foods or beverages containing these agents. Further, the present invention is also able to provide a bacterium of the genus Bifidobacterium, and in particular a Bifidobacterium breve, that is effective for the prevention or treatment of obesity or the amelioration of glucose tolerance and also exhibits superior safety, as well as providing a pharmaceutical composition containing this bacterium.

No. of Pages : 41 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2468/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : STABLE NANO TITANIA SOLS AND A PROCESS FOR THEIR PRODUCTION

(51) International classification	:C01G23/047
(31) Priority Document No	:0916329.6
(32) Priority Date	:17/09/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051515
Filing Date	:10/09/2010
(87) International Publication No	:WO 2011/033286 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TIOXIDE EUROPE LIMITED

Address of Applicant :HAVERTON HILL ROAD,
BILLINGHAM, STOCKTON-ON-TEES, COUNTY DURHAM
TS23 1PS U.K.

(72)Name of Inventor :

1)EDWARDS, JOHN

2)LOWRY, KARL

(57) Abstract :

The present invention provides a process for producing a concentrated aqueous nano titania sol in the mild pH range (4.0 to 10.0) comprising contacting an acidic nano titania sol with a dispersant and with an alkalizing agent, and subjecting the nano titania sol to membrane filtration until the nano titania sol contains more than 300 g TiO₂ nanoparticles/dm³. The nano titania sol may further be subjected to a coating treatment within any of the steps of the above described process. The concentrated aqueous nano titania sol of this disclosure is suitable for use in a variety of applications, including providing UV protection and photochemically degrading or inactivating contaminants.

No. of Pages : 23 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2469/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : TEXTILE CORE HAVING CONTINUOUS GLASS FIBERS

(51) International classification	:D04H13/00
(31) Priority Document No	:09 04029
(32) Priority Date	:21/08/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/IB2010/053635
Filing Date	:11/08/2010
(87) International Publication No	:WO 2011/021133
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)CHOMARAT, GILBERT
Address of Applicant :CHEMIN DES HAUTS-CRETS 8, CH-1223 COLOGNY Switzerland
(72)**Name of Inventor :**
1)CHOMARAT, GILBERT

(57) Abstract :

The core according to the invention comprises a thick, well-ventilated inner layer (2) made of fragmented slivers of continuous glass fibers (2a), the inner layer (2) being covered with two outer layers (3, 4) that consist of fiber segments having a hot-melt surface. The assembly is secured by penetrating fiber segments (3b, 4b) having a hot-melt surface, said segments penetrating, along part of the length thereof, into the inner layer (2) and adhering to the continuous glass fibers (2a).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2481/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SIMPLIFIED STORAGE OF INTEGRATED SYSTEMS

(51) International classification :G01N33/487

(31) Priority Document No :09168331.8

(32) Priority Date :20/08/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/062179

Filing Date :20/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

Address of Applicant :124 Grenzacherstrasse CH-4070 Basel
Switzerland

(72)Name of Inventor :

1)HORN Carina

2)FREITAG Christian

3)HAAR Hans-Peter

4)EIKMEIER Heino

(57) Abstract :

The present invention concerns storage containers for storing at least one diagnostic test element which comprises an enzyme and a stabilized coenzyme diagnostic products which comprise such diagnostic test elements as well as analytical measuring devices which comprise such storage containers or diagnostic products.

No. of Pages : 60 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.2457/CHENP/2012 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONNECTOR

(51) International classification :F21V 8/00
(31) Priority Document No :09170759.6
(32) Priority Date :18/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/US2010/049205
Filing Date :17/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :P.O. Box 33427 St. Paul Minnesota
55133-3427 U.S.A.
(72)**Name of Inventor :**
1)PURFUERST Joerg Roberto
2)SCHUMANN Norbert
3)KELLER Thomas
4)SCHWARZ Werner
5)RUDEK David M.
6)SCHMUCK Eric

(57) Abstract :

A connector adapted for use in an illumination system comprising at least one optical element such as an optical fibre. is disclosed. The connector comprises a housing dimensioned so that internally it retains at least one end portion of at least one optical element and externally substantially follows the shape of the end portion(s) of the optical element(s). This forms a join between the ends of the optical element(s). A light source is also contained within the housing and positioned so as to illuminate the end portions of at least one optical element. Electrical connection means adapted to connect the light source to an external power supply are provided. The electrical connection means being moveable relative to the housing. The electrical connection means may be carried by a flexible substrate or may be formed by slideable contacts within a light guide rail.

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2470/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METAL OXIDE-METAL COMPOSITE SPUTTERING TARGET

(51) International classification :C23C14/34
(31) Priority Document No :2009-217750
(32) Priority Date :18/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/065988
Filing Date :15/09/2010
(87) International Publication No :WO 2011/034110
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)KOBELCO RESEARCH INSTITUTE, INC.
Address of Applicant :1-5-1, WAKINOHAMA-KAIGAN-DORI, CHUO-KU, KOBE-SHI, HYOGO-651-0073 Japan
(72)**Name of Inventor :**
1)MATSUZAKI, HITOSHI
2)TAKAGI, KATSUTOSHI
3)JIJO, NORIHIRO
4)EHIRA, MASAYA

(57) Abstract :

Disclosed is a metal oxide-metal composite sputtering target which is useful for the formation of a recording layer for an optical information recording medium, said recording layer containing a metal oxide and a metal. Specifically disclosed is a composite sputtering target containing a metal oxide (A) and a metal (B), wherein the maximum value of the circle-equivalent diameter of the metal oxide (A) is controlled to 200 um or less.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2473/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : NEW ASTROVIRUS SPECIES

(51) International classification	:C07H 21/00
(31) Priority Document No	:61/235,126
(32) Priority Date	:19/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045928
Filing Date	:18/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)BLOOD SYSTEMS INC.
Address of Applicant :6210 East Oak Street Scottsdale AZ
85257 United States of America.
(72)**Name of Inventor :**
1)DELWART Eric
2)KAPOOR Amit
3)LI Linlin

(57) Abstract :

Provided herein are sequences of the genomes and encoded proteins of new astrovirus species and variants thereof. Also provided are methods of detecting the new astrovirus species and diagnosing astrovirus infection methods of treating or preventing astrovirus infection and methods for identifying anti-astrovirus compounds. Provided are two new astrovirus species named HMOAstV-A and HMOAstV-B and both are distantly related to known astroviruses. Also provided is a new method of classifying astroviruses where there are three groups of human astroviruses including HAsV AstV-MLB and HMOAstV.

No. of Pages : 119 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2485/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : APPARATUS AND METHOD FOR TRANSMITTING DATA IN LOW-FREQUENCY BAND IN HUMAN BODY COMMUNICATION SYSTEM&NBSP; AND THE HUMAN BODY COMMUNICATION SYSTEM

(51) International classification :H04J 13/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/KR2010/002935

Filing Date :07/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :416 Maetan-dong Yeongtong-gu
Suwon-si Gyeonggi-do 442-742 Republic of Korea

(72)Name of Inventor :

1)Sang-yun HWANG

2)Chul-jin KIM

3)Jahng-sun PARK

4)Jong-rim LEE

5)Hyun-kuk CHOI

6)Chang-ryong HEO

7)Seong-jun SONG

(57) Abstract :

The present invention proposes a method for transmitting data considering a non-contact state of a human body, while selecting a central frequency in various ranges in the human body communication system. To this end, a first embodiment of the present invention proposes a human body communication system in which a central frequency can be simply moved, and specifically, proposes a data transmission apparatus comprising a frequency shifter which shifts the output of a multiplexer into a specified frequency so as to enable the central frequency to be moved. In addition, a second embodiment of the present invention proposes a human body communication system which controls not only central frequency selection and transmission band minimization, but also a data rate, modulation, etc, and thus can perform stable communication in a non-contact state of a human body. Through this, it is possible to maximize the band efficiency, and to transmit data considering a non-contact state of a human body.

No. of Pages : 37 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2479/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR AVOIDING AN INTERCEPTING VEHICLE BY AN AIRBORNE MOVING BODY

(51) International classification :G01S 13/44

(31) Priority Document No :0904441

(32) Priority Date :17/09/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/000619

Filing Date :13/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)MBDA France

Address of Applicant :37 Boulevard de Montmorency F-75016 Paris France

(72)Name of Inventor :

1)POIRIER Serge

2)MICHAUD Frdric

(57) Abstract :

According to the invention the avoidance system (1A) comprises means (13) for determining from at least the value of a parameter for the movement ($R \quad V_r$) of an intercepting vehicle relative to said moving body and from the incoming direction ($O_o \quad eo$) of said vehicle relative to said moving body an order of avoidance intended for said automatic means of piloting said moving body in such a way that the latter automatically carries out a maneuver for avoiding said vehicle.

No. of Pages : 32 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2480/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MOUNTING MAT

(51) International classification	:F01N 3/021
(31) Priority Document No	:09170723.2
(32) Priority Date	:18/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/US2010/049271
Filing Date	:17/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)3M Innovative Properties Company

Address of Applicant :3M Center Post Office Box 33427
Saint Paul Minnesota 55133-3427 U.S.A.

(72)Name of Inventor :

1)KUNZE Ulrich

2)KRIEG Harald H.

3)REIMANN Stefan R.

(57) Abstract :

A mounting mat for a pollution control device is disclosed. The device comprises at least a first sheet and a second sheet and at least one holding means for holding the at least first and second sheets together. The holding means are adapted to (i) hold the at least first and second sheets together whilst allowing movement of the at least first and second sheets parallel to each other in the region where the holding means is positioned; and/or (ii) to break upon wrapping around a body thereby allowing movement of the at least first and second sheets parallel to each other in the region where the holding means is positioned. A pollution control device containing such a mat and method of making a pollution control device containing such a mat are also disclosed.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2490/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHODS FOR IMPROVING MALIC ACID PRODUCTION IN FILAMENTOUS FUNGI

(51) International classification :C12N 9/00
(31) Priority Document No :61/238,962
(32) Priority Date :01/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047002
Filing Date :27/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NOVOZYMES INC.
Address of Applicant :1445 Drew Avenue Davis California
95618 United States of America.
(72)**Name of Inventor :**
1)BROWN Stephen
2)LUTTRINGER Sheryl
3)YAYER Debbie
4)BERRY Alan

(57) Abstract :

The present invention relates to methods of producing a C4 dicarboxylic acid comprising: (a) cultivating a filamentous fungal host cell comprising a polynucleotide selected from the group consisting of a heterologous first polynucleotide encoding a C4 dicarboxylic acid transporter a heterologous second polynucleotide encoding a malate dehydrogenase and a heterologous third polynucleotide encoding a pyruvate carboxylase; wherein the filamentous fungal host cell is capable of secreting increased levels of the C4 dicarboxylic acid compared to the filamentous fungal host cell without the heterologous polynucleotide when cultivated under the same conditions; and (b) recovering the C4 dicarboxylic acid. The present invention also relates to methods for increasing C4 dicarboxylic acid production filamentous fungal host cells and malate dehydrogenase variants.

No. of Pages : 196 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2491/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PEPTIDE NUCLEIC ACID PROBES KIT AND METHOD FOR DETECTING HELICOBACTER PYLORI AND/OR CLARITHROMYCIN RESISTANCE PROFILE AND APPLICATIONS□

(51) International classification :C12Q 1/68
(31) Priority Document No :104744
(32) Priority Date :11/09/2009
(33) Name of priority country :Portugal
(86) International Application No :PCT/IB2010/054108
Filing Date :13/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)UNIVERSIDADE DO MINHO
Address of Applicant :Largo do Paço P-4700-320 Braga Portugal.
(72)Name of Inventor :
1)RIBEIRO PINTO DE OLIVEIRA AZEVEDO Nuno Filipe
2)MACIEIRA CERQUEIRA Laura Isabel
3)TORRES FARIA Nuno Ricardo
4)LOPES DA COSTA VIEIRA Maria João

(57) Abstract :

The present invention refers to four peptide nucleic acid probes (PNA) for the detection of Helicobacter pylori and/or response analysis of Helicobacter pylori strains to clarithromycin. These probes are based in molecular biology methods namely fluorescence in situ hybridization (FISH) that are used in H. pylori clarithromycin susceptibility diagnosis in several sample types including clinical isolates and biopsies. Due to physical and chemical characteristics inherent in its structure these probes allow a faster and more sensitive hybridization. A second aspect of the present invention is related with the development of a kit where it is possible to use one or several probes described here and the related process of detection or quantification. The purpose of this kit is to identify H. pylori and its response to clarithromycin in clinical samples.

No. of Pages : 29 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2475/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR THE THREE-DIMENSIONAL DIGITISATION OF A SURFACE COMPRISING THE PROJECTION OF A COMBINED PATTERN

(51) International classification :G06T
(31) Priority Document No :09/04459
(32) Priority Date :18/09/2009
(33) Name of priority country :France
(86) International Application No :PCT/FR2010/000593
Filing Date :30/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SCHNEIDER ELECTRIC INDUSTRIES SAS
Address of Applicant :35 rue Joseph Monier F-92500 Rueil
Malmaison France
(72)**Name of Inventor :**
1)NEREAU Jean Pierre
2)GRUMEL Christophe
3)ANGLADE Herv
4)RIVAL Marc

(57) Abstract :

In order to take maximum advantage of the modularity provided by a multipole circuit breaker with double enclosure (100) a new architecture is proposed. The outer case (48) of the switchgear apparatus (100) is formed directly when assembly of the breaking device (600) is performed by juxtaposition and securing between single-pole breaking units (10) spacers (46) and side walls (50) trip device (7) and cover (64). The spacers (46) can thus be used for various functionalities and in particular to modify the external aspect of the switchgear apparatus (100) or the nature of the trip device (7) in delayed manner.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2476/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : RECORDING LAYER FOR OPTICAL INFORMATION RECORDING MEDIUM OPTICAL INFORMATION RECORDING MEDIUM AND SPUTTERING TARGET

(51) International classification	:G11B 7/243
(31) Priority Document No	:2009-217351
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066259
Filing Date	:17/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL LTD.)
Address of Applicant :10-26 Wakinohama-cho 2-chome Chuo-ku Kobe-shi Hyogo 651-8585 Japan
2)SONY CORPORATION
(72)Name of Inventor :
1)TAUCHI Yuki
2)SHIDA Yoko
3)SONE Yasuhiro

(57) Abstract :

A recording layer for optical information recording medium excellent in recording property an optical information recording medium including the recording layer and a sputtering target useful for formation of the recording layer are provided. It relates to a recording layer for an optical information recording medium on which recording is performed through irradiation with a laser light the recording layer comprising: an oxide of a metal X of which an absolute value of the standard free energy of oxide formation per 1 mol of oxygen is larger than those of Pd and Ag; a Pd oxide; and an Ag oxide wherein a ration of the Pd atom to a total of the metal X atom.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2477/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CHROMENE COMPOUND

(51) International classification :C07D 311/94
(31) Priority Document No :2009-217583
(32) Priority Date :18/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/066467
Filing Date :15/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)TOKUYAMA CORPORATION
Address of Applicant :1-1 Mikage-cho Shunan-shi
Yamaguchi-745-0053 Japan Japan
(72)Name of Inventor :
1)TAKAHASHI Toshiaki
2)TAKENAKA Junji
3)MOMODA Junji
4)SANDO Mitsuyoshi
5)TERANISHI Kazuhiro

(57) Abstract :

A photochromic chromene compound having an indeno(2,1-f) naphtho (1, 2-b)pyran structure as its basic skeleton, an aryl group or a heteroaryl group at the 6-position carbon atom of the structure and an electron donor group having a Hammett constant gp of not more than -0.1 at the 7-position carbon atom.

No. of Pages : 118 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2488/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WIND TURBINE BLADE HAVING A FORWARDLY ORIENTED FLOW GUIDING DEVICE

(51) International classification :F03D 1/06
(31) Priority Document No :09172597.8
(32) Priority Date :08/10/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/065076
Filing Date :08/10/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LM GLASFIBER A/S
Address of Applicant :Jupitervej 6 DK-6000 Kolding
Denmark.
(72)Name of Inventor :
1)FUGLSANG Peter
2)BOVE Stefano
3)GRABAU Peter
4)SUBRAHMANYAM V.V.
5)LUND Brian
6)JENSEN Lars E.
7)RADHAKRISHNAN Sreeram Kottumuklu

(57) Abstract :

A wind turbine blade with a flow guiding device attached to a profiled contour on a pressure side of the blade is described. The flow guiding device has a front surface facing toward an oncoming airflow and comprises at least a first portion which is angled towards the oncoming airflow and a leading edge of the wind turbine blade.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2500/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ADAPTIVE MODULATION AND CODING SCHEME ADJUSTMENT IN WIRELESS NETWORKS

(51) International classification :H04W28/04
(31) Priority Document No :61/242,552
(32) Priority Date :15/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2010/001438
Filing Date :15/09/2010
(87) International Publication No :WO 2011/032274 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ROCKSTAR BIDCO, LP
Address of Applicant :1285 AVENUE OF THE AMERICAS,
NEW YORK, NEW YORK 10019-6064 U.S.A.
(72)Name of Inventor :
1)HONG REN
2)XIXIAN CHEN
3)PING YU
4)MIRCEA MITRESCU

(57) Abstract :

In a method of adjusting a modulation and coding scheme (MCS) level for a transmission on a communication channel between a base station and a mobile terminal, at' the base station: a target value for an error metric is defined; the error metric is measured; an MCS offset based on a degree of deviation of the measurement of the error metric from the target value is determined; an indication of a channel quality measurement for the communication channel is received from the mobile terminal; a pre-adjusted MCS level corresponding to the indication of the channel quality measurement is 1 determined using a fixed mapping between a set of channel quality levels and a corresponding set of MCS levels; an adjusted MCS level is determined by adding the MCS offset to the pre-adjusted MCS level; and the adjusted MCS level is assigned to the transmission.

No. of Pages : 40 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2493/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING AN IDENTIFIER FOR A CALLER ID FUNCTION IN A TELECOMMUNICATION SYSTEM

(51) International classification	:H04L12/66
(31) Priority Document No	:61/248,740
(32) Priority Date	:05/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051320
Filing Date	:04/10/2010
(87) International Publication No	:WO 2011/044041 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)VONAGE NETWORK LLC
Address of Applicant :23 MAIN STREET, HOLMDEL, NEW JERSEY 07733 U.S.A.
(72)**Name of Inventor :**
1)MA, KEVIN KA-YUI
2)WILTON, ART
3)VILLANI, PASQUALE
4)SMIRES, DANIEL T.
5)SOUTH, MICHAEL
6)GUO, ZHIYU

(57) Abstract :

Method, apparatus, and computer readable medium for providing an identifier for a caller identifier (ID) function when processing a communication request between a calling party and a called party in a communication network is described. In some examples, an initial identifier for the caller ID function associated with the calling party is received. A determination is made if the calling party has a virtual identifier configured in the communication network. A determination is made if the called party has a predefined identifier associated with the calling party configured in the communication network. The initial identifier is replaced with a terminating identifier based on configuration of the virtual identifier and the predefined identifier in the communication network.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2503/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DEVICE FOR INHIBITING HARMONIC AMPLIFICATION ON THE THIRD WINDING SIDE OF AN EXTRA-HIGH VOLTAGE /ULTRA-HIGH VOLTAGE TRANSFORMER

(51) International classification :H01F 27/34
(31) Priority Document No :200910168252.4
(32) Priority Date :20/08/2009
(33) Name of priority country :China
(86) International Application No :PCT/CN2010/001257
Filing Date :19/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)CHINA ELECTRIC POWER RESEARCH INSTITUTE

Address of Applicant :No. 15 Xiaoyingdonglu Qinghe
Haidian District Beijing 100 192 China

2)STATE GRID CORPORATION OF CHINA

(72)Name of Inventor :

1)ZHANG Zhiqiang

2)XIANG Zutao

3)BAN Liangeng

4)LIN Jiming

5)WANG Xiaotong

6)WANG Xiaotong

7)SUN Gang

8)QIU Ning

(57) Abstract :

A device for inhibiting harmonic amplification on the third winding side of an extra-high voltage/ ultra-high voltage transformer includes at least two groups of parallel capacitors (101a 101b). Each group of parallel capacitors comprises three capacitors (Xc1 Xc2) and three reactors (XL1 XL2) wherein after each capacitor is connected in series with a reactor to form three series circuits the three series circuits are connected in parallel. The capacities of all capacitors in the groups of parallel capacitors are equal. At least one group of parallel capacitors has a first series reactance rate while other groups of parallel capacitors have a second series reactance rate. The first series reactance rate is different from the second series reactance rate. The device can inhibit harmonic amplification on the third winding side of the extra-high voltage/ ultra-high voltage transformer.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2506/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : OPENING CIRCUIT BREAKER OPENING/CLOSING CIRCUIT BREAKER OPENING/CLOSING SYSTEM AND OPENING METHOD FOR ULTRA HIGH VOLTAGE ALTERNATING CURRENT POWER TRANSMISSION LINES

(51) International classification :H02J 3/38		(71)Name of Applicant :
(31) Priority Document No :200910168255.8		1)CHINA ELECTRIC POWER RESEARCH INSTITUTE
(32) Priority Date :20/08/2009		Address of Applicant :No. 15 Xiaoyingdonglu Qinghe
(33) Name of priority country :China		Haidian District Beijing 100 192 China
(86) International Application No :PCT/CN2010/001258		2)STATE GRID CORPORATION OF CHINA
Filing Date :19/08/2010		(72)Name of Inventor :
(87) International Publication No : NA		1)LIN Jiming
(61) Patent of Addition to Application Number :NA		2)BAN Liangeng
Filing Date :NA		3)WANG Xiaogang
(62) Divisional to Application Number :NA		4)WANG Xiaotong
Filing Date :NA		5)XIANG Zutao
		6)SUN Gang
		7)ZHENG Bin
		8)HAN Bin

(57) Abstract :

An opening circuit breaker (21 41) an opening/closing circuit breaker an opening/closing system and an opening/closing method for ultra-high voltage (UHV) alternating current power transmission lines (30) are provided. The opening/closing method has only a step of opening an opening circuit breaker composed of primary switches (K11 K21). Instead of employing a closing resistor as a shared opening/closing resistor or additionally providing an opening resistor merely closing resistors (RH1 RH2) are provided in the UHV circuit breaker. An industrial technical prejudice that opening resistors must be provided for an opening circuit breaker for the UHV AC power transmission lines is overridden. Besides the opening/closing system thus provided may lower project costs improve device reliability and the operation reliability of the whole UHV AC transmission system.

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2507/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WIND TURBINE BLADE WITH PLURALITY OF LONGITUDINALLY EXTENDING FLOW GUIDING DEVICE PARTS

(51) International classification	:F03D 1/06
(31) Priority Document No	:09172594.5
(32) Priority Date	:08/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/065075
Filing Date	:08/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)LM GLASFIBER A/S
Address of Applicant :Jupitervej 6 DK-6000 Kolding
Denmark
(72)**Name of Inventor :**
1)FUGLSANG Peter
2)BOVE Stefano
3)SUBRAHMANYAM V.V.
4)LUND Brian
5)JENSEN Lars E.
6)RADHAKRISHNAN Sreeram Kottumuklu

(57) Abstract :

A wind turbine blade with a plurality of flow guiding device parts attached to a profiled contour on a pressure side of the blade is described. The longitudinally extending flow guiding device parts are grouped together to form a first flow guiding device group in the transition region of the blade.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2482/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : IMAGE CONSTRUCTION APPARATUS AND COMPUTER-READABLE MEDIA

(51) International classification :G09G 5/00
(31) Priority Document No :2009-214374
(32) Priority Date :16/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/056247
Filing Date :06/04/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MITSUBISHI ELECTRIC CORPORATION
Address of Applicant :7-3 Marunouchi 2-chome Chiyoda-ku
Tokyo 100-8310 Japan
(72)**Name of Inventor :**
1)KATSUKURA Makoto
2)NAKATA Masanori

(57) Abstract :

An image construction apparatus (10) has functions of based on an instruction from a user creating a binary-coded program creating a database and associating the database with an image part. The use of those functions allows the user to easily construct an image including an image part associated with both the program and the database. The invention enable easy association of information on an apparatus to be operated with image parts constructing an image displayed by a remote control apparatus. The invention is suitable for constructing the screen of the remote control apparatus having a graphical user interface.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2483/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : POWDERED THERMOPLASTIC POLYOLEFIN ELASTOMER COMPOSITION FOR SLUSH MOLDING PROCESSES

(51) International classification	:C08L 23/04
(31) Priority Document No	:61/243,608
(32) Priority Date	:18/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048329
Filing Date	:10/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Dow Global Technologies LLC
Address of Applicant :2040 Dow Center Midland Michigan
48674 U.S.A.
(72)**Name of Inventor :**
1)KRABBENBORG Franciscus

(57) Abstract :

The present invention relates to a thermoplastic polyolefin elastomer composition in powder form comprising (i) an olefin block copolymer or (ii) a substantially linear ethylene polymer and/or a linear ethylene polymer and propylene polymer blend. Said composition demonstrates good pulverizing and flow characteristics at ambient temperature. In another aspect this invention relates to a process for preparing said thermoplastic polyolefin elastomer powder and applications for using said powder. In a further aspect this invention relates to slush molding said thermoplastic polyolefin elastomer composition into skins particularly skins for automotive interior applications such as instrument panels.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2484/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : RECORDING LAYER FOR OPTICAL INFORMATION RECORDING MEDIUM OPTICAL INFORMATION RECORDING MEDIUM AND SPUTTERING TARGET

(51) International classification :G11B 7/243
(31) Priority Document No :2009-217352
(32) Priority Date :18/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/066099
Filing Date :16/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL LTD.)
Address of Applicant :10-26 Wakinohama-cho 2-chome
Chuo-ku Kobe-shi Hyogo 651-8585 Japan
2)SONY CORPORATION
(72)Name of Inventor :
1)TAUCHI Yuki
2)SHIDA Yoko
3)MIKI Takeshi
4)SONE Yasuhiro

(57) Abstract :

A recording layer for optical information recording medium excellent in recording property, an optical information recording medium including the recording layer and a sputtering target useful for formation of the recording layer are provided. A recording layer for an optical information recording medium on which recording is performed through irradiation with laser light, the recording layer including an oxide of a metal of which an absolute value of the standard free energy of oxide formation per 1 mol of oxygen is larger than that of Pd (hereinafter referred to metal X) and a Pd oxide, wherein the Pd oxide includes a Pd monoxide and a Pd dioxide, and wherein a ratio of the Pd atom to a total of the metal X atom and the Pd atom which are contained in the recording layer is 4 to 85 atomic %.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2508/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AN APPARATUS

(51) International classification :G06F 17/30

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/061552

Filing Date :07/09/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)NOKIA CORPORATION

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo
Finland

(72)Name of Inventor :

1)Sujeet Shyamsundar Mate

2)Radu Ciprian Bilcu

3)Igor Danilo Diego Curcio

(57) Abstract :

An apparatus comprising at least one processor and at least one memory including computer program code the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus at least to perform: generating a content request comprising a first content parameter; receiving a first content message comprising at least one image frame associated with the first content parameter; determining at least one further content parameter dependent on the content message; generating a content selection message comprising the least one further content parameter; and receiving a further content message, wherein the further content message comprises content generated dependent on the at least one further content parameter.

No. of Pages : 45 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2509/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ARTICLE TRANSFER DEVICE AND STACKER CRANE HAVING SAME

(51) International classification :H01L 21/20
(31) Priority Document No :2009-192447
(32) Priority Date :21/08/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/061991
Filing Date :15/07/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)DAIFUKU CO. LTD
Address of Applicant :2-11 Mitejima 3-chome
Nishiyodogawa-ku Osaka-shi Osaka-555-0012 Japan
(72)**Name of Inventor :**
1)FUJITA Takashi

(57) Abstract :

An object is to provide an article transfer device in which articles, that have a length in the article lateral direction that is as small as possible, can be transferred. An article transfer device includes a placement support portion that is provided to a base platform and that includes a pair of divided placement support portions 17F and 17R for separately receiving and supporting both side portions, in the article lateral direction, of the bottom surface of an article, and a pair of clamp portions 18F and 18R that can be projected and retracted along an article transfer direction with respect to the placement support portion and that can be moved toward and away from each other by a clamp actuator M4 between gripping positions and releasing positions that are spaced apart wider, wherein the pair of divided placement support portions 17F and 17R are configured to be moved toward and away from each other within a movable range defined in the article lateral direction by a placement support portion actuator M4 and to face each other in close proximity when located in approach limit positions of the movable range. [Selected Drawings]

No. of Pages : 45 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2486/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : VEHICLE IN PARTICULAR A TOY ROBOT WITH VIBRATING MOTOR INCLUDING A FORWARD ECCENTRIC WEIGHT□

(51) International classification :B65□ 51/04

(31) Priority Document No :61/246,023

(32) Priority Date :25/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/05026□

Filing Date :24/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)INNOVATION FIRST INC.

Address of Applicant :1519 Int. 30 W. Greenville Texas
75402 United States of America.

(72)Name of Inventor :

1)NORMAN David Anthony

2)MIMLITCH III Robert H.

3)CARTER Joel Reagan

4)GALLETTI Douglas Michael

(57) Abstract :

A vehicle in particular a toy robot 100 has a plurality of legs 104 and a vibration drive 202 210. The vibration drive includes a motor 210 and an eccentric weight 202 and the eccentric weight is arranged in front of the front legs 104a

No. of Pages : 30 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2487/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WIND TURBINE BLADE WITH LONGITUDINALLY EXTENDING FLOW GUIDING DEVICE HAVING A PLATE-SHAPED ELEMENT

(51) International classification	:F03D 1/06
(31) Priority Document No	:09172592.9
(32) Priority Date	:08/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/065078
Filing Date	:08/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LM GLASFIBER A/S

Address of Applicant :Jupitervej 6 DK-6000 Kolding
Denmark

(72)Name of Inventor :

1)FUGLSANG Peter

2)BOVE Stefano

3)GRABAU Peter

4)SUBRAHMANYAM V.V.

5)LUND Brian

6)JENSEN Lars E.

7)RADHAKRISHNAN Sreeram Kottumuklu

(57) Abstract :

A wind turbine blade (10) for a rotor of a wind turbine (2). The wind turbine blade is provided with a longitudinally extending flow guiding device (70 170) attached to the profiled contour. The flow guiding device comprises: a base (90 190) having a first longitudinal end (91 191) nearest the root end (16) and a second longitudinal end (92 192) nearest the tip end (14) a first side (93 193) nearest the leading edge (18) and a second side (94 194) nearest the trailing edge (20) as well as a first surface (95 195) and a second surface (96 196) the first surface of the base being attached to the pro-filed contour and the second surface facing away from the profiled contour. A longitu-dinally extending substantially plate-shaped element (97 197) protrudes from the sec-ond surface (96 196) of the base (90 190).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2510/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : VARIABLE RESISTANCE NONVOLATILE MEMORY DEVICE

(51) International classification :H01L 27/105
(31) Priority Document No :2010-184456
(32) Priority Date :19/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/004540
Filing Date :10/08/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Panasonic Corporation
Address of Applicant :1006 Oaza Kadoma Kadoma-shi
Osaka 571-8501 Japan
(72)**Name of Inventor :**
1)IKEDA Yuichiro
2)SHIMAKAWA Kazuhiko
3)AZUMA Ryotaro

(57) Abstract :

Each of basic array planes has a first via group that interconnects only even-layer bit lines in the basic array plane and a second via group that interconnects only odd-layer bit lines in the basic array plane the first via group in a first basic array plane and the second via group in a second basic array plane adjacent to the first basic array in a Y direction are adjacent to each other in the Y direction and the second via group in the first basic array plane and the first via group in the second basic array plane are adjacent to each other in the Y direction and the second via group in the second basic array plane is disconnected from a second global line when connecting the first via group in the first basic array plane to a first global line.

No. of Pages : 89 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2511/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PLASTIC BOTTLE WITH DEPRESSION FOR HOLDING A STRAW

(51) International classification :B65D 23/12
(31) Priority Document No :01304/09
(32) Priority Date :24/08/2009
(33) Name of priority country :Switzerland
(86) International Application No :PCT/EP2010/061920
Filing Date :17/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)INNOPRAX AG
Address of Applicant :Hofmattweg 1 6045 Meggen
Switzerland
(72)**Name of Inventor :**
1)FELDMANN Clarence P.

(57) Abstract :

The present invention discloses a plastic bottle (100) with a depression (120) embedded into the jacket wall (110) for receiving a straw (130). The plastic bottle (100) is characterized in that the latter exhibits a lower region (112) that conically expands from the footprint (111) of the bottle toward its neck (114) which is followed by a region (113) that conically tapers toward the neck (114) wherein the depression (120) in the jacket wall (110) proceeds along a straight line from the area above the footprint (111) and in the conically tapering region empties into a grasping zone (125) that exhibits a straw gripping zone (126). 19

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2512/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A LATCHING SYSTEM ASSOCIATED WITH A SEAT

(51) International classification :B60N 2/20
(31) Priority Document No :61/235,778
(32) Priority Date :21/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/046264
Filing Date :23/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LEAR CORPORATION
Address of Applicant :21557 Telegraph Road Southfield
Michigan 48033 U.S.A.
(72)Name of Inventor :
1)WIECLAWSKI Stanislaw Andrzej
2)WROBLEWSKI Krzysztof

(57) Abstract :

A latching system that may be associated with a seat. The latching system may include a latch arm configured to engage a striker and a biasing member having a first position. The latch arm moves from an unlatched position to a latched position when the first portion disengages the latch arm.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2501/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PHYSICAL LAYER SIGNALLING OF CONTROL PARAMETERS FOR MULTIPLE RADIO ACCESS TECHNOLOGIES

(51) International classification	:H04W28/06
(31) Priority Document No	:61/242,563
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048836
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/034865 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)HEMANTH SAMPATH
2)DIDIER JOHANNES RICHARD VAN NEE
3)SAMEER VERMANI

(57) Abstract :

Certain aspects of the present disclosure relate to a technique for signaling common user parameters in Very High Throughput (VHT) wireless systems.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2502/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CROSS SUBFRAME CONTROL CHANNEL DESIGN

(51) International classification :H04W72/12
(31) Priority Document No :61/242,303
(32) Priority Date :14/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/048654
Filing Date :13/09/2010
(87) International Publication No :WO 2011/032102 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)YONGBIN WEI
2)DURGA PRASAD MALLADI
3)TAO LUO

(57) Abstract :

Certain aspects of the disclosure relate to performing cross-subframe control channel signaling for wireless communications. A method may be provided for signaling downlink control channel resource allocations and/or physical control format indications in a subframe different from the subframe in which a downlink data transmission may be performed. In one aspect, the method may include transmitting PDCCH and/or PCFICH during a first subframe to allocate resources for a PDSCH during a second subframe and transmitting the PDSCH during the second subframe.

No. of Pages : 35 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2515/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR PRODUCING POLYCHLOROPRENE LATEX POLYCHLOROPRENE LATEX AND ADHESIVE USING SAME

(51) International classification	:C08F2/26
(31) Priority Document No	:2009-192029
(32) Priority Date	:21/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063876
Filing Date	:17/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)DENKI KAGAKU KOGYO KABUSHIKI KAISHA
Address of Applicant :1-1 Nihonbashi-Muromachi 2-chome
Chuo-ku Tokyo 103-8338 Japan
2)TOHOKU UNIVERSITY
(72)Name of Inventor :
1)KOBAYASHI Naoki
2)KONNO Mikio
3)NAGAO Daisuke
4)MASHIKO Yoshihiro
5)OTSU Toshiaki

(57) Abstract :

Provided is a polychloroprene latex extremely favorable in adhesive properties. The present invention relates to a method of producing a polychloroprene latex comprising polymerizing chloroprene or a mixture of chloroprene and a monomer copolymerizable with chloroprene in an aqueous medium containing a surfactant at a concentration of lower than its critical micelle concentration (CMC) and a polymer dispersant of a metal salt of aromatic sulfonic acid formalin condensate added thereto. The polymer dispersant for use is preferably a metal salt of aromatic sulfonic acid formahn condensate. The polychloroprene latex obtained can be used as an adhesive.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2516/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WATER-VAPOR-PERMEABLE MEMBRANE HOLLOW-FIBER MEMBRANE AND HOLLOW-FIBER MEMBRANE MODULE

(51) International classification :B01D 69/08

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2009/064612

Filing Date :21/08/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)TORAY INDUSTRIES INC.

Address of Applicant :1-1 Nihonbashi-Muromachi 2-chome
Chuo-ku Tokyo 103-8666 Japan

(72)Name of Inventor :

1)OSABE Masahiro

2)TANAKA Kazumi

3)SUGAYA Hiroyuki

(57) Abstract :

The invention provides a water vapor permeable membrane comprising a dense layer and a support layer that are adjacent to each other wherein said dense layer contains voids with a void length of 0.1 μ m or less and said layer has a thickness of 0.1 μ m or more and 2 μ m or less while in said support layer void (a) i.e. the void with the largest length in the 2 μ m thick region measured from the boundary between the dense layer and the support layer into the support layer has a length of 0.3 μ m or more and void (b) i.e. the void with the largest length in the region ranging between 2 μ m and 4 μ m measured from said boundary into the support layer has a length of 0.5 μ m or more the length of said void (b) being larger than that of said void (a).

No. of Pages : 69 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2517/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR IMPLEMENTING ADMISSION CONTROL

(51) International classification :H04W 28/10
(31) Priority Document No :200910168104.2
(32) Priority Date :28/08/2009
(33) Name of priority country :China
(86) International Application No :PCT/CN2010/075426
Filing Date :23/07/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ZTE CORPORATION
Address of Applicant :ZTE Plaza Keji Road South Hi-Tech
Industrial Park Nanshan Shenzhen Guangdong 518057 China
(72)**Name of Inventor :**
1)Xuhui WANG
2)Lingfei HAN
3)Chenji LIU

(57) Abstract :

The present invention discloses a method and device for implementing admission control. The device comprises: when a base station controller receives a bandwidth admission application and when a sum of a bandwidth of the bandwidth admission application and an accumulative application bandwidth is within a preset overbooking area, determining whether a sum of the bandwidth of the bandwidth admission application and an actual use value of a current bandwidth is beyond a bandwidth stabilizing work area, and if yes, rejecting the bandwidth admission application, wherein a bandwidth position of the overbooking area is higher than a bandwidth position of the bandwidth stabilizing work area. The present invention dynamically corrects the distributable bandwidth by using a feedback mechanism so as to bear more service accesses in the case of limited IP transmission resources.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2520/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : RECOMBINANT AVIAN PARAMYXOVIRUS VACCINE AND METHOD FOR MAKING AND USING THEREOF

(51) International classification :A61K 39/155
(31) Priority Document No :61/235,912
(32) Priority Date :21/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/046179
Filing Date :20/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MERIAL LIMITED
Address of Applicant :3239 Satellite Blvd. Duluth Georgia
30096 United States of America
**2)UNIVERSITY OF GEORGIA RESEARCH
FOUNDATION INC.**
(72)Name of Inventor :
1)BUBLOT Michel
2)MEBATSION Teshome
3)PRITCHARD Joyce
4)MUNDT Egbert

(57) Abstract :

The present disclosure encompasses engineered APMV compositions or vaccines. The vaccine or composition may be a recombinant APMV composition or vaccine. The present disclosure encompasses methods for modifying the genome of APMV to produce recombinant APMV; modified APMV prepared by such methods; DNA and protein sequences; and methods for infecting cells and host animals with such recombinant APMV.

No. of Pages : 358 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2521/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : IP ADDRESS AUTOMATIC ASSIGNMENT METHOD DEVICE AND SYSTEM

(51) International classification	:H04L 12/56
(31) Priority Document No	:200910170885.9
(32) Priority Date	:11/09/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/076796
Filing Date	:10/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Huawei Technologies Co. Ltd.
Address of Applicant :Huawei Administration Building
Bantian Longgang District Shenzhen Guangdong 518129 P.R.
China.
(72)**Name of Inventor :**
1)LAN Haiqing

(57) Abstract :

The present invention relates to an IP address automatic assignment method, a client, and a server. The present invention solves the technical problem in the prior art that a DHCP Relay host needs to be added additionally to assign an IP address to a client when a DHCP server and the client are not on the same network segment, thereby saving configuration cost and simplifying network configuration.

No. of Pages : 96 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2522/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : TOOL FOR MOUNTING STUD BOLTS

(51) International classification	:B25B 23/10
(31) Priority Document No	:PA 2009 70146
(32) Priority Date	:05/10/2009
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2010/050251
Filing Date	:05/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)LM GLASFIBER A/S
Address of Applicant :Jupitervej 6 DK-6000 Kolding
Denmark
(72)**Name of Inventor :**
1)JOSHUA D. GREGORICH
2)JOSHUA E. ANDERSON
3)TRENT A. IVESDAL

(57) Abstract :

The invention concerns a tool (1) a method and use of such a tool (1) for mounting stud bolts (12). The tool (1) is intended for use in connection with a drive preferably a handheld drive and is provided with a threaded part (4) that interacts with the threaded end (14) of the stud bolt during mounting of the stud bolt (12). The threaded part (4) is the part forming mechanical connection to a stud bolt (12) and which during mounting of the stud bolt (12) serves as operating measure. In a preferred variant of a tool (1) according to the invention the threaded part (4) is made conical. By making a conical screw thread there is achieved the advantage that the engagement between stud bolt (12) and tool (1) is imparted low frictional resistance.

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2537/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MACROCYCLIC INHIBITORS OF JAK

(51) International classification :C07D 487/18

(31) Priority Document No :61/244,216

(32) Priority Date :21/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/063682

Filing Date :17/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

Address of Applicant :124 Grenzacherstrasse CH-4070 Basel
Switzerland

(72)Name of Inventor :

1)JAHANGIR Alam

2)LYNCH Stephen M.

3)SOTH Michael

4)YANG Hanbiao

(57) Abstract :

The present invention relates to the use of novel macrocyclic compounds of Formula I wherein the variables Q Q1 Q2 Q3 and Q4 are defined as described herein which inhibit JAK and are useful for the treatment of auto-immune and inflammatory diseases.

No. of Pages : 100 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2538/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LITHOGRAPHIC PRINTING ORIGINAL PLATE

(51) International classification :G06F 3/048
(31) Priority Document No :2009-218909
(32) Priority Date :24/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/065285
Filing Date :07/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)FUJIFILM Corporation
Address of Applicant :26-30 Nishiazabu 2-chome Minato-ku
Tokyo Japan
(72)**Name of Inventor :**
1)MATSUURA Atsushi
2)SAWADA Hirokazu
3)UESUGI Akio

(57) Abstract :

A presensitized plate having a long press life and excellent resistance to scum and corrosive micro-stains and capable of on-press development is provided. The presensitized plate includes a photosensitive layer containing (A) a sensitizing dye (B) a polymerization initiator (C) a polymerizable compound and (D) a binder polymer; and a protective layer which are formed on a support in this order. The support is prepared from an aluminum alloy plate containing intermetallic compound particles with a circle equivalent diameter of 0.2 μm or more at a surface density of 35 000 pcs/mm² or more and aluminum carbide particles with a maximum length of 1 μm or more in an amount of up to 30 000 pcs/g.

No. of Pages : 230 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2539/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY DEVICE

(51) International classification	:G02F 1/1368
(31) Priority Document No	:2009-193459
(32) Priority Date	:24/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063994
Filing Date	:19/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHARP KABUSHIKI KAISHA

Address of Applicant :22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan

(72)Name of Inventor :

1)YOSHIDA Masahiro

2)TASHIRO Kunihiro

(57) Abstract :

The present invention has an object of providing a liquid crystal display device having a high transmittance or a high viewing angle characteristic. A liquid crystal display device according to the present invention includes a pixel electrode (30) including a peripheral portion (36), an island portion (32) and a plurality of branch portions (34). The plurality of branch portions (34) are formed of a plurality of first through fourth branch portions (34A through 34D) respectively extending in first through fourth directions. By these branch portions, first through fourth regions (35A through 35D) in which liquid crystal molecules are aligned in different directions from each other at the time of voltage application are formed. The island portion (32) is surrounded by the first through fourth regions (35A through 35D), and is connected to the peripheral portion (36) by a connection portion (38) but not by any of the plurality of branch portions (34) or connected to the peripheral portion (36) by one of the first through fourth branch portions (34A through 34D).

No. of Pages : 118 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2513/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD OF FORMING A BLOWABLE PARISON

(51) International classification :B29C45/16

(31) Priority Document No :0914702.6

(32) Priority Date :22/08/2009

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2010/051386

Filing Date :20/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)Reckitt Benckiser N.V.

Address of Applicant :Siriusdreef 14 2132 WT Hoofddorp
The Netherlands

(72)Name of Inventor :

1)DI BONO Giuseppe

2)PRETTO Nicola

(57) Abstract :

A method of forming an essentially tubular blowable plastics parison comprises injection moulding an essentially tubular parison around a mould surface. Means for injecting flowable plastics material to said injection mould at an injection station to form a parison within said mould surface are used. These comprise a plurality of individual injectors with at least a secondary injector being capable of injecting a different composition from the remaining primary injectors.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2514/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY APPARATUS AND TELEVISION RECEIVER

(51) International classification :G09G3/36
(31) Priority Document No :2009-199482
(32) Priority Date :31/08/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/064728
Filing Date :30/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SHARP KABUSHIKI KAISHA
Address of Applicant :22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan
(72)**Name of Inventor :**
1)ONIKI Motoyuki
2)IKEYAMA Tetsuo

(57) Abstract :

Provided are a liquid crystal display apparatus and a television receiver which enable an improvement in visibility in a low-tone range in a configuration in which the brightness of a backlight is changed on the basis of brightness information relating to an image, the liquid crystal display apparatus is provided with an APL curve setting portion and a histogram luminance modulating portion which adjust the brightness of the backlight and a tone signal on the basis of the average brightness of the image and the brightness histogram of the image, and a black extending portion which applies gamma correction to the tone signal adjusted by the histogram luminance modulating portion on the basis of a previously set gamma value, wherein a gamma characteristic used for the gamma correction in the black extending portion is set by, on the basis of correspondence information indicating the correspondence relationship between a combination of the brightness of backlight adjusted by the histogram luminance modulating portion and the environmental illuminance of the installation site of a liquid crystal panel, and a plurality of gamma values (y2.0-2.4), selecting a gamma value corresponding to the combination.

No. of Pages : 38 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2543/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MANAGING ALLOCATION OF RESOURCES IN A NETWORK

(51) International classification :H04W 28/16
(31) Priority Document No :12/565,825
(32) Priority Date :24/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/049558
Filing Date :21/09/2010
(87) International Publication No :WO 2011/037875 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ALCATEL LUCENT
Address of Applicant :3, AVENUE OCTAVE GREARD, F-75007 PARIS France
(72)**Name of Inventor :**
1)KAHN, COLIN
2)LAMOUREUX, PHILIP
3)TURNER, MICHAEL
4)YOUNG, TOMAS

(57) Abstract :

To manage resource allocation between users of a wireless or wireline network, recent resource usage by each user is determined and priorities are assigned accordingly. Then, the network resources are allocated according to the assigned priorities. A respective priority of a user may be inversely proportional to the recent resource usage by that user. To facilitate continuous fair distribution of the network resources, the users may be re-prioritized and resources are re-allocated accordingly. Information about recent resource usages by the users is continuously accumulated, including about users moving from one access point of the network to another. When resource allocation for a particular access point is determined, recent resource usage for a user that has joined the access point from another access point in the network may include prior resource usage by that user at the other access point.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2544/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : INPUT RECEIVING DEVICE, INPUT RECEIVING METHOD, RECORDING MEDIUM, AND MOBILE COMMUNICATION TERMINAL

(51) International classification	:G06F3/041
(31) Priority Document No	:2009-221628
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066446
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/037149
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC CORPORATION
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU,
TOKYO 108-8001 Japan
(72)**Name of Inventor :**
1)KURANE, DAISUKE

(57) Abstract :

Disclosed is a mobile phone (50) provided with a display unit (22a) to display an image, and a touch panel (25a) that is arranged with being superposed on the display unit, and touched by a user. The mobile phone (50) is provided with: a display control unit (22) to display an operation area and an incorrect operation area on a display screen of the display unit (22a); a detection unit (25) to detect occurrence of touch on the touch panel (25a) and its touch position on the display screen; an area determination unit (24) to determine whether the detected touch position is within the operation area or within the incorrect operation area; and a processing control unit (21) to, if touches on the incorrect operation area are performed consecutively within a certain period of time, control the display control unit (22) to display the operation area in a different mode from a mode before the consecutive touches.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2545/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MULTI-FUNCTIONAL CUTTING TOOL

(51) International classification	:B23B 27/00
(31) Priority Document No	:10-2009-0079396
(32) Priority Date	:26/08/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR/2010/000193
Filing Date	:12/01/2010
(87) International Publication No	:WO 2011/025097 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TAEGUTEC LTD.

Address of Applicant :304 YONGGYE-RI, GACHANG-MYEON, DALSEONG-GUN, DAEGU 711-865 Republic of Korea

(72)Name of Inventor :

1)CHOI, CHANG HEE

2)PARK, HONG SIK

3)LEE, CHUL HO

(57) Abstract :

The present invention generally relates to cutting tools, and more particularly to a multi-functional cutting tool, which can be used for a turning process as well as a drilling process. The multi-functional cutting tool of the present invention comprises: a shank having a flat surface to be fixed to a cutting device; first and second cutting portions of cylindrical shape, each of which extends from the respective ends of the shank; and a cooling hole straightly extending and penetrating into the cutting tool from the end of the first cutting portion to the end of the second cutting portion in a direction of the rotational axis of the cutting tool.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2546/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CRIMP TERMINAL

(51) International classification	:H01R 4/18
(31) Priority Document No	:2009-281484
(32) Priority Date	:11/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/072723
Filing Date	:10/12/2010
(87) International Publication No	:WO 2011/071189
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)YAZAKI CORPORATION
Address of Applicant :4-28, MITA 1-CHOME, MINATO-KU,
TOKYO Japan
(72)**Name of Inventor :**
1)SATO, KEI

(57) Abstract :

A crimp terminal includes a bottom portion. A pair of conductor press-fastening portions respectively extend from opposite side edges of the bottom portion. A serration is formed in a face of the bottom portion on which a conductor of a wire is to be placed. The serration extends in a direction perpendicular to an axial direction of the placed conductor. A direction indication mark portion is provided on the face of the bottom portion. The direction indication mark portion is indicative of a direction perpendicular to an extending direction of the serration.

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

(54) Title of the invention : VETERINARY PHARMACEUTICAL COMPOSITION AND METHOD (VARIANTS) OF PROPHYLAXIS AND TREATMENT OF GASTROINTESTINAL DISEASES AND INTOXICATIONS OF DIFFERENT ETIOLOGIES IN ANIMALS

(51) International classification :A61K 31/7016
 (31) Priority Document No :2009135348
 (32) Priority Date :23/09/2009
 (33) Name of priority country :Russia
 (86) International Application No :PCT/RU2010/000520
 Filing Date :21/09/2010
 (87) International Publication No :WO 2011/037495 A1
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)DIKOVSKIY, ALEXANDER VLADIMIROVICH

Address of Applicant :AVIATIONNAYA, 79/3, KV. 356, MOSCOW, 123182 Russia

(72)Name of Inventor :

1)TRETYAKOV, SERGEI VIKTOROVICH**2)TURCHEV, OLEG ALEKSANDROVICH**

(57) Abstract :

Veterinary pharmaceutical composition and method (variants) of prophylaxis and treatment of gastrointestinal diseases and intoxications of different etiologies in animals A veterinary pharmaceutical composition for treating diseases of the gastrointestinal tract and intoxications of diverse etiology in animals comprises, as the active component, hydrolyzed lignin and a prebiotic from the following group: lactulose, fructooligo-saccharides, galacto-saccharides and inulin, and is in a form suitable for use in the composition of a mixture with combined feed, with a lignin content of from 30 to 95 % by mass, in the form of powder or granules. The method for the prophylaxis and treatment of intoxication of diverse etiology, including mycotoxicoses, in animals, including birds, envisages that the animal will receive the above-mentioned veterinary pharmaceutical composition mixed with feed in a dosage of from 2 to 4.5 kg of the preparation per ton of combined feed, proportional to the content of mycotoxins in the combined feed. The method for the prophylaxis and treatment of diseases of the gastrointestinal tract, including dyspepsia, gastroenteritis, enteritis, colitis, hepatitis, and hepato-dystrophy, including in a toxic form, in animals, including cattle and pigs, envisages that the animal will receive the veterinary pharmaceutical composition according to claim 1 30 ± 10 minutes prior to feeding, perorally individually or in a group method with water for watering or with the feed, 1 to 2 times per day in a dosage of from 0.2 to 0.3 g/kg of the mass of the animal. This ensures an increase in the effectiveness of the treatment and elimination of the above-mentioned defects in the use of hydrolyzed lignin, activated carbon and other generally known sorbents. At the same time, the joint use of lignin with a prebiotic as a means for the prophylaxis and treatment of animals makes it possible to produce a result in the form of a set of positive effects: minimization of side effects from the use of a sorbent; restoration of homeostasis in the gastrointestinal tract; and normalization of the metabolism indices, this finally resulting in a qualitative increase in the zootechnical and economic indices of animal husbandry.

No. of Pages : 54 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2518/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : REFERENCE SIGNALS FOR UPLINK MULTI-USER MIMO

(51) International classification	:H04B 7/04
(31) Priority Document No	:61/247,839
(32) Priority Date	:01/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050916
Filing Date	:30/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)MONTJOJO Juan
2)LUO Tao
3)CHEN Wanshi

(57) Abstract :

Methods and apparatuses are provided that facilitate generating sequences for transmitting reference signals (RS) based at least in part on a cell identifier or other parameters common for a plurality of cells. Where the plurality of cells provide similar joint uplink resources to a device in multi-user multiple-input multiple-output (MIMO) the device can transmit a signal to the plurality of cells over the joint uplink resources. For RSs transmitted according to a sequence generated based on a cell specific identifier or other parameters the device can utilize a cell identifier or other parameters common to the plurality of cells such that the plurality of cells can all decode the RSs. In this regard as well the plurality of cells can each receive or generate the common cell identifier or other parameters to properly decode the RSs.

No. of Pages : 45 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2519/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR SENDING AND RECEIVING PIGGYBACKED ACK/NACK INFORMATION TO AVOID DECODING CONFUSION

(51) International classification :H04W 28/10
(31) Priority Document No :61/251,649
(32) Priority Date :14/10/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2010/001591
Filing Date :13/10/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Research In Motion Limited
Address of Applicant :295 Phillip Street Waterloo Ontario
N2L 3W8 Canada
(72)**Name of Inventor :**
1)VENKOB Satish
2)DWYER Johanna Lisa
3)CONWAY Dennis

(57) Abstract :

Systems and methods for sending and receiving acknowledgment information to avoid decoding confusion A disclosed example includes sending an indication of whether data blocks received by the mobile station after a poll are or will be accounted for in acknowledgement information receiving the poll from a network the poll requesting acknowledgement information and sending to the network the acknowledgement information requested in the poll.

No. of Pages : 75 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2548/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WRITE-ONCE INFORMATION RECORDING MEDIUM, INFORMATION RECORDING METHOD, INFORMATION RECORDING DEVICE, INFORMATION REPRODUCTION METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD FOR MANUFACTURING INFORMATION RECORDING MEDIUM

(51) International classification	:G11B 20/12
(31) Priority Document No	:2009-219543
(32) Priority Date	:24/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005668
Filing Date	:16/09/2010
(87) International Publication No	:WO 2011/036859
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)PANASONIC CORPORATION
Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 Japan
(72)**Name of Inventor :**
1)KATO, HISAE
2)TAKAHASHI, YOSHIHISA
3)ITO, MOTOSHI

(57) Abstract :

In an information recording medium in which storage capacity per recording layer has increased so much that the size of an SBM varies with those of spare areas, there is mutual dependence between a DDS and an SBM and it is difficult to retrieve disc management information as intended. In an information recording medium according to the present invention, if the largest space is allocated to an user data area, the number of blocks to store a space bitmap is N_i (where $N_j > 2$). But if the smallest space is allocated to the user data area, the number of blocks to use is smaller than N_i . In such an information recording medium, if the number of blocks to store the space bitmap of a recording layer is M_i (where $1 < M_i < N_i$) and if M_i is equal to or greater than two, the space bitmap is divided into the 1st through M_i th space bitmaps, each of which has a size that is still equal to or smaller than one block even when combined with a DDS, and each space bitmap is stored in an associated one of M_i blocks in a disc management area.

No. of Pages : 143 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2549/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PORTABLE LIGHTING DEVICE

(51) International classification	:F21L 4/00
(31) Priority Document No	:2009-198376
(32) Priority Date	:28/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063552
Filing Date	:10/08/2010
(87) International Publication No	:WO 2011/024643
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHARP KABUSHIKI KAISHA

Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI OSAKA 545-8522 Japan

(72)Name of Inventor :

1)YOSHIKAWA, TATSUO

2)IKEMOTO, JUN

(57) Abstract :

A portable lighting device (1) includes a device body (10), a solar cell panel (13) arranged on a front surface of the device body (10), a storage battery (40) for storing electric power generated by the solar cell panel (13), a lighting unit (50) for emitting light by receiving the electric power from storage battery (40) and radiating light from a rear surface of the device body (10) toward an outside of the device body (10), and a rotation member (20) attached rotatably to the device body (10), being operable as a stand for supporting the device body (10) in a charging operation and being operable as an arm for suspending the device body (10) in a lighting operation. Thereby, the portable lighting device can be used for various purposes and can be handled easily.

No. of Pages : 54 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2551/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYNTHESIS OF (4-FLUORO-3-PIPERIDIN-4-YL-BENZYL)-CARBAMIC ACID TERT-BUTYL ESTER AND INTERMEDIATES THEREOF

(51) International classification	:C07D 211/18
(31) Priority Document No	:61/245,325
(32) Priority Date	:24/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049737
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/037947 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SANOFI-AVENTIS U.S. LLC

Address of Applicant :55 CORPORATE DRIVE,
BRIDGEWATER, NEW JERSEY 08807 U.S.A.

(72)Name of Inventor :

1)CHOY, NAKYEN

2)SHAY, JOHN, J., JR.

3)SLEDESKI, ADAM, W.

(57) Abstract :

The present invention is an improved method for the preparation of 4-fluoro-3-piperidin-4-yl-benzyl)-carbamic acid tert-butyl ester, compound of formula I. The invention is directed to a method of synthesis for the compound of formula I in three steps, comprising formation of 5-((tert-butoxycarbonyl)aminomethyl)-2-fluorobenzeneboronic acid (compound 11), reaction of compound 11 under Suzuki coupling conditions to yield (4-fluoro-2-pyridin-4-yl-benzyl)-carbamic acid tert-butyl ester and selective hydrogenation of the aforementioned product under hydrogenation conditions yields compound I. The invention is also directed to the intermediates 5-((tert-Butoxycarbonyl)amino-methyl)-2-fluorobenzeneboronic acid (compound 11), and (4-fluoro-2-pyridin-4-yl-benzyl)-carbamic acid tert-butyl ester (compound 13).

No. of Pages : 17 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2552/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ASSEMBLY FOR A DRUG DELIVERY DEVICE AND DRUG DELIVERY DEVICE

(51) International classification :A61M 5/50
(31) Priority Document No :09171133.3
(32) Priority Date :23/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/063841
Filing Date :21/09/2010
(87) International Publication No :WO 2011/036133
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SANOFI-AVENTIS DEUTSCHLAND GMBH
Address of Applicant :BRUNINGSTRASSE 50, D-65929
FRANKFURT AM MAIN Germany
(72)**Name of Inventor :**
1)SCHABBACH, MICHAEL
2)HEGER, SERPIL

(57) Abstract :

An assembly for a drug delivery device is provided for. The assembly may comprise a housing body (1) having a longitudinal axis. It may have a drive assembly having a drive member (2, 5), the drive member (2, 5) being configured to be axially displaced with respect to the housing body (1) during operation of the drive assembly for setting and/or dispensing a dose of the drug. The assembly may have a display assembly having a display and an indicator element (3), the indicator element being axially displaceable with respect to the housing body (1) along the longitudinal axis or the indicator element being rotationally displaceable with respect to the housing body (1) around a rotational axis which is inclined, in particular perpendicular, to the longitudinal axis. The display may be configured such that it displays a first state when the indicator element (3) is in a first position and switches to a second state when the indicator element (3) is displaced away from the first position. The drive assembly may be configured such that the drive member (2, 5) transfers a force to the indicator element (3) which force displaces the indicator element (3) away from the first position when the drive assembly is operated for a first time. Further, a drug delivery device is provided for.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2553/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR ARITHMATIC ENCODING OR ARITHMETIC DECODING

(51) International classification	:H03M 7/40
(31) Priority Document No	:09305961.6
(32) Priority Date	:09/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064644
Filing Date	:01/10/2010
(87) International Publication No	:WO 2011/042366
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)THOMSON LICENSING
Address of Applicant :1-5 RUE JEANNE D'ARC, F-92130
ISSY-LES-MOULINEAUX France
(72)**Name of Inventor :**
1)OLIVER WUEBBOLT

(57) Abstract :

The invention proposes a method and a device for arithmetic encoding of a current spectral coefficient using preceding spectral coefficients. Said preceding spectral coefficients are already encoded and both, said preceding and current spectral coefficients, are comprised in one or more quantized spectra resulting from quantizing time-frequency- transform of video, audio or speech signal sample values. Said method comprises processing the preceding spectral coefficients, using the processed preceding spectral coefficients for determining a context class being one of at least two different context classes, using the determined context class and a mapping from the at least two different context classes to at least two different probability density functions for determining the probability density function, and arithmetic encoding the current spectral coefficient based on the determined probability density function wherein processing the preceding spectral coefficients comprises non-uniformly quantizing absolutes of the preceding spectral coefficients for use in determining of the context class.

No. of Pages : 41 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2523/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MODIFIED G⁻AM-NEGATIVE BACTERIA FOR USE AS VACCINES⁻

(51) International classification :A61K 38/57
(31) Priority Document No :09305879.0
(32) Priority Date :21/09/2009
(33) Name of priority country :EPO
(8⁻) International Application No :PCT/EP2010/063921
Filing Date :21/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)INSERM (Institut National de la Sant et de la Recherche Mdicale)

Address of Applicant :101 rue de Tolbiac F-75013 Paris France

2)CENTRE NATIONAL DE LA RECHERCHE

SCIENTIFIQUE CNRS

3)UNIVERSIT^o D AIX-MARSEILLE

4)INSTITUTO CIENTIFICO Y TECNOLOGICO DE NAVARRA S.A.

(72)Name of Inventor :

1)GORVEL Jean-Pierre

2)ARCE GORVEL Vilma

3)IRIARTE Maite

4)MORIYON Ignacio

5)CONDE-ALVAREZ Raquel

(57) Abstract :

The invention relates to Gram-negative bacteria carrying an inactivated gene encoding a glycosyltransferase involved in the synthesis of the core of the LPS of said Gram-negative bacteria wherein said inactivated gene results in the synthesis of a LPS having a modified core. These strains have an attenuated virulence but induce a humoral immunity sufficient for ensuring vaccination of the host.

No. of Pages : 46 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2524/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : APPARATUS FOR STIMULATING LOCAL AND HIGHER HOMEOSTATIC AUTOREGULATORY MECHANISMS IN THE ORGANISM

(51) International classification	:A61N 2/02
(31) Priority Document No	:09168634.5
(32) Priority Date	:25/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/062166
Filing Date	:20/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Peter Gleim

Address of Applicant :Austrasse 15 FL-9495 Triesen
Liechtenstein Germany

2)Rainer Klopp

(72)Name of Inventor :

1)Peter Gleim

2)Rainer Klopp

(57) Abstract :

The invention relates to an apparatus for stimulating local and higher homeostatic autoregulatory mechanisms during the sleep phase and the rest or relaxation phase of the organism by means of a pulsed electromagnetic field. Said apparatus comprises a pulse generator a control device and a field generating device. The pulse generator is designed in such a way as to generate a pulsed electromagnetic field along with the control device and the field generating device by applying 5 special series of pulses in which the frequency is the same for all signals ranging from 8 to 15 Hz the series of pulses are repeated multiple times and the control time amounts to at least 3.5 h within a period of 7 to 9 hours.

No. of Pages : 36 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2525/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : USE OF A STEREOISOMER MIXTURE OF DIAMINOMETHYLCYCLOHEXANE AS A HARDENER FOR EPOXY RESINS□

(51) International classification	:C08G 59/50
(31) Priority Document No	:09170694.5
(32) Priority Date	:18/09/2009
(3□) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/063794
Filing Date	:20/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056 Ludwigshafen Germany

(72)Name of Inventor :

1)PFEFFINGER Joachim

2)MALKOWSKY Daniela

3)G-TTKE Stephan

(57) Abstract :

The invention relates to a composition comprising at least 1 epoxy resin and a mixture comprising the 7 stereoisomers of diaminomethylcyclohexane in wholly specialized quantity ratios to one another a method for producing the composition the use of the composition for production of hardened epoxies adhesives bonding materials and molded bodies a mixture comprising the 7 stereoisomers of diaminomethylcyclohexane in the specialized quantity ratios and the use of said mixture for producing the composition.

No. of Pages : 32 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2556/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHODS AND APPARATUS FOR SUBFRAME INTERLACING IN HETEROGENEOUS NETWORKS

(51) International classification	:H04W 72/04
(31) Priority Document No	:61/242,678
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048988
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/034966 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATION IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)ALEKSANDAR DAMNJANOVIC
2)YONGBIN WEI
3)PETER A. BARANY

(57) Abstract :

Methods and apparatus for providing wireless communications using subframe partitioning are disclosed. Two or more base stations may be allocated subframes in a radio frame. All or part of the subframe allocation may be provided to the associated user equipment (UEs), which may use it to determine signal metrics during assigned subframes for an associated base station.

No. of Pages : 82 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2557/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MULTI-SITE MIMO COOPERATION IN CELLULAR NETWORKS

(51) International classification :H04W 16/10
(31) Priority Document No :61/244,115
(32) Priority Date :21/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2010/001510
Filing Date :21/09/2010
(87) International Publication No :WO 2011/044668 A2
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ROCKSTAR BIDCO, LP
Address of Applicant :1285 AVENUE OF AMERICAS, NEW YORK, NEW YORK 10019-6064 U.S.A.
(72)**Name of Inventor :**
1)MOHAMMADHADI BALIGH
2)JIANGLEI MA
3)HUA XU

(57) Abstract :

(EN)A method of serving a given data stream to a target mobile terminal, in a cellular communications network that includes a plurality of transmitting sites wherein each transmitting site including at least one antenna, is provided. The method includes designating at least two of the plurality of transmitting sites as cooperating sites; assigning tones to each transmitting site from a sub-band associated with the cooperating sites; dividing the data stream into at least two sub-data streams, each of the sub-data streams for transmission over selected tones; and interlacing tones of the cooperating sites in accordance with a selected one of a time switching and a frequency switching transmit diversity technique. Other techniques for multi-site MIMO cooperation are also provided.

No. of Pages : 43 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2550/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CURABLE EPOXY RESIN COMPOSITIONS AND COMPOSITES MADE THEREFROM

(51) International classification :C08G 59/62

(31) Priority Document No :61/245,966

(32) Priority Date :25/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/049598

Filing Date :21/09/2010

(87) International Publication No :WO 2011/037895 A1

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.

(72)Name of Inventor :

1)DETTLOFF, MARVIN, L.

2)FALCONE-POTTS, SUSAN, K.

3)HUNTER, GARY, A.

4)PHAM, HA, Q.

5)ROUSSE, MARTINE

6)HOEVEL, BERND

(57) Abstract :

A curable epoxy resin composite composition including a reinforcing material and an epoxy resin composition, and a process for preparing a composite from such composition; wherein a combination of at least one alkanolamine and at least one styrenated phenol are present in the epoxy resin composition in a sufficient amount to increase the rate of reaction of the at least one epoxy resin and the at least one alkanolamine curing agent while maintaining the thermal and mechanical properties of the composite upon curing of the epoxy resin composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2564/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : FUSED TRIAZOLE AMINES AS P2X7 MODULATORS

(51) International classification :C07D 471/04

(31) Priority Document No :61/244,322

(32) Priority Date :21/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/063686

Filing Date :17/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

Address of Applicant :124 Grenzacherstrasse CH-4070 Basel
Switzerland

(72)Name of Inventor :

1)BROTHERTON-PLEISS Christine

2)HARRIS III Ralph New

3)LOE Bradley E

4)LOPEZ-TAPIA Francisco Javier

5)REGE Pankaj D

6)REPKE David Bruce

7)STABLE Russell Stephen

8)WALKER Keith Adrian Murray

(57) Abstract :

Compounds of the formula I: I or pharmaceutically acceptable salts thereof wherein X Y R1 R2 and R3 are as defined herein. Also disclosed are methods of making the compounds and using the compounds for treatment of diseases associated with the P2X7 purinergic receptor.

No. of Pages : 85 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2565/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : VEHICLE SEAT ACCOMMODATING DEVICE

(51) International classification :B60N 2/30
(31) Priority Document No :2009-208154
(32) Priority Date :09/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/065251
Filing Date :06/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HONDA MOTOR CO. LTD.
Address of Applicant :1-1 Minami-Aoyama 2-chome Minato-ku Tokyo 107-8556 Japan
(72)**Name of Inventor :**
1)IMAMURA Masahiro
2)SHIROSE Osamu
3)YOKOYAMA Ichirou
4)SATO Tsuyoshi

(57) Abstract :

A vehicle seat accommodating device of the invention includes: a seat configured to include a seat cushion and a seat back supported so as to be tiltable with respect to the seat cushion; an accommodation recess portion formed on a floor located behind the seat; and a support unit movably supporting the seat so as to accommodate the seat in the accommodation recess portion in a state where the seat back is folded so as to be overlapped on the seat cushion wherein when the seat is adjusted to a seating posture both ends of the seat cushion in a vehicle width direction are mounted on wheel housings that are bloated from side walls of a vehicle body toward the inside in the vehicle width direction.

No. of Pages : 46 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2566/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : APPARATUS AND METHODS FOR OPTIMIZING POWER CONSUMPTION IN A WIRELESS DEVICE

(51) International classification :G06F 1/32
(31) Priority Document No :61/245,477
(32) Priority Date :24/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/050179
Filing Date :24/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)SHAHIDI Reza
2)TU Alex Kuang-Hsuan
3)SALSBERY Brian J.
4)PAYYAPPILLY Ajith T.
5)CHEN Xiaodong

(57) Abstract :

Apparatus and methods are disclosed for power optimization in a wireless device. The apparatus and methods effect monitoring the amount of data stored in a data buffer that buffers data input to and data output from a processor. Dependent on the amount of data stored in the buffers parameters of a control function such as a Dynamic Clock and Voltage Scaling (DCVS) function are modified based on the amount of data stored in the data buffer. By modifying or pre-empting the parameters of the control function which controls at least processor frequency the processor can process applications more dynamically over default parameter settings especially in situations where one or more real-time activities having strict time constraints for completion are being handled by the processor as evinced by increased buffer depth. As a result power usage is further optimized as the control function is more responsive to processing conditions.

No. of Pages : 33 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2567/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : APPARATUS AND METHOD FOR DYNAMIC LOAD BALANCING IN A MULTI-CARRIER WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W 36/22
(31) Priority Document No	:61/248,863
(32) Priority Date	:05/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051529
Filing Date	:05/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)SAMBHWANI Sharad Deepak
2)MOHANTY Bibhu Prasad

(57) Abstract :

An apparatus and method enables a dynamic change from one carrier to another in a wireless telecommunication system. In one example user equipment receives a preconfiguration message adapted to enable the user equipment to be preconfigured for an initial carrier and a subsequent carrier. Here the user equipment initially communicates over an air interface utilizing the initial carrier frequency. Upon the satisfaction of certain conditions such as one of the initial carriers being heavily loaded or nearing its capacity a Node B provides an order to the user equipment to switch from its initial carrier to the secondary carrier which was preconfigured. In this way relatively rapid carrier switching provides for enhanced load balancing largely controlled by the Node B.

No. of Pages : 41 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2554/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SIGNALING AND CHANNEL ESTIMATION FOR UPLINK TRANSMIT DIVERSITY

(51) International classification :H04W 72/04
(31) Priority Document No :61/244,126
(32) Priority Date :21/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2010/001509
Filing Date :21/09/2010
(87) International Publication No :WO 2011/032297 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ROCKSTAR BIDCO, LP
Address of Applicant :1285 AVENUE OF THE AMERICAS,
NEW YORK, NEW YORK 10019-6064 U.S.A.
(72)Name of Inventor :
1)MING JIA
2)MASOUD EBRAHIMI TAZEHA MAHALLEH
3)MOHAMMADHADI BALIGH
4)HUA XU
5)JIANGLEI MA
6)AMIR KHANDANI

(57) Abstract :

(EN)In a method of transmitting a data stream from a transmitter in a multiple-input- multiple-output (MIMO) wireless communication system, where the transmitter comprises a plurality of transmit antennas, a discrete Fourier transform (DFT) is applied to the data stream to generate a plurality of symbol sequences; symbols of a first symbol sequence from the plurality of symbol sequences are paired with symbols of a second symbol sequence from the plurality of symbol sequences to generate a plurality of symbol pairs, wherein the pairing results in an orphan symbol; a space-time block code (STBC) is applied to the symbol pairs to generate a plurality of sets of STBC symbols, each set of STBC symbols being associated with a corresponding one of the plurality of antennas; a cyclic delay diversity (CDD) operation is applied to the orphan symbol to generate a plurality of CDD symbols, each CDD symbol being associated with a corresponding one of the plurality of antennas; and each one of the antennas transmits the corresponding set of STBC symbols and the corresponding CDD symbol.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2555/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WIRELESS POWER FOR HEATING OR COOLING

(51) International classification :H05B 6/12
(31) Priority Document No :61/241,337
(32) Priority Date :10/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/048535
Filing Date :10/09/2010
(87) International Publication No :WO 2011/032047 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATIONAL IP
ADMINISTRATIION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121 U.S.A.
(72)**Name of Inventor :**
1)SANG WON HAM
2)JULIE XIAOSHU KUANG
3)DAVID JOSEPH VANONI

(57) Abstract :

Exemplary embodiments are directed to heating or cooling with wireless power. A device may comprise a wireless power receiver having at least one associated receive antenna. The device may further include a thermoelectric element operably coupled to the wireless power receiver and configured to heat or cool at least a portion of the device upon receipt of wireless power.

No. of Pages : 34 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2569/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHODS AND APPARATUS FOR TRAFFIC VOLUME REPORTING DURING RADIO ACCESS NETWORK CONNECTION SETUP

(51) International classification	:H04W 72/04
(31) Priority Document No	:61/249,100
(32) Priority Date	:06/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051693
Filing Date	:06/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)YANG Ming
2)PICA Francesco
3)DUAN Long
4)GOLOVANEVSKY Leonid

(57) Abstract :

Disclosed are methods apparatus and computer program products for traffic volume reporting during radio access network (RAN) connection setup. In one aspect the RAN broadcasts an indicator that it accepts traffic volume measurements (TVM) from access terminals (ATs) and an associated TVM threshold. An AT measures its traffic volume before requesting a connection with the RAN. If the traffic volume is above the threshold AT transmits to the RAN a connection request containing a TVM indicator that the measured traffic volume from the AT is above the threshold. If the traffic volume is below the threshold AT transmits to the RAN a connection request containing a TVM indicator that the traffic volume is below the threshold.

No. of Pages : 31 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2570/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : UE-RS SEQUENCE INITIALIZATION FOR WIRELESS COMMUNICATION SYSTEMS

(51) International classification :H04J 11/00

(31) Priority Document No :61/247,491

(32) Priority Date :30/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050906

Filing Date :30/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)QUALCOMM Incorporated

Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.

(72)Name of Inventor :

1)CHEN Wanshi

2)MONTJO Juan

3)LUO Tao

4)GOROKHOV Alexei Yurievitch

5)KHANDEKAR Aamod Dinkar

6)BHUSHAN Naga

7)FARAJIDANA Amir

(57) Abstract :

Pseudo-random sequences of a plurality of user equipment specific reference signals (UE-RSs) for use by a plurality of user equipments (UEs) are initialized the initialization of each pseudo-random sequence associated with each UE-RS being independent of a specific UE identifier and independent of a resource bandwidth assigned to a specific UE. Pseudo-random sequences of the UE-RSs are generated. At least one of the pseudo-random sequences is mapped to a portion of common resources for at least one UE among the plurality of UEs.

No. of Pages : 47 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2571/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DENTAL BRIDGE ATTACHMENT SYSTEM AND METHOD

(51) International classification	:A61C 8/00
(31) Priority Document No	:61/240,805
(32) Priority Date	:09/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000743
Filing Date	:07/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)DENTAL INNOVISION LTD
Address of Applicant :c/o Quijano & Associates (BVI)
Limited Quijano Chambers P.O. Box 3195 Road Town Tortola
British Virgin Islands U.K.
(72)**Name of Inventor :**
1)UZI BERGER

(57) Abstract :

A removable bridge system for attachment to a plurality of dental implants comprising a plurality of abutments each comprising a seat portion conforming with a shape of a corresponding implant head and allowing fixedly positioning of the abutment to the implant and an abutment head. At least one of the abutments is configured as a locking abutment and comprises a locking portion. A bridge generally conforming with dental parameters of the individual has a bottom surface formed with a receiving apertures shaped so as to snugly fit over a corresponding abutment head. The bridge further comprises a locking arrangement for removably locking the bridge to the abutments and comprising one or more locks for detachable locking to a respective at least one locking abutment.

No. of Pages : 44 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2560/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HUMAN TRACKING SYSTEM

(51) International classification	:G06T 7/20
(31) Priority Document No	:12/575,388
(32) Priority Date	:07/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051662
Filing Date	:06/10/2010
(87) International Publication No	:WO 2011/044257 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)MICROSOFT CORPORATION
Address of Applicant :ONE MICROSOFT WAY,
REDMOND WASHINGTON 98052-6399 U.S.A.
(72)**Name of Inventor :**
1)LEYVAND, TOMMER
2)LEE, JOHNNY
3)STACHNIAK, SIMON
4)PEEPER, CRAIG
5)LIU, SHAO

(57) Abstract :

An image such as a depth image of a scene may be received, observed, or captured by a device. A grid of voxels may then be generated based on the depth image such that the depth image may be downsampled. A background included in the grid of voxels may also be removed to isolate one or more voxels associated with a foreground object such as a human target. A location or position of one or more extremities of the isolated human target may be determined and a model may be adjusted based on the location or position of the one or more extremities.

No. of Pages : 63 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2561/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ANTIMYCOTIC PHARMACEUTICAL COMPOSITION

(51) International classification :A61K 31/4178
(31) Priority Document No :2009-194835
(32) Priority Date :25/08/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/063230
Filing Date :29/07/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)POLA PHARMA INC.
Address of Applicant :8-9-5 Nishigotanda Shinagawa-ku
Tokyo 141-0031 Japan
2)NIHON NOHYAKU CO. LTD.
(72)Name of Inventor :
1)KOBAYASHI Hirokazu
2)KUBOTA Nobuo

(57) Abstract :

A pharmaceutical composition which comprises 1) a compound represented by the following general formula (1) and/or a salt thereof and 2) a ketone such as methyl ethyl ketone. Preferably the compound represented by the following general formula (I) is luliconazole where R1=R2=a chlorine atom: where R1 and R2 each independently represents a hydrogen atom or a halogen atom and at least one of R1 and R2 represents a halogen atom. The present invention provides a preparation excellent in solubilization stability for a compound represented by the general formula (I) and/or a salt thereof in low-temperature or high-temperature storage.

No. of Pages : 33 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2562/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AQUEOUS ACIDIC ETCHING SOLUTION AND METHOD FOR TEXTURING THE SURFACE OF SINGLE CRYSTAL AND POLYCRYSTAL SILICON SUBSTRATES

(51) International classification :C09K 13/08

(31) Priority Document No :61/244,090

(32) Priority Date :21/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/063209

Filing Date :09/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056 Ludwigshafen Germany

2)GP Solar GmbH

(72)Name of Inventor :

1)BRAUN Simon

2)PR-LSS Julian

3)MELNYK Ihor

4)MICHEL Michael

5)MATHIJSEN Stefan

(57) Abstract :

An aqueous acidic etching solution suitable for texturing the surface of single crystal and polycrystal silicon substrates and containing based on the complete weight of the solution - 3 to 10% by weight of hydrofluoric acid; - 10 to 35% by weight of nitric acid; - S to 40% by weight of sulfuric acid; and - 55 to 82% by weight of water; a method for texturing The surface of single crystal and polycrystal silicon substrates comprising the step of (1) contacting at least one major surface of a substrate with the said aqueous acidic etching solution; (2) etching the at least one major surface of the substrate for a time and at a temperature sufficient to obtain a surface texture consisting of recesses and protrusions; and (3) removing the at least one major surface of the substrate from the contact with the aqueous acidic etching solution; and a method for manufacturing photovoltaic cells and solar cells using the said solution and the said texturing method.

No. of Pages : 21 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2563/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR PRODUCING ALUMINUM TITANATE-BASED FIRED BODY AND ALUMINUM TITANATE-BASED FIRED BODY

(51) International classification	:C04B 35/46
(31) Priority Document No	:2009-203817
(32) Priority Date	:03/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065361
Filing Date	:01/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SUMITOMO CHEMICAL COMPANY LIMITED
Address of Applicant :27-1 Shinkawa 2-chome Chuo-ku
Tokyo 104-8260 Japan
(72)**Name of Inventor :**
1)UOE Kousuke
2)KAN Masahiro

(57) Abstract :

The present invention is a process for producing an aluminum titanate-based fired body, comprising shaping a starting material mixture containing inorganic compound source powders including an aluminum source powder and a titanium source powder, as well as an additive, degreasing the obtained shaped body at 150 to 900°C, and firing the degreased shaped body at not lower than 1300°C, wherein the inorganic compound source powders contain 1 to 5 parts by mass of particles having a particle diameter of not larger than 0.1 um in 100 parts by mass thereof.

No. of Pages : 43 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2577/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : GAS-JET COOLING APPARATUS FOR CONTINUOUS ANNEALING FURNACE

(51) International classification :C21D9/573
(31) Priority Document No :2009-246043
(32) Priority Date :27/10/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/069542
Filing Date :27/10/2010
(87) International Publication No :WO 2011/052792
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)JFE STEEL CORPORATION
Address of Applicant :2-3, UCHISAIWAI-CHO, 2-CHOME,
CHIYODA-KU, TOKYO 1000011 Japan
(72)Name of Inventor :
1)KOBAYASHI, HIROKAZU
2)TAKEDA, GENTAROU
3)TAKAHASHI, HIDEYUKI
4)SASAKI, MASATO

(57) Abstract :

Non-uniformity in the temperature distribution in the width direction of a steel strip and fluttering of the steel strip when gas is discharged at a high speed are reduced. A gas-jet cooling apparatus for a continuous annealing furnace includes a plurality of tubular pressure headers having a length that is larger than a width of the steel strip, the pressure headers being arranged so as to face each of front and back surfaces of a steel strip along a longitudinal direction of the steel strip at a pitch L; and a plurality of nozzles protruding from the pressure headers, the nozzles being arranged along the width direction of the steel strip at a pitch Wand arranged along the longitudinal direction of the steel strip in a staggered manner. Positions of the pressure headers on the front and back sides of the steel strip are arranged so as to be displaced in the longitudinal direction of the steel strip such that a distance, in the longitudinal direction of the steel strip, between the pressure headers on the front side of the steel strip and the pressure headers on the back side of the steel strip is equal to or greater than 1/3 and equal to or smaller than 2/3 of the pitch L of the pressure headers in the longitudinal direction of the steel strip. The nozzles on the front and back sides of the steel strip are arranged so as to be displaced in the width direction of the steel strip such that a displacement amount, in the width direction of the steel strip, between the nozzles in a nozzle group on one of the front and back sides of the steel strip and the nozzles in a nozzle group on the other of the front and back sides of the steel strip is equal to or greater than 1/6 and equal to or smaller than 1/3 of the pitch W of the nozzles in the width direction of the steel strip.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2568/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD APPARATUS AND SYSTEM FOR ESTABLISHING PATH FOR TRANSMITTING WIRELESS SIGNAL

(51) International classification	:H04W 76/02
(31) Priority Document No	:200910190707.2
(32) Priority Date	:23/09/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/073120
Filing Date	:24/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Huawei Technologies Co. Ltd.
Address of Applicant :Huawei Administration Building
Bantian Longgang District Shenzhen Guangdong 518129 P.R.
China. China
(72)**Name of Inventor :**
1)OUYANG Weilong
2)ZHOU Jun

(57) Abstract :

A method, an apparatus, and a system for establishing a path for transmitting a wireless signal are disclosed. The path involves a wired medium that connects an access device and a distributed node, and the method includes: the access device obtains communication performance parameters of the distributed node; the access device determines frequency used to transmit a wireless signal through the wired medium according to the communication performance parameters and a workable spectrum of the access device; and the access device adjusts parameters of the access device according to the determined frequency, and sends a message that carries the frequency to the distributed node so that the distributed node adjusts parameters of the distributed node according to the frequency to establish a path for transmitting a wireless signal in the wired medium. The method, the apparatus and the system disclosed herein transmit a wireless signal through a wired medium, and configure parameters of the modem automatically, so as to establish a tunneling transmission path automatically, improve the wall-penetrating capability of the wireless signal and improve the coverage of the wireless signal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2580/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : APPARATUS AND METHOD FOR AUTHORIZATION FOR ACCESS POINT NAME (APN) USAGE IN A SPECIFIC ACCESS

(51) International classification :H04W 12/08

(31) Priority Document No :12/577,646

(32) Priority Date :12/10/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/052380

Filing Date :12/10/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)QUALCOMM Incorporated

Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714.
U.S.A.

(72)Name of Inventor :

1)STUPAR Patrick

2)PANDIT Chennagiri Krishna Subramanaya

3)JIN Haipeng

4)GIARETTA Gerardo

5)MAHENDRAN Arungundram Chandrasekaran

(57) Abstract :

An apparatus and method for receiving a request for authorization and access from a requestor; determining the association of a care-of-address (CoA) in the request with an access technology used by the requestor; administering authorization rules based on the association of the care-of-address (COA) and the access technology; and determining either to allow access or to deny access to the requestor using results from administering the authorization rules.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2581/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COATING MATERIAL COMPRISING UNSATURATED POLYESTER RESINS AND VINYL ETHERS

(51) International classification	:C09D 4/06
(31) Priority Document No	:09168667.5
(32) Priority Date	:26/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061899
Filing Date	:16/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056 Ludwigshafen Germany

(72)Name of Inventor :

1)FIES Matthias

2)POTH Ulrich

3)BREMSER Wolfgang

4)SEEWALD Oliver

(57) Abstract :

The use of a composition which is liquid under standard conditions (20°C, 1 bar) as a coating material, wherein the composition comprises a) an unsaturated polyester resin composed of α -olefinically unsaturated polycarboxylic acids, polyols, and optionally further compounds, b) compounds with vinyl ether groups (vinyl ethers for short), and c) optionally α -olefinically unsaturated polycarboxylic acids or their monoesters or diesters, where the sum of the double bonds of the α -olefinically unsaturated polycarboxylic acids from a) and optionally of the compounds c) to the double bonds of the vinyl ethers b) is in a molar ratio of 1.3:1 to 0.8:1.

No. of Pages : 13 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2582/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : 1 □-PYRAZOLO [3 4-B] PYRIDINE COMPOUNDS FOR INHIBITING RAF KINASE □

(51) International classification :C07D 471/04

(31) Priority Document No :61/238,104

(32) Priority Date :28/08/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/047013

Filing Date :27/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)ARRAY BIOPHARMA INC.

Address of Applicant :3200 Walnut Street Boulder Colorado
80301 United States of America

2)GENENTECH INC.

(72)Name of Inventor :

1)GRADL Stefan

2)LAIRD Ellen

3)MORENO David

4)REN Li

5)WENGLOWSKY Steven Mark

(57) Abstract :

Compounds of Formula I are useful for inhibition of Raf kinases. Methods of using compounds of Formula I and stereoisomers tautomers and pharmaceutically acceptable salts thereof for in vitro in situ and in vivo diagnosis prevention or treatment of such disorders in mammalian cells or associated pathological conditions are disclosed.

No. of Pages : 81 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2583/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYSTEM FOR PREVENTING BACKFLOW IN AN ION SOURCE

(51) International classification :B01D59/44
(31) Priority Document No :12/565,598
(32) Priority Date :23/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/049725
Filing Date :21/09/2010
(87) International Publication No :WO 2011/037942 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)THERMO FINNIGAN LLC
Address of Applicant :355 RIVER OAKS PARKWAY, SAN JOSE, CALIFORNIA 95134 U.S.A.

(72)**Name of Inventor :**
1)WOUTERS, ELOY, R.
2)MULLEN, CHRISTOPHER
3)SPLENDORE, MAURIZIO
4)ATHERTON, R., PAUL

(57) Abstract :

A system for preventing backflow as part of an ion source arrangement is introduced. Such a system incorporates a novel continuous flow guide within a source, such as an API ion source. In the spray direction, the cross-sectional area that defines the first portion of the internal volume initially decreases in a convergent-like manner and thereafter increases in a divergent-like manner towards the exit opening of the source housing. Such a flow guide has been designed as an integral part of an ion source housing to provide for an optimal unidirectional flow past a sampling orifice of a mass spectrometer inlet Accordingly, the novel design of the present invention prevents recirculation and thus minimizes carryover, chemical noise, and source turbulence and as an added benefit, enables a user to easily clean such a system during maintenance.

No. of Pages : 31 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2558/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : IMAGER FOR CONSTRUCTING COLOR AND DEPTH IMAGES

(51) International classification :H04N 5/225

(31) Priority Document No :12/572,082

(32) Priority Date :01/10/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/047564

Filing Date :01/09/2010

(87) International Publication No :WO 2011/041066 A3

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)MICROSOFT CORPORATION

Address of Applicant :ONE MICROSOFT WAY,
REDMOND, WASHINGTON 98052-6399 U.S.A.

(72)Name of Inventor :

1)MCELDOWNEY, SCOTT

2)GIAIMO, EDWARD

(57) Abstract :

A dual-mode includes a light source configured to project a structured illumination from which visible light can be filtered. The dual-mode imager also includes a detector configured to capture both the structured illumination and visible light from the scene. A temporal or spatial filter is used to selectively block visible light from one or more portions of the detector while passing the structured illumination to the one or more portions of the detector.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2576/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : VALVE DEVICE FOR AN AIR SUSPENSION SYSTEM

(51) International classification :B60G17/052
(31) Priority Document No :10 2009 060 559.2
(32) Priority Date :23/12/2009
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2010/006086
Filing Date :06/10/2010
(87) International Publication No :WO 2011/076302
A8
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)WABCO GMBH

Address of Applicant :AM LINDENER HAFEN 21, 30453

HANNOVER Germany

(72)Name of Inventor :

1)BUCZYLKO, PIOTR

2)HLADIK, MARCIN

3)SCHONEBERG, MARKUS

4)SIEKER, ARMIN

5)STENDER, AXEL

6)SZYSZKA, KRZYSZTOF

7)TRAMBAUER, ALEXANDER

8)WAKULSKI, PAWEL

9)WEIHE, ULRICH

(57) Abstract :

The invention relates to a valve device for an air suspension system in a vehicle. The valve device has increased operating convenience. For this purpose, there is provision whereby: (a) the valve device (6) has at least one cushion connection (14, 15) connectable to a pneumatic spring cushion (3) of the air suspension system, a reserve connection (18) connectable to a compressed-air reserve, and a venting connection (12) connectable to the atmosphere, (b) the valve device (6) has an electrical actuation arrangement (7, 8, 21, 22) and a manual actuation element (9), (c) the valve device (6) has a pneumatically actuatable working valve arrangement (27, 28, 29), as a result of the actuation of which the cushion connection (14, 15) can be selectively connected to the reserve connection (18) or to the venting connection (12) or shut off, (d) the working valve arrangement (27, 28, 29) can be actuated pneumatically both by the electrical actuation arrangement (7, 8, 21, 22) and by a pneumatic valve arrangement (23, 24, 25, 26) actuatable via the manual actuation element (9), (e) the working valve arrangement (27, 28, 29) has a pneumatically actuatable holding valve (28), (f) a pneumatic actuation connection of the holding valve (28) can, for the actuation thereof, be connected to the cushion connection (14, 15). The invention relates, moreover, to an electronic control device for controlling an air suspension system in a vehicle by means of such a valve device.

No. of Pages : 51 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2589/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS OIL COMPOSITION

(51) International classification	:C10M111/04
(31) Priority Document No	:09168924.0
(32) Priority Date	:28/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/062485
Filing Date	:26/08/2010
(87) International Publication No	:WO 2011/023766
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SHELL INTERNATIONALE RESEARCH
MAATSCHAPPIJ B.V.**

Address of Applicant :CAREL VAN BYLANDTLAAN 30,
NL-2596 HR THE HAGUE Netherlands

(72)Name of Inventor :

**1)GILES, DAVID ERNEST
2)WEDLOCK, DAVID, JOHN**

(57) Abstract :

A process oil composition comprising: (i) from 50% to 99.9% by weight of de-asphalted cylinder oil (DACO); (ii) from 0.10 % to 20% by weight of a Fischer-Tropsch derived base oil having a kinematic viscosity at 100 of not more than 4.0 mini/s The Fischer-Tropsch derived base oil is useful in a flux oil for de-asphalted cylinder oil. The process oil composition of the present invention is suitable for use as a process oil component in pneumatic tyres.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2601/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PHYSICAL LAYER METRICS TO SUPPORT ADAPTIVE STATION DEPENDENT CHANNEL STATE INFORMATION FEEDBACK RATE IN MULTI-USER COMMUNICATION SYSTEMS

(51) International classification :H04L1/00
(31) Priority Document No :61/244,528
(32) Priority Date :22/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/049622
Filing Date :21/09/2010
(87) International Publication No :WO 2011/037907 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)GREGORY A. BREIT
2)SAMEER VERMANI
3)SANTOSH PAUL ABRAHAM
4)HEMANTH SAMPATH

(57) Abstract :

Certain aspects of the present disclosure present physical layer metrics for supporting adaptive station-dependent channel state information feedback rate in multi-user communication systems. For certain aspects, the physical layer metrics may be calculated at the stations and communicated to the AP. For certain aspects, the metrics may be calculated at an access point utilizing information about channel characteristics of stations available at the access point.

No. of Pages : 52 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2602/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : APPARATUS FOR MANUFACTURING COMPACTED IRON AND APPARATUS FOR MANUFACTURING MOLTEN IRON COMPRISING THE SAME

(51) International classification :C22B 1/16
(31) Priority Document No :10-2009-0087826
(32) Priority Date :17/09/2009
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2010/004098
Filing Date :24/06/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)POSCO

Address of Applicant :1 Goedong-dong Nam-ku Pohang-shi
Kyungsangbuk-do 790-300 Republic of Korea

(72)Name of Inventor :

1)KIM Byung-Tae

2)JEONG Do-Soo

3)JEON Sang-Jin

4)KIM Do-Seung

(57) Abstract :

The present invention relates to an apparatus for manufacturing compacted iron and an apparatus for manufacturing molten iron comprising the same. The apparatus for manufacturing compacted iron comprises: i) a roll core comprising a shaft; and ii) a roll tyre surrounding a circumference of the roll core and having a recess on a surface thereof applied such that compacted irons are manufactured by compressing powder to the compacted irons. A cooling passage through which a cooling fluid applied to cool the roll tyre flows is formed on border surfaces of the roll tyre and the roll core contacting each other and at least one sealing groove located in parallel to the cooling passage and spaced apart from the cooling passage and applied to seal the border surfaces is formed on the border surfaces.

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2594/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HYGIENE MONITORING SYSTEMS AND METHODS

(51) International classification :G08B13/14
(31) Priority Document No :61/245,936
(32) Priority Date :25/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/050101
Filing Date :24/09/2010
(87) International Publication No :WO 2011/038173 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :3M CENTER, POST OFFICE BOX
33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.
(72)**Name of Inventor :**
1)ANDERSON, DANIEL D.
2)BARTZ, SHERMAN L.
3)CARLSON, CRAIG, M.
4)GONZALEZ, BERNARD, A.
5)KNUDSON, ORLIN B.
6)KRUSE, JOHN M.
7)OSTER, CRAIG, D.

(57) Abstract :

Hygiene monitoring systems and methods are described herein. In various embodiments, the systems and methods may be used to monitor cleaning events (e.g., hand washing events, equipment sanitation events, etc.).

No. of Pages : 79 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2595/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PUNCTURING DATA REGIONS FOR SIGNALS TO MINIMIZE DATA LOSS

(51) International classification	:H04L 1/00
(31) Priority Document No	:61/248,805
(32) Priority Date	:05/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051537
Filing Date	:05/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(72)**Name of Inventor :**
1)BHATTAD Kapil
2)FARAJIDANA Amir
3)MONTJO Juan
4)GOROKHOV Alexei Yurievitch

(57) Abstract :

Methods and apparatuses are provided that facilitate puncturing codeblocks in resource blocks for muting or transmitting signals of a disparate technology such that the puncturing similarly impacts the codeblocks. Codeblocks can be mapped in order across frequency in a given data symbol before moving to a next data symbol. In this regard utilizing data resource elements substantially evenly spaced across frequency and across data symbols in a data resource block for transmitting signals of the disparate technology can substantially equalize impact of the puncturing to related codeblocks. In addition resources can be allocated to legacy devices devices with bandwidth data rate or quality of service requirements devices of a certain rank or geometry etc. based at least in part on the puncturing. Moreover a modulation and coding scheme can be selected for generating codeblocks based at least in part on the puncturing and its effect on performance.

No. of Pages : 48 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2606/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : OPPOSITE RADIAL ROTARY-PISTON ENGINE OF CHORONSKI

(51) International classification :F02B 75/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/IB2009/006902

Filing Date :24/08/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)CHORONSKI Evgeniy

Address of Applicant :1 Lachish St. Apt. 58 Ashkelon-78714
Israel

2)MOUKHAEV Boris

(72)Name of Inventor :

1)CHORONSKI Evgeniy

2)MOUKHAEV Boris

(57) Abstract :

A two-stroke opposite radial rotary-piston engine is proposed comprising a block including sleeves pairs of pistons disposed within the sleeves and oppositely movable guiding bearings a power takeoff shaft rotors mounted thereon having an inner surface formed by a closed curved line the rotors transverse axes are predeterminedly disposed. On the frontal part the rotors have concaved surface portions along the curved line. T-like traverses are mounted pair-wise spanning the pistons. The traverses include convex protrusions cooperating with the concaved portions during the start of the engine. A clearance between the concaved and convex portions is provided after the start. The engine comprises support bearings coupled to traverses. Support bearings include an external bushing rolling over the inner surface of the rotor associated with the traverse thereby impelling the rotor. Other elements and alternative module embodiments are added enhancing the efficiency size weight and power variety of the engine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2607/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : FIBER OPTIC ADAPTER WITH ENHANCED ALIGNMENT

(51) International classification	:G02B 6/38
(31) Priority Document No	:12/546,311
(32) Priority Date	:24/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045505
Filing Date	:13/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PANDUIT CORP

Address of Applicant :18900 Panduit Drive Tinley Park IL
60487 U.S.A.

(72)Name of Inventor :

1)DALTON John G.

2)WILTJER Jerry A.

3)DERR Calvin H.

(57) Abstract :

A fiber-optic adapter with enhanced alignment is described. The adapter has two opposing housing halves and two opposing floating connector latches. Each housing half has a channel. The channels are configured to align when the two housing halves are secured together. The channels of the housing halves also have pockets which are configured to utilize a clearance fit allowing the connector latches to float when the housing halves are secured together.

No. of Pages : 13 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2609/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MODULAR AND SCALABLE PORT VEHICLE

(51) International classification :B62D 21/12

(31) Priority Document No :0955797

(32) Priority Date :25/08/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051276

Filing Date :22/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)ENVISION VEHICLE ENGINEERING NOVASIO
TECHNOLOGY EVENT**

Address of Applicant :11 rue du 47^{me} d'Artillerie F-70400
Hericourt France

(72)Name of Inventor :

1)GAUSSIN Christophe

2)HECKY Stphane

3)FENIX Reginald

(57) Abstract :

The invention relates to a central module (1) for a modular vehicle (100). The module is characterized in that it comprises, on either side of a loading surface (10), a first end (IA) having a first junction surface (11) and a second end (ID) opposite said first end (IA) having a second junction surface (12) that is symmetrical nonparallel to said first surface (11), each of the latter designed to be capable of complementarity engaging with a complementary junction surface (23) of a side module (2) capable of engaging with the central module (1) by buttressing assembly. The invention relates to a modular vehicle (100) comprising such a module (1). The vehicle is characterized in that the latter is assembled, at each end (IA; ID) thereof, to a side module (2), one side module comprising means for running on the ground (30). The invention relates to a train of vehicles comprising such a vehicle (100).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2584/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHODS FOR CALCULATING MULTIMODE FIBER SYSTEM BANDWIDTH AND MANUFACTURING IMPROVED MULTIMODE FIBER

(51) International classification	:G01M11/00
(31) Priority Document No	:61/237,827
(32) Priority Date	:28/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/046946
Filing Date	:27/08/2010
(87) International Publication No	:WO 2011/025936 A9
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PANDUIT CORP.

Address of Applicant :18900 PANDUIT DRIVE, TINLEY PARK, IL 60487 U.S.A.

(72)Name of Inventor :

1)LANE, BRETT

(57) Abstract :

An improved algorithm for calculating multimode fiber system bandwidth which addresses both modal dispersion and chromatic dispersion effects is provided. The radial dependence of a laser transmitter emission spectrum is taken into account to assist in designing more effective optical transmission systems.

No. of Pages : 48 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2596/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : EFFICIENT SIGNALING FOR CLOSED-LOOP TRANSMIT DIVERSITY

(51) International classification :H04B 7/06
(31) Priority Document No :12/575,936
(32) Priority Date :08/10/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/052096
Filing Date :08/10/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM Incorporated
Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(72)**Name of Inventor :**
1) TSAI Ming-Chang
2) WU Ann Tsuey Jiuan
3) CAI Hailiang

(57) Abstract :

Techniques for encoding a phase adjustment for a feedback signal in a closed-loop transmit diversity system. In an aspect codewords for the phase adjustments are chosen according to a variable-length prefix code. The prefix code aspect allows the codewords to be transmitted in sequence on the feedback channel without being separated by commas or demarcation symbols. The variable-length aspect provides a variety of coarse and fine phase adjustment quantization step sizes to accommodate multiple different channel scenarios. In an aspect the length of the codewords may be further optimized according to the Huffman encoding algorithm.

No. of Pages : 49 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2597/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : TRANSPARENT ELECTROCHROMIC SYSTEM WITH A PLURALITY OF PAIRS OF SUPPLY ELECTRODES□

(51) International classification	□G02F 1/15
(31) Priority Document No	:09 56701
(32) Priority Date	:28/09/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/052012
Filing Date	:24/09□2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ESSILOR INTERNATIONAL (COMPAGNIE GENERALE DOPTIQUE)

Address of Applicant :147 rue de Paris F-94220 Charenton Le Pont France

(72)Name of Inventor :

1)ARCHAMBEAU Samuel

2)BIVER Claudine

3)CANO Jean-Paul

4)DULUARD Sandrine

(57) Abstract :

The invention relates to a transparent electrochromic system (100) which includes two pairs of transparent supply electrodes (1-4) which are intended for being electrically connected to variable power sources (20 21). The electrodes of the two pairs are supported by separate outer walls (10 11) of the system on either side of a closed volume which contains electroactive substances. The electrochromic system has superior dynamics and switching rate. Various embodiments of the invention correspond to various modes for connecting the electrodes to the power sources and to various partitions of the closed volume into separate cells (13)

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2598/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MACHINE TOOL SYSTEM CONTROL HAVING AUTOMATIC SAFE REPOSITIONING

(51) International classification :G05B19/18
(31) Priority Document No :12/575,847
(32) Priority Date :08/10/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/051408
Filing Date :05/10/2010
(87) International Publication No :WO 2011/044087 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HURCO COMPANIES, INC.
Address of Applicant :ONE TECHNOLOGY WAY, POST
OFFICE BOX 68180, INDIANAPOLIS, IN 46268 U.S.A.
(72)**Name of Inventor :**
1)PAUL GRAY

(57) Abstract :

The present disclosure includes a motion control system for a machine tool system configured to shape a part with a tool, including an I/O module with machine control information that defines limits of a three-dimensional working space of the machine tool system. The I/O module further includes a part program that specifies first and second positions of the tool without reference to the working space limits. The motion control system further includes a software controller configured to internally process moves to determine whether the tool can be repositioned from the first position to the second position while maintaining the tool above a minimum clearance from the part and within the working space limits, output the internally processed moves to the machine tool system to cause movement of the tool if the tool can be safely repositioned, and output an error if the tool cannot be safely repositioned.

No. of Pages : 77 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2610/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DISC BRAKE

(51) International classification :F16D 65/097
(31) Priority Document No :2009-222773
(32) Priority Date :28/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/066711
Filing Date :27/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Hitachi Automotive Systems Ltd.
Address of Applicant :2520 Takaba Hitachinaka-shi Ibaraki
312-8503 Japan
(72)**Name of Inventor :**
1)WAKABAYASHI Nobuhiro
2)HAYASHI Shigeru

(57) Abstract :

Provided is a disc brake capable of preventing large positional shift of a position of abutment of a return spring against a mounting member, which occurs with wear of a friction pad and the like. The return spring for biasing the friction pad in a direction away from a disc includes a fixed portion on one side, which is fixedly mounted to the friction pad, an extending portion extending from the fixed portion in an axial direction of the disc and in a direction away from the friction pad, a turned-back portion formed by turning back a distal end side of the extending portion toward the mounting member, and an abutting portion provided on a distal end side of the turned-back portion so as to be elastically brought into abutment against a side of the mounting member. A portion (bent portion) of the turned-back portion, which is formed by bending the turned-back portion at the middle thereof, is located at a position separated farther away from the fixed portion than the abutting portion in a disc rotating direction.

No. of Pages : 66 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2585/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : TIRE TESTER

(51) International classification	:G01M17/02
(31) Priority Document No	:2009-220849
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005745
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/036876
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)

Address of Applicant :10-26, WAKINOHAMA-CHO, 2-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan

(72)Name of Inventor :

1)SUMITANI, TAKASHI

2)SARUMARU, SHOGO

3)SOEJIMA, MUNENORI

(57) Abstract :

Disclosed is a tire tester (1) provided with: a device frame (3); a slide base (10) provided on the device frame (3) so as to be able to move up and down; a large spindle (11) that is attached to the slide base (10) and can rotatably support a large-diameter tire (T1); and a small spindle (12) that is attached to the slide base (10) and can rotatably support a small-diameter tire (T2) that is smaller than the large-diameter tire (T1). The disclosed tire tester (1) can push one of the tires (T1 or T2) against a simulated road surface (5), by means of the up/down movement of the slide base (10), and perform a tire test.

No. of Pages : 40 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2599/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LOW BEND LOSS OPTICAL FIBER

(51) International classification	:G02B6/036
(31) Priority Document No	:61/241,636
(32) Priority Date	:11/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047610
Filing Date	:02/09/2010
(87) International Publication No	:WO 2011/031612 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CORNING INCORPORATED

Address of Applicant :1 RIVERFRONT PLAZA, CORNING,
NEW YORK 14831 U.S.A.

(72)Name of Inventor :

1)DANA C. BOOKBINDER

2)MING-JUN LI

3)PUSHKAR TANDON

(57) Abstract :

An optical fiber includes a central glass core region comprising maximum refractive index delta percent A_1 , a first inner annular region surrounding said core comprising refractive index delta percent A_2 , a depressed annular region surrounding said inner annular region and comprising A_3 and a third annular region surrounding the depressed annular region comprising refractive index delta percent A_4 ; wherein $A_{1MAX} > A_4 > A_2 > A_3$. The difference between A_4 and A_2 is greater than TO 1 and profile volume, $|V_3|$ is at least: $60\% A_{um2}$.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2600/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : REFERENCE SIGNAL DESIGN FOR DOWNLINK HIGH ORDER MIMO

(51) International classification :H04W88/10
(31) Priority Document No :61/244,130
(32) Priority Date :21/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2010/001507
Filing Date :21/09/2010
(87) International Publication No :WO 2011/047462 A2
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ROCKSTAR BIDCO, LP
Address of Applicant :1285 AVENUE OF THE AMERICAS,
NEW YORK, NEW YORK 10019-6064 U.S.A.
(72)**Name of Inventor :**
1)HUA XU
2)JIANGLEI MA
3)DONG-SHENG YU
4)MING JIA
5)AARON COLLARD
6)MOHAMMADHADI BALIGH

(57) Abstract :

In a cellular network supporting both legacy standard-compliant mobile terminals and next generation standard-compliant mobile terminals, both legacy reference signals and next generation reference signals are supported. A method of operation of a MIMO transmitter compliant with both standards includes: defining a matrix of resource blocks within an information channel of the cellular network, wherein each resource block corresponds to a region of subcarriers of a transmission timeslot at a given frequency subband; assigning a first set of reference signals (RSs) for the legacy standard-compliant mobile terminals to resource blocks at specific locations within the matrix to be transmitted by the MIMO transmitter, the specific locations being defined by the legacy standard; and assigning a second set of RSs for the next-generation standard-compliant mobile terminals to other resource blocks within the matrix to be transmitted by the MIMO transmitter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2613/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DRIVING EVALUATION METHOD

(51) International classification :G06Q 50/00
(31) Priority Document No :2009-196343
(32) Priority Date :27/08/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/064435
Filing Date :26/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Luna Co. Ltd.

Address of Applicant :Nishikamata TO building 5F 44-7
Nishikamata 7 Ota-ku Tokyo 1440051 Japan

(72)Name of Inventor :

1)Seiichiro Tanoue

2)Hidefumi Higuchi (Deceased)

(57) Abstract :

Disclosed is a driving evaluation method capable of properly evaluating an efficient driving mode corresponding to road conditions by way of using energy efficiency as a main perspective of evaluation. The driving evaluation method on the basis of motion data (S2) of a mobile body calculates an evaluation index and performs driving evaluation and is characterized in obtaining from the motion data evaluation indices A B D and E which are functions of an acceleration energy Ei injected into the mobile body and a motion distance Li of the mobile body and which have a positive correlation with either one of the acceleration energy or the motion distance and a negative correlation with the other.

No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2616/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MBSFN SUBFRAME GENERATION AND PROCESSING FOR UNICAST

(51) International classification :H04W 48/08

(31) Priority Document No :61/249,127

(32) Priority Date :06/10/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/051700

Filing Date :06/10/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)QUALCOMM Incorporated

Address of Applicant :Attn: International IP Administration
5775 Morehouse Drive San Diego California 92121-1714 U.S.A.

(72)Name of Inventor :

1)MONTJO Juan

2)GAAL Peter

3)CHEN Wanshi

(57) Abstract :

Certain aspects of the present disclosure propose methods and apparatus for utilizing unused Multimedia Broadcast over a Single Frequency Network (MBSFN) subframes for unicast transmissions. The proposed methods include efficient cyclic prefix (CP) and MBSFN frame structure design and an optimized subframe/carrier bundling window design for hybrid automatic repeat request (HARQ) feedback in presence of the MBSFN subframes.

No. of Pages : 38 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2611/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY PANEL AND METHOD FOR TESTING SUBSTRATE FOR LIQUID CRYSTAL DISPLAY PANEL

(51) International classification	:G02F 1/1339
(31) Priority Document No	:2010-005557
(32) Priority Date	:14/01/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005773
Filing Date	:24/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SHARP KABUSHIKI KAISHA
Address of Applicant :22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan
(72)**Name of Inventor :**
1)HAYAMA Takafumi

(57) Abstract :

A liquid crystal display panel (1) includes a TFT substrate (10) a CF substrate (20) facing the TFT substrate (10) a liquid crystal layer (25) provided between the TFT substrate (10) and the CF substrate (20) an alignment film configured to control alignment of the liquid crystal layer (25) and a sealing member (26) sandwiched between the TFT substrate (10) and the CF substrate (20) and formed in the shape of a frame surrounding the liquid crystal layer (25). In a region (35) where the sealing member (26) is to be provided a metal pattern (2) is provided which is configured to reflect infrared light emitted from a Fourier transform infrared spectrometer toward the Fourier transform infrared spectrometer in order to determine the presence or absence of the alignment film in the region (35).

No. of Pages : 54 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2612/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : BROADBAND DIPOLE ANTENNA

(51) International classification :H01Q 9/16
(31) Priority Document No :10-2009-0082639
(32) Priority Date :02/09/2009
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2010/005981
Filing Date :02/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application :NA
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)KMW INC.

Address of Applicant :65 Yeongcheon-ri Dongtan-myeon
Hwaseong-si Gyeonggi-do 445-813 Republic of Korea.

(72)Name of Inventor :

1)Oh-Seog CHOI

2)Young-Chan MOON

3)Heon-Jeong JEONG

(57) Abstract :

A broadband dipole antenna of the present invention comprises: a radiator having a plurality of radial pattern portions in which radial patterns of a resonator for transmitting and receiving wireless signals are formed on one surface thereof; and a feeding and balloon structure for supporting the radiator and supplying the power. In the radial pattern portions the radial patterns having the predetermined widths and shapes are doubly formed in the outside and the inside thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2627/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A COMPOSITION TO IMPROVE COLD FLOW PROPERTIES OF FUEL OILS

(51) International classification :C08L33/04
(31) Priority Document No :09171400.6
(32) Priority Date :25/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/060518
Filing Date :21/07/2010
(87) International Publication No :WO 2011/035947
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)EVONIK ROHMAX ADDITIVES GMBH
Address of Applicant :KIRSCHENALLEE, 64293
DARMSTADT Germany
(72)**Name of Inventor :**
1)SONDJAJA, RONNY
2)KOSCHABEK, RENE
3)WEBER, MARKUS
4)BENITO, JANE
5)LIU, JIAN MIKE
6)STOHR, TORSTEN

(57) Abstract :

The present invention describes a composition comprising at least one polyalkyl(meth)acrylate polymer having a number average molecular weight Mn of from 1000 to 10000 g/mol and a polydispersity Mw/Mn of from 1 to 8 and at least one ethylene vinyl acetate copolymer comprising units being derived from at least one alkyl (meth)acrylate having 1 to 3 0 carbon atoms in the alkyl residue. The composition is useful as cold flow improver in fossil fuel oil and or biodiesel fuel oil.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2628/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AMINE-EPOXY ADDUCTS AND THEIR USE FOR PREPARING POLYUREA AND POLYUREA-POLYURETHANE COATINGS

(51) International classification	:C08G18/64
(31) Priority Document No	:P0900532
(32) Priority Date	:27/08/2009
(33) Name of priority country	:Hungary
(86) International Application No	:PCT/HU2010/000090
Filing Date	:24/08/2010
(87) International Publication No	:WO 2011/024014 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)POLINVENT KFT
Address of Applicant :ADY E. UT 59., H-1221, BUDAPEST
Hungary
(72)**Name of Inventor :**
1)NAGY, GABOR
2)BALAZS, FERENC
3)CSELIK, GYORGY

(57) Abstract :

The invention relates to amine-epoxy adducts with symmetrical and asymmetrical structures based on one hand on aliphatic, cycloaliphatic, araliphatic or aromatic mono-, di- and triamines, and on the other hand on aliphatic, cycloaliphatic and aromatic, mono-, di- or polyepoxy compounds, having an average molecular mass (M_n) of more than 300, but less than 8000, preferably less than 6000, containing at least one, preferably on an average more than one alcoholic hydroxyl group per molecule which is formed in the course of the epoxy-amine reaction, which contain at least two amino groups per molecule being able to react with isocyanate groups, among those maximum one is primary amine, the adduct molecules are of polymeric character and their viscosity is

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2629/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HEAT TRANSFER SYSTEM UTILIZING THERMAL ENERGY STORAGE MATERIALS

(51) International classification :F28D20/00
(31) Priority Document No :61/245,767
(32) Priority Date :25/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2009/067823
Filing Date :14/12/2009
(87) International Publication No :WO 2011/037596 A1
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)DOW GLOBAL TECHNOLOGIES LLC
Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.
(72)**Name of Inventor :**
1)SOUKHOJAK, ANDREY
2)BANK, DAVID

(57) Abstract :

An enhanced heat transfer between stored thermal energy and a heat recipient via a capillary pumped loop. The devices, systems and methods employ a thermal energy storage material having a solid to liquid phase transition at a temperature and a structure having a plurality of capillaries.

No. of Pages : 45 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2603/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HETEROCYCLIC ANTIVIRAL COMPOUNDS

(51) International classification :C07D 213/64

(31) Priority Document No :61/244,287

(32) Priority Date :21/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/063660

Filing Date :17/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

Address of Applicant :124 Grenzacherstrasse CH-4070 Basel
Switzerland

(72)Name of Inventor :

1)DE VICENTE FIDALGO Javier

2)LI Jim

3)SCHOENFELD Ryan Craig

4)TALAMAS Francisco Xavier

(57) Abstract :

Compounds having the formula I wherein R1 R2 R3 R4 and R5 are as defined herein are Hepatitis C virus NS5b polymerase inhibitors. Also disclosed are compositions and methods for treating an HCV infection and inhibiting HCV replication.

No. of Pages : 61 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2605/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL TREATED MINERAL PIGMENTS FOR AQUEOUS BASED BARRIER COATINGS

(51) International classification :D21H 19/44
(31) Priority Document No :61/236,286
(32) Priority Date :24/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/046415
Filing Date :24/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)BASF CORPORATION
Address of Applicant :100 Campus Drive Florham Park NJ
07932 U.S.A.
(72)**Name of Inventor :**
1)MATHUR Sharad
2)BERUBE Richard
3)FOLMAR Kenneth W.
4)SERAFANO John D.
5)KHOKHANI Ashok
6)RIGNEY Jennifer
7)GODFREY James Royce

(57) Abstract :

This invention is directed to novel pigments pigment systems (including components not classified as pigments) and formulations for use in an aqueous coating system applied onto cellulosic (paper and/or paperboard) and non-cellulosic substrates (polyethylene (PE) polylactic acid (PLA) polyvinyl acetate (PVAc) etc.) to impart barrier properties.

No. of Pages : 40 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2618/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A METHOD FOR CHEMICAL ETCHING OF A NEEDLE CANNULA

(51) International classification :A61B 17/34
(31) Priority Document No :09170828.9
(32) Priority Date :21/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/063787
Filing Date :20/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Novo Nordisk A/S
Address of Applicant :Novo All DK-2880 Bagsv|rd Denmark
(72)**Name of Inventor :**
1)LARSEN Andre
2)CHRISTOFFERSEN Lasse Wengel
3)ANDERSEN Mikael
4)PREUTHUN Jan Harald

(57) Abstract :

A regular metallic cylindrical tubular needle cannula (1) is subjected to a metal etching liquid (21) in the inside lumen (4) thereby increasing the inside diameter and enhancing the flow properties while maintaining the outside appearance. The inside diameter is only increased over a controlled length (7) of the full length of the needle cannula (1) leaving sufficient length and wall thickness to also taper the outside diameter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2619/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : INFORMATION INPUT/OUTPUT DEVICE INFORMATION PROCESSING DEVICE
INFORMATION INPUT/OUTPUT SYSTEM PRINTED MEDIUM AND INFORMATION INPUT/OUTPUT METHOD□

(51) International classification :B01D 53/50
(31) Priority Document No :2009-205058
(32) Priority Date :04/09/2009
(33)□ Name of priority country :Japan
(86) International Application No :PCT/JP2010/065118
Filing Date :03/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)YOSHIDA Kenji

Address of Applicant :9-14-2302 Koishikawa 1-Chome
Bunkyo-ku Tokyo 1120002 JAPAN.

(72)Name of Inventor :

1)YOSHIDA Kenji

(57) Abstract :

Continuous output of content data is aimed in output of content data using a dot pattern. In the information processing method of the invention by storing a content data file that stores content data or a dot code signified by a dot pattern and also has a function as instruction information that indicates other content data to be continuously output after outputting the desired content data the content data can be continuously output

No. of Pages : 105 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2621/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : REFRIGERATOR

(51) International classification	:F25D23/06
(31) Priority Document No	:2009-218450
(32) Priority Date	:24/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005728
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/036870
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PANASONIC CORPORATION

Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 Japan

(72)Name of Inventor :

1)HORII, KATSUNORI

2)HORIO, YOSHIMASA

3)HORII, SHIN'ICHI

4)TANAKA, MASAACKI

5)YUASA, MASASHI

(57) Abstract :

A refrigerator includes an insulated cabinet, an insulated door for opening and closing a front face of an opening of the insulated cabinet, a storage compartment including the insulated cabinet and the insulated door, an insulated partition for dividing the storage compartment into multiple storage compartments, and a mechanical compartment for housing a compressor. The mechanical compartment is provided at a lower part of the insulated cabinet. Heat penetration through insulated walls and heat penetration from the opening are comprehensively reduced to improve cooling efficiency by setting a thickness of the insulated partition greater than a thickness of an insulated wall provided between the storage compartment and the mechanical compartment. This offers a power-saving refrigerator.

No. of Pages : 43 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2636/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYSTEM FOR EXTRACTION AND TRANSPORT OF LIGHT ASHES BY MEANS OF A STEEL BELT CONVEYOR

(51) International classification	:F23J3/06
(31) Priority Document No	:RM2009A000488
(32) Priority Date	:24/09/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/053902
Filing Date	:31/08/2010
(87) International Publication No	:WO 2011/036587
	A2
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)MAGALDI INDUSTRIE S.R.L.
Address of Applicant :VIA IRNO 219, I-84135 SALERNO
Italy
(72)**Name of Inventor :**
1)MAGALDI, MARIO

(57) Abstract :

A transport apparatus (1) for dry extraction and transport of fly (light) ashes produced inside solid fuel boilers, apt to be associated with a fume dedusting system (100) and comprising: a metal belt conveyor (2), having a plurality of slats (5) partially overlapped, apt to support a bed of fly ashes to transport it along a preset path, and a sealed metal casing (3) inside which said slats move; and - containment means for fly ashes, apt to confine the latter on said slats (5) and along said transport path so as to limit relative motion between ashes and conveyor (2), which means comprises transverse boards (10), leveling members (7), side boards (6) and a movable rear baffle (8)

No. of Pages : 25 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2617/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DRUG DELIVERY SYSTEM AND DEVICE WITH CAP FUNCTION

(51) International classification :A61M 5/00
(31) Priority Document No :09170841.2
(32) Priority Date :21/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/063246
Filing Date :09/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NOVO NORDISK A/S
Address of Applicant :Novo All DK-2880 Bagsv|rd
Denmark
(72)**Name of Inventor :**
1)NIELSEN Karsten Baker
2)LARSEN Andre

(57) Abstract :

A system comprising first and second drug delivery devices based on the same technology platform each comprising a main portion with a reservoir holding a type of drug a rug outlet and drug expelling means for expelling drug from the reservoir through the drug outlet as well as a cap releasably mountable to the main portion to enclose the drug outlet each cap comprising a unique user-identifiable marking indicating the corresponding type of drug. The cap and main portion of each drug delivery device comprise a pair of corresponding key structures preventing the first cap from being mounted on the second main portion and the second cap from being mounted on the first main portion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2630/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ASSEMBLY AND INDICATOR FOR A DRUG DELIVERY DEVICE

(51) International classification :A61M5/145

(31) Priority Document No :09171134.1

(32) Priority Date :23/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/063842
Filing Date :21/09/2010

(87) International Publication No :WO 2011/036134
A3

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SANOFI-AVENTIS DEUTSCHLAND GMBH

Address of Applicant :BRUNINGSTRASSE 50, D-65929

FRANKFURT AM MAIN Germany

(72)Name of Inventor :

1)PLUMPTRE, DAVID

2)TERRY, WARREN

3)VEASEY, ROBERT

4)JONES, MATTHEW

5)CLAUGHTON, TIMOTHY GILES

(57) Abstract :

An assembly for a drug delivery device (1), comprising a housing (2) having a proximal end and a distal end, a piston rod (8) and an indicator (13). The piston rod (8) is adapted to be displaced distally with respect to the housing (2) away from a proximal start position and towards a distal end position for delivering a drug (31). The indicator (13) is adapted for indicating at least two different operation conditions of the assembly, the indicator (13) being moveable with respect to the housing (2) from a first indication position for a first condition of the assembly into a second indication position for a second condition of the assembly. The piston rod (8) and the indicator (13) are configured to mechanically interact for converting movement of the piston rod (8) into movement of the indicator (13). A first detent (21) is provided which is configured to releasably secure the indicator (13) in the first indication position such that movement into the second indication position is allowed. A second detent (22) is provided which is configured to secure the indicator (13) in the second indication position such that movement into the first indication position is prevented.

No. of Pages : 37 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2631/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WATER-BASED ADHESIVE FOR LAMINATION OF POLYMERS TO METAL SUBSTRATES

(51) International classification :C09J201/06
(31) Priority Document No :61/245,736
(32) Priority Date :25/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/050127
Filing Date :24/09/2010
(87) International Publication No :WO 2011/038182 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)HENKEL AG & CO. KGAA
Address of Applicant :HENKELSTRASSE 67, D-40589
DUSSELDORF Germany
(72)Name of Inventor :
1)MCGEE, JOHN, D.
2)BAMMEL, BRIAN, D.

(57) Abstract :

SUBSTRATES ABSTRACT OF THE DISCLOSURE What is disclosed is a water-based adhesive composition that is an aqueous dispersion or emulsion of a polymer component having functional groups that are inactive in a reversible manner in the adhesive composition as prepared; and a water-soluble, or water emulsion, or dispersion of a cross linker component having functional groups wherein the functional groups are inactive in a reversible manner in the adhesive composition as prepared. Preferably the adhesive composition has a pH of from 7 to 11 and a volatile stabilizing base component is used to inactivate the functional groups and to provide the pH. The functional groups in the polymer component and the cross linker component are activated when the volatile base is removed during lamination heat treatment. The adhesive composition can be used to adhere a variety of plastic films to metal substrates without reliance on non-water-based adhesives.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2632/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : BEARING MECHANISM FOR A TRANSVERSE LEAF SPRING

(51) International classification	:B60G11/08
(31) Priority Document No	:10 2009 028 896.1
(32) Priority Date	:26/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/061677
Filing Date	:11/08/2010
(87) International Publication No	:WO 2011/023548
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ZF FRIEDRICHSHAFEN AG
Address of Applicant :88038, FRIEDRICHSHAFEN Germany
(72)**Name of Inventor :**
1)WAGNER, VOLKER
2)HOFMANN, PETER
3)FRUHMANN, GABRIELE
4)HEIMANN, JENS

(57) Abstract :

Bearing Mechanism for a Transverse Leaf Spring The invention relates to a bearing mechanism for a transverse leaf spring (1) that can be mounted in the region of a vehicle axle of a vehicle, having an outer bearing shell device and insertion devices, at least some regions of which are encompassed by the outer bearing shell device, and which each comprise at least two layer elements having different stiffness. In the assembled state, the insertion devices are each disposed between the outer bearing shell device and the transverse leaf spring (1). The transverse leaf spring (1) in the region of the support surface (11 A, 11B) is designed having a recess (11C, 11D), into which at least sections of the insertion devices engage in a form locking manner. The recesses (11C, 11D) are located on a top side (111) and a bottom side (112) of the transverse leaf spring (1) with respect to a vertical axis (z) of the vehicle. According to the invention, in the mounted state of the transverse leaf spring (1), the recesses (11C, 11D) are delimited by edge regions (115, 116) of the top side (111) and the bottom side (112) that are formed between the top side (111) and the bottom side (112) and lateral surfaces (113, 114), in the longitudinal direction of the vehicle.

No. of Pages : 80 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2622/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR PRODUCING A CRYSTALLINE SOLID FROM GLYCINE-N,N-DIACETIC ACID DERIVATIVES WITH SUFFICIENTLY REDUCED HYGROSCOPICITY

(51) International classification	:C07C227/42
(31) Priority Document No	:10 2009 038 951.2
(32) Priority Date	:26/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005219
Filing Date	:25/08/2010
(87) International Publication No	:WO 2011/023382
	A3
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056, LUDWIGSHAFEN Germany

(72)Name of Inventor :

1)BARANYAI, ANDREAS

(57) Abstract :

The present invention relates to a process for preparing a crystalline solid from glycine-N,N-diacetic acid derivatives (e.g., MGDA) of sufficiently low hygroscopicity, which is characterized in that at least one crystalline compound of the formula I is introduced as seed, and a spray granulation is carried out with at least one compound of the formula I, preferably followed by a heat treatment.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2623/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERFORATED LAMINATED POLYMERIC FOAM ARTICLES

(51) International classification :B29C65/48
(31) Priority Document No :61/245,680
(32) Priority Date :25/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047826
Filing Date :03/09/2010
(87) International Publication No :WO 2011/037740 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)DOW GLOBAL TECHNOLOGIES LLC
Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.
(72)**Name of Inventor :**
1)BORGWARDT, ANETT
2)GORDON-DUFFY, JOHN

(57) Abstract :

A polymeric foam article has at least two thermoplastic polymer foams in layered orientation, each of the thermoplastic polymer foams having an adjoining surface that contains a polymer skin, a thickness dimension perpendicular to the adjoining surface, perforations that are less than one millimeter in diameter that penetrate through the adjoining surface to a depth less than the thickness dimension of the foam, where the adjoining surface of one thermoplastic polymer foam is adjacent and adhered to the adjoining surface of another thermoplastic polymer foam with an adhesive thereby affixing the thermoplastic polymer foams to one another.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2624/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : 2,5 FURAN DICARBOXYLATES COMPRISING ISODECANOLS, AND USE THEREOF

(51) International classification :C07D307/68
(31) Priority Document No :10 2009 028 976.3
(32) Priority Date :28/08/2009
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2010/061123
Filing Date :30/07/2010
(87) International Publication No :WO 2011/023491
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)EVONIK OXENO GMBH
Address of Applicant :PAUL-BAUMANN-STRASSE 1,
45772 MARL Germany
(72)**Name of Inventor :**
1)GRASS, MICHAEL
2)BECKER, HINNERK GORDON

(57) Abstract :

The invention relates to mixtures of isodecyl furan-2,5-dicarboxylate of formula I, methods for producing said mixtures of isodecyl furan-2,5-dicarboxylate of formula I, compositions containing mixtures of isodecyl furan-2,5-dicarboxylate of formula I, uses of the mixtures of isodecyl furan-2,5-dicarboxylate of formula I, as plasticizers, and uses of the aforementioned compositions containing isodecyl furan-2,5-dicarboxylate of formula I

No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2625/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SECURE ALERT SYSTEM AND METHOD

(51) International classification :G06Q20/00

(31) Priority Document No :61/237,801

(32) Priority Date :28/08/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/044370

Filing Date :04/08/2010

(87) International Publication No :WO 2011/031394 A3

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)VISA INTERNATIONAL SERVICE ASSOCIATION

Address of Applicant :P.O. BOX 8999, MI-11F, SAN
FRANCISCO, CALIFORNIA-94128 U.S.A.

(72)Name of Inventor :

1)HAMMAD, AYMAN

(57) Abstract :

A method for receiving transaction data for a transaction, accessing a database comprising alert preference data, and generating a secure alert message using the transaction data and alert preference data using a notification server coupled to the database. The secure alert message comprises a dynamic identifier personal to the consumer. The method also includes sending the secure alert message to a consumer device.

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2640/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : USE OF CYCLOALIPHATIC DIOLS AS BIOCIDES

(51) International classification	:A01N31/06
(31) Priority Document No	:09168687.3
(32) Priority Date	:26/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061663
Filing Date	:11/08/2010
(87) International Publication No	:WO 2011/023540
	A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056, LUDWIGSHAFEN Germany

(72)Name of Inventor :

1)MIJOLOVIC, DARIJO

2)WENDEL, VOLKER

3)SUCKERT, ANJA

(57) Abstract :

Use of diols with a cycloaliphatic group as biocide.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2641/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYSTEM FOR RAPID HIGH-RESOLUTION GEL ELECTROPHORESIS

(51) International classification :G01N27/447

(31) Priority Document No :61/236,293

(32) Priority Date :24/08/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/046510

Filing Date :24/08/2010

(87) International Publication No :WO 2011/028535 A2

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)LIFE TECHNOLOGIES CORPORATION

Address of Applicant :5791 VAN ALLEN WAY,
CARLSBAD, CALIFORNIA 92008 U.S.A.

(72)Name of Inventor :

1)UPDYKE, TIMOTHY

2)MILLER, JENNIFER

(57) Abstract :

Electrophoretic systems, formulations and methods are described which allow a user to perform electrophoresis experiments under conditions of high voltage and with reduced runtime. An electrophoretic system, formulation or method may be run at 50% higher field strength than comparable systems already in use in the art. The presently described systems and formulations may be run at voltages above 225 V, above 250 V, above 275 V, above 300 V, above 325 V or above 350 V. The time required for performing an electrophoresis experiment may be reduced to less than about 30 minutes, less than about 20 minutes, less than about 15 minutes or less than about 12 minutes.

No. of Pages : 46 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2633/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : NANO SILVER ZINC OXIDE COMPOSITION

(51) International classification	:A01N59/16
(31) Priority Document No	:09168776.4
(32) Priority Date	:27/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061900
Filing Date	:16/08/2010
(87) International Publication No	:WO 2011/023584
	A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)POLYMERS CRC LTD.
Address of Applicant :8 REDWOOD DRIVE, NOTTING
HILL VIC 3168 Australia
(72)**Name of Inventor :**
1)WEISS, THOMAS
2)XALTER, RAINER

(57) Abstract :

A new composite comprises (a) 10.1 -99.9 % by weight of elemental Ag and (b) 0.1-89.9 % by weight of ZnO, wherein the sum of (a) and (b) makes 90 % or more by weight of the composite and wherein the elemental Ag has a primary particle size of 10-200 nm and/or the ZnO has a primary particle size of 0.1 to below 50pm and/or the composite has a particle size distribution of 0.1-50 urn and/or a BET surface area of 10-100 m2/g. The novel composite may be obtained by the steps (i) mixing a first mixture of at least one Ag-salt with a second mixture of at least one Zn-salt thereby forming a third mixture of Ag- and Zn-salts, (ii) adding the third mixture to a mixture of a carbonate source, (iii) co-precipitating of the Ag- and Zn-carbonates formed in step (ii), (iv) washing of the Ag- and Zn-carbonates and (v) thermal decomposing of the Ag- and Zn-carbonates. The novel composites are useful to impart antimicrobial properties to surfaces, articles or bulk compositions, especially to membrane systems for gas- or water separation.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2635/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CONTINUOUS ASYNCHRONOUS AUTOFOCUS OF OPTICAL INSTRUMENTS

(51) International classification	:G02B7/28
(31) Priority Document No	:61/256,242
(32) Priority Date	:29/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053859
Filing Date	:22/10/2010
(87) International Publication No	:WO 2011/059679 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)APPLIED PRECISION, INC.
Address of Applicant :1040 12TH AVE. NW, ISSAQUAH,
WASHINGTON 98027 U.S.A.
(72)**Name of Inventor :**
1)JEREMY COOPER
2)PAUL GOODWIN

(57) Abstract :

Embodiments of the present invention are directed to autofocus subsystems within optical instruments that continuously monitor the focus of the optical instruments and adjust distances within the optical instrument along the optical axis in order to maintain a precise and stable optical-instrument focus at a particular point or surface on, within, or near a sample. Certain embodiments of the present invention operate asynchronously with respect to operation of other components and subsystems of the optical instrument in which they are embedded.

No. of Pages : 56 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2647/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : RUDDER DEVICE

(51) International classification	:B63H25/38
(31) Priority Document No	:0950618-9
(32) Priority Date	:27/08/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050904
Filing Date	:23/08/2010
(87) International Publication No	:WO 2011/025444
	A9
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ROLLS-ROYCE AKTIEBOLAG
Address of Applicant :P.O. BOX 1010, SE-681 29
KRISTINEHAMN Sweden
(72)**Name of Inventor :**
1)FORSSTROM, JAN-OLOV

(57) Abstract :

This invention relates to a rudder device (1) for a sea-going vessel, comprising a first larger rudder portion (2) pivotally mounted around a first axis (4), and a second smaller rudder portion (3) pivotally mounted about a second axis (5) that extends substantially parallel to the first axis (4), wherein said second axis (5) is positioned in front of said first axis (4).

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2666/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONNECTOR ASSEMBLY

(51) International classification	:H01R 13/713
(31) Priority Document No	:2009-252686
(32) Priority Date	:04/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069650
Filing Date	:28/10/2010
(87) International Publication No	:WO 2011/055768
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)YAZAKI CORPORATION

Address of Applicant :4-28, MITA 1-CHOME, MINATO-KU, TOKYO 108-8333 Japan

(72)Name of Inventor :

1)MATSUMOTO, MITSUHIRO

2)KATO, HAJIME

3)NAKAYAMA, KOUICHI

4)MIZUSHIMA, TSUYOSHI

(57) Abstract :

The present invention provides a connector assembly having a small size and preventing a contact between a bolt fastener and a detection member. The connector assembly includes a connector having an inner chamber with an opening and a plurality of connector terminals, a connector receptacle having a plurality of connector receptacle terminals securable together with the connector terminals and a first detection member, and a cover for covering the opening and having a second detection member. When the opening of the inner chamber is covered with the cover, the first detection member and the second detection member are connected together and detect that the cover is covered. The first detection member is disposed between the adjacent connector receptacle terminals. An end surface of the first housings is positioned inwardly of the inner chamber with respect to a surface of a connector electrical contact portion.

No. of Pages : 30 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2684/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CURABLE EPOXY RESIN COMPOSITION

(51) International classification :C08G 59/42
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2009/061038
Filing Date :27/08/2009
(87) International Publication No :WO 2011/023227
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ABB RESEARCH LTD.
Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050
ZURICH Switzerland
(72)Name of Inventor :
1)SINGH, BANDEEP
2)SCHAAL, STEPHANE
3)KORNMANN, XAVIER
4)PURI, PRATEEK

(57) Abstract :

1. A curable epoxy resin composition comprising at least an epoxy resin component and a hardener component, and optionally further additives, characterized in that: (a) said epoxy resin component is a conventional epoxy resin compound or a mixture of such compounds ; (b) said hardener component comprises (b1) an aliphatic and cycloaliphatic or aromatic poly-carbonic acid anhydride, preferably a phthalic acid anhydride; and (b2) a polyether-amine of the general formula (I): $H_2N-(C_nH_{2n-o})_m-C_nH_{2n}-NH_2$ (I) wherein n is an integer from 2 to 8; and m is from about 3 to about 100; wherein (c) the polycarbonic acid anhydride, preferably the phthalic acid anhydride [component (b1)] is present in the curable epoxy resin composition in a concentration of 0.60 Mol to 0.93 Mol, calculated per one epoxy group weight equivalent present in the epoxy resin component of the composition; and (d) the polyether-amine of the general formula (I) [component (b2)] is present in the curable epoxy resin composition in a concentration of about 0.02 Mol to about 0.1 Mol, calculated per one epoxy group weight equivalent present in the epoxy resin component of the composition; and electrical articles comprising an insulation material made therefrom.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2642/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DIAMOND SORTING SYSTEM

(51) International classification	:B07C5/342
(31) Priority Document No	:579884
(32) Priority Date	:22/09/2009
(33) Name of priority country	:New Zealand
(86) International Application No	:PCT/NZ2010/000189
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/037481 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ETERNITY MANUFACTURING LIMITED
Address of Applicant :18TH FLOOR, MELBOURNE
PLAZA, 33 QUEEN'S ROAD, CENTRAL, HONG KONG China
(72)**Name of Inventor :**
1)LO, CHUNG, FAI

(57) Abstract :

A diamond sorting system comprising a diamond source for supplying one or more diamonds to be graded by a vision system having one or more cameras arranged to take one or more images of the diamond, and a processor arranged to receive the image data and execute an algorithm on the data to grade the diamond. The sorting system further comprising a diamond collection unit arranged to receive a graded diamond from the vision system and an electromechanical diamond . transporter arranged to transport a diamond to be graded from the diamond source to the vision system, and further arranged to transport a graded diamond from the vision system to the diamond collection unit.

No. of Pages : 46 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2644/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD OF PCI AND CQI ESTIMATION IN CDMA SYSTEMS

(51) International classification :H04J99/00
(31) Priority Document No :2009904046
(32) Priority Date :25/08/2009
(33) Name of priority country :Australia
(86) International Application No :PCT/JP2010/064317
Filing Date :18/08/2010
(87) International Publication No :WO 2011/024825
A1
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NEC CORPORATION
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU,
TOKYO 108-8001 Japan
(72)**Name of Inventor :**
1)PHAM, DUONG

(57) Abstract :

A method includes: receiving symbols from antenna(s); calculating average-channel estimates of the symbols over a measurement period; forming a channel matrix from the average-channel estimates; calculating a power ratio between a closed-loop mode and an open-loop mode for each PCI using the channel matrix; calculating RSCP value(s) and ISCP value(s) corresponding to the antenna(s); averaging the RSCP value(s) and ISCP value(s) over the antenna(s) to provide averaged RSCP and ISCP; calculating open-loop SINR from the averaged RSCP and ISCP; calculating SINR for stream(s) for each PCI from the power ratio and the open-loop SINR; determining TBS for a single stream from a single-stream-CQI table using calculated SINR; determining TBS for all streams from a dual-stream-CQI table using calculated SINR; comparing the TBS of the single stream and TBS of the dual stream to determine whether to select single stream or dual stream; and determining PCI and CQI for the stream(s).

No. of Pages : 26 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2645/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DEVICE FOR APPLYING HIGH VOLTAGE USING PULSE VOLTAGE AND METHOD OF APPLYING HIGH VOLTAGE

(51) International classification	:H02M7/48
(31) Priority Document No	:2009-265941
(32) Priority Date	:24/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/070906
Filing Date	:24/11/2010
(87) International Publication No	:WO 2011/065370
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SAWAFUJI ELECTRIC CO., LTD.

Address of Applicant :3, NITTAHAYAKAWA-CHO, OTA-SHI, GUNMA Japan

(72)Name of Inventor :

1)MIURA, TOMONORI

(57) Abstract :

A device for applying a high voltage using a pulse voltage is provided which applies a high voltage having a pulse width to to a capacitive load (1) through a pulse transformer (4), the high voltage having pulse-like peaks with a steep leading edge, wherein a capacitance C1 of the capacitive load (1) and a secondary side leakage inductance L1 of the pulse transformer (4) satisfy the equation: $L_i = (x_o/7t)2 \times (1/C1)$. This enables enlargement of the pulse-like peaks and application of any pulse repetition frequency when the high voltage having the pulse-like peaks is applied to the capacitive load through the pulse transformer.

No. of Pages : 23 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2646/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : RFID TAG MONITORING SYSTEM

(51) International classification	:G06K17/00
(31) Priority Document No	:61/244,951
(32) Priority Date	:23/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047478
Filing Date	:01/09/2010
(87) International Publication No	:WO 2011/037736 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)WISTRON NEWEB CORPORATION
Address of Applicant :20 PARK AVENUE II, HSINCHU
SCIENCE PARK, HSINCHU 308 Taiwan
2)DJB GROUP LLC
(72)**Name of Inventor :**
1)BURNSIDE, WALTER, D.
2)CHENG, KAI-HONG
3)HO, YUMIN, SHANE

(57) Abstract :

An RFID tag monitoring system with multiple reader units each equipped with processing capacity sufficient to enable the unit to operate autonomously under its own command and control as well as to register in its individual memory the identity of all of the items that potentially could be present at any particular time at a zone or zones to which it is assigned as well as the particular zone at which a specific RFID tagged item is found; data compression at the reader units permits timely reporting of inventory to a main computer.

No. of Pages : 25 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2690/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HIGH STRENGTH AND HIGH TOUGHNESS CAST STEEL MATERIAL AND METHOD FOR PRODUCING THE SAME

(51) International classification	:C22C 38/00
(31) Priority Document No	:2009-220750
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066602
Filing Date	:24/09/2010
(87) International Publication No	:WO 2011/037210
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)THE JAPAN STEEL WORKS, LTD.

Address of Applicant :11-1, OSAKI 1-CHOME,
SHINAGAWA-KU, TOKYO 141-0032 Japan

(72)Name of Inventor :

1)GOTOH, YOSHIHIRO

2)TANAKA, SHINJI

3)AZUMA, TSUKASA

(57) Abstract :

An object of the present invention is to make it possible to secure high strength and high toughness without carrying out a production method which requires rapid cooling such as liquid immersion even in large-sized cast steel materials. The high strength and high toughness cast steel material of the invention has a composition comprising 0.10 to 0.20% by mass of C, 0.10 to 0.50% by mass of Si, 0.40 to 1.20% by mass of Mn, 2.0 0 to 3.00% by mass of Ni, 0.20 to 0.70% by mass of Cr, and 0.10 to 0.50% by mass of Mo, and further comprising Fe and unavoidable impurities. The high strength and high toughness cast steel material of the invention is produced by subjecting an ingot having the above composition to annealing at 1,000 to 1,100°C, quenching at 850 to 950°C, tempering at 610 to 670°C, and then, if desired, stress-relief annealing at less than 610°C.

No. of Pages : 43 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2685/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : UPPER VEHICLE BODY STRUCTURE OF AUTOMOBILE

(51) International classification	:B62D 25/06
(31) Priority Document No	:2009-195537
(32) Priority Date	:26/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/061035
Filing Date	:29/06/2010
(87) International Publication No	:WO 2011/024552
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)HONDA MOTOR CO., LTD.
Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
MINATO-KU, TOKYO, 107-8556 Japan
(72)**Name of Inventor :**
1)SHONO, HIDEKAZU

(57) Abstract :

Disclosed is an upper vehicle body structure (20) having a groove (31) between an outside panel (28) and a roof panel (24). The upper end of a center pillar stiffener (34) overlaps with a roof side stiffener (41). The roof side stiffener (41) is joined to a roof arch (23) at the groove (31). The upper end of a center pillar reinforcing member (33) inside the center pillar stiffener (34) is joined to an end (25b) of a corner gusset (25) at a position below the grooves (31), the other end (25a) of the corner gusset being connected to the roof arch (23). With this, concentration of impact load to the corner gusset (25) can be avoided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2697/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DEVICE FOR DEGASSING MOLTEN STEEL WITH AN IMPROVED OUTLET NOZZLE

(51) International classification :C21C 7/10
(31) Priority Document No :10 2009 039 260.2
(32) Priority Date :28/08/2009
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2010/005124
Filing Date :20/08/2010
(87) International Publication No :WO 2011/023337
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SMS SIEMAG AKTIENGESELLSCHAFT
Address of Applicant :EDUARD-SCHOLEMANN-STRASSE
4, 40237 DUSSELDORF Germany
(72)Name of Inventor :
1)ODENTHAL, HANS-JURGEN
2)TEMBERGEN, DIETER
3)

(57) Abstract :

The present invention relates to a device for degassing molten steel, comprising an evacuation vessel (2), a pouring ladle (3), an inlet nozzle (4) with a gas purging device (5) arranged therein, and a discharge nozzle (1), wherein at its lower edge (9), in a radial direction in relation to the central longitudinal axis (6) of the discharge nozzle (1), the discharge nozzle (1) has at least one bore (7).

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2698/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ATTENUATOR FOR A VEHICLE BRAKING SYSTEM

(51) International classification :B60T 8/1755
(31) Priority Document No :61/236,232
(32) Priority Date :24/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/045159
Filing Date :11/08/2010
(87) International Publication No :WO 2011/028376 A3
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)KELSEY-HAYES COMPANY.
Address of Applicant :12025 TECH CENTER DRIVE,
LIVONIA, MICHIGAN 48150 U.S.A.
(72)**Name of Inventor :**
1)ZEOLI, JOSEPH, F.
2)GANZEL, BLAISE
3)WALD, THOMAS
4)SWARICH, RICHARD, A.
5)GIRKIN, ROBERT, I.
6)STARR, JOSEPH, A.
7)LOPEZ-LAREQUI, DAVID

(57) Abstract :

A vehicle braking system includes a slip control system operable in an electronic stability control (ESC) mode to automatically and selectively apply the brakes in an attempt to stabilize the vehicle when an instability condition has been sensed. The slip control system is further operable in an adaptive cruise control (ACC) mode to automatically apply the brakes to slow the vehicle in response to a control signal. The slip control system includes a variable speed motor drive piston pump for supplying pressurized fluid pressure to the brakes through a valve arrangement. In the ESC mode, the pump motor operates in an ESC speed range, and in the ACC mode, the pump motor operates in an ACC speed range lower than the ESC speed range. The slip control system further includes an attenuator connected to a pump outlet for dampening pump output pressure pulses prior to application to the brakes. The attenuator includes an elastomeric member located in an attenuator chamber of a housing. The attenuator chamber defines a shoulder and the elastomeric member includes a flange which rests on the shoulder and locates the elastomeric member in a predetermined axial position within the attenuator chamber. An outside wall of the elastomeric member includes circumferentially extending grooves defining ribs between adjacent grooves.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2718/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONVEYING DEVICE FOR PRODUCING ENERGY

(51) International classification	:F03B9/00
(31) Priority Document No	:1534/09
(32) Priority Date	:05/10/2009
(33) Name of priority country	:Switzerland
(86) International Application No	:PCT/CH2010/000236
Filing Date	:30/09/2010
(87) International Publication No	:WO 2011/041918 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)WRH WALTER REIST HOLDING AG
Address of Applicant :ARENENBERGSTRASSE 6, CH-8272
ERMATINGEN Switzerland
(72)**Name of Inventor :**
1)REIST, WALTER

(57) Abstract :

The invention relates to a conveying device for producing energy, comprising a circulating conveying member (10.) of containers. (11), which have a load strand and a return strand, the conveying device being equipped in such a way that the conveying device slides or rolls downward by means of the load strand on a inclined plane having an angle (alpha), wherein the load strand moves the return strand, and a device for drawing power (5) arranged on the conveying member and being moved by the circulating conveying member (10), said device comprising a means (3) for removing energy from the device (5). The method for operating the device is characterized in that, while the conveying member (10) is circulating, the first container (11) running into the load strand (in the area of arrow A) is loaded with a burdening good and said good is discharged shortly before exiting the load strand (at arrow B) . Said good can be liquid or a solid bulk material. The angle of the inclined plane, the length of the load strand, the filling degree of the containers, or the combination of two or all three possibilities can be selected depending on the power demand.

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2639/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SEPARATING AGENT FOR OPTICAL ISOMERS

(51) International classification :G01N30/88
(31) Priority Document No :2009-195248
(32) Priority Date :26/08/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/064074
Filing Date :20/08/2010
(87) International Publication No :WO 2011/024718
A1
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DAICEL CORPORATION
Address of Applicant :4-5, UMEDA 3-CHOME, KITA-KU,
OSAKA-SHI, OSAKA-530-0001 Japan
2)NATIONAL UNIVERSITY CORPORATION NAGOYA
UNIVERSITY
(72)Name of Inventor :
1)YASHIMA, EIJI
2)TAMURA, KAZUMI
3)MIYABE, TOSHITAKA

(57) Abstract :

To provide a novel separating agent for optical isomers based on a polymer having an optically active moiety, provided is a separating agent for optical isomers formed of: a helical polymer obtained by using an aromatic isonitrile as a monomer having an amide group in which an optically active amino acid is amide-bonded to an aromatic ring; and a carrier for carrying the helical polymer by being chemically bonded to an end of the helical polymer.

No. of Pages : 42 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2686/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WEB CONVEYANCE METHOD AND APPARATUS USING SAME

(51) International classification :B65H 27/00
(31) Priority Document No :61/245,335
(32) Priority Date :24/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/050277
Filing Date :24/09/2010
(87) International Publication No :WO 2011/038279 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :3M CENTER, POST OFFICE BOX
33427, SAINT PAUL MINNESOTA 55133-3427 U.S.A.
(72)**Name of Inventor :**
1)TAIT, BRUCE, E.
2)NEWHOUSE, KEVIN, B.
3)CLARK, JOHN, C.

(57) Abstract :

A method for conveying a web using an engagement cover comprising resilient looped pile engagement surface. Also, web conveying roller having an engagement cover thereon.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2689/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HERMETIC COMPRESSOR AND REFRIGERATION CYCLE EQUIPMENT USING THE SAME

(51) International classification	:F04C 29/00
(31) Priority Document No	:2009-220755
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066039
Filing Date	:16/09/2010
(87) International Publication No	:WO 2011/037062
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)TOSHIBA CARRIER CORPORATION
Address of Applicant :23-17, TAKANAWA 3-CHOME,
MINATO-KU, TOKYO-108-0074 Japan
(72)**Name of Inventor :**
1)TAKASHIMA, KAZU
2)MIURA, KAZUHIKO

(57) Abstract :

A closed compressor provided for achieving a wobbling suppressing effect of a rotating shaft by a bearing frame portion and improving a reliability thereof by preventing a bearing frame portion from being deformed due to a gas load includes a bearing member provided between the one end in the axial direction of the closed container and the electric motor and includes a bearing portion pivotally supporting the rotating shaft and a bearing frame portion holding the bearing portion, and the bearing frame portion includes a high rigidity portion and a low rigidity portion in a circumferential direction and the bearing frame portion is arranged in the closed container such that a direction in which a load acting on the bearing portion becomes maximum coincides with a direction in which rigidity of the bearing frame portion is high.

No. of Pages : 43 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2695/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD OF COMPRESSION MOLDING A PLASTIC CLOSURE FROM FOAMED POLYMERIC MATERIAL

(51) International classification	:B29C 44/38
(31) Priority Document No	:61/237,752
(32) Priority Date	:28/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/046909
Filing Date	:27/08/2009
(87) International Publication No	:WO 2011/025916 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CLOSURE SYSTEMS INTERNATIONAL, INC.

Address of Applicant :1205 EAST ELMORE STREET,
CRAWFORDSVILLE, IN 47933 U.S.A.

(72)Name of Inventor :

1)MORTON, HUGH

2)SMEYAK, LAWRENCE, M.

3)ABNEY, LINDSEY

4)HUGHES, BRANDON

5)KRESGE, EDWARD

6)ERSPAMER, JOHN

7)BASHYAM, NAVANEETH

8)PRISTERA, JEFFREY, M.

(57) Abstract :

A method of compression molding a plastic article, such as a closure, includes providing a molten polymeric material, comprising a mixture of at least one molten polymer and a gas blended therein. The polymeric material is molded between cooperating male and female molds, with relative movement of the molds controlled to form a mold cavity with a predetermined volume. Formation in this manner acts to produce a molded closure with substantially reduced density, thus achieving desired material savings, while still providing a closure or like article exhibiting desired performance characteristics.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2696/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR MAKING ENGAGEMENT COVER FOR ROLLERS FOR WEB CONVEYANCE APPARATUS

(51) International classification	:B65H 27/00
(31) Priority Document No	:61/245,335
(32) Priority Date	:24/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050286
Filing Date	:24/09/2010
(87) International Publication No	:WO 2011/038284 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :3M CENTER, POST OFFICE BOX
33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.
(72)**Name of Inventor :**
1)NEW HOUSE, KEVIN, B.
2)TAIT, BRUCE, E.
3)CLARK, JOHN, C.

(57) Abstract :

A method of making an engagement cover for rollers for use in web conveying, the method comprising: (a) providing a knit fabric comprising a woven base layer having first and second faces and a resilient looped pile protruding from the first face; (b) applying an elastomeric coating composition to the looped pile; and (c) curing the coating composition to leave a deposit of elastomeric polymer on the looped pile to yield the engagement cover.

No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2716/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONTAINER AND SYSTEM FOR PROCESSING BANK NOTES

(51) International classification	:G07D9/00
(31) Priority Document No	:10 2009 042 891.7
(32) Priority Date	:24/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/063927
Filing Date	:21/09/2010
(87) International Publication No	:WO 2011/036157
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GIESECKE & DEVRIENT GMBH
Address of Applicant :PRINZREGENTENSTRASSE 159,
81677 MUNCHEN Germany
(72)**Name of Inventor :**
1)DEMMELE, ERWIN

(57) Abstract :

The present invention relates to a container and a system for processing bank notes present as separate units. A container for processing bank notes, present particularly as separate units, thereby has a housing open on one side for receiving bank notes standing on the longitudinal edges the re of, wherein the container can be subdivided by means of partitioning elements, and the partitioning elements comprise recesses open toward the intermediate spaces formed between the same.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2710/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : 2,5-FURAN DICARBOXYLATE DERIVATIVES, AND USE THEREOF AS PLASTICIZERS

(51) International classification :C07D 307/68
(31) Priority Document No :10 2009 028 975.5
(32) Priority Date :28/08/2009
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2010/061941
Filing Date :17/08/2010
(87) International Publication No :WO 2011/023590
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)EVONIK OXENO GMBH
Address of Applicant :PAUL-BAUMANN-STRASSE 1,
45772 MARL Germany
(72)Name of Inventor :
1)GRASS, MICHAEL
2)BECKER, HINNERK GORDON

(57) Abstract :

The invention relates to mixtures of isononyl furan-2,5-dicarboxylate of formula (I), methods for producing said mixtures of isononyl furan-2,5-dicarboxylate of formula (I), uses of the mixtures of isononyl furan-2,5-dicarboxylate of formula (I) as plasticizers, and uses of the aforementioned compositions containing isononyl furan-2,5-dicarboxylate of formula (I).

No. of Pages : 48 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2724/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : VALVE DEVICE FOR AN AIR SUSPENSION SYSTEM

(51) International classification :B60G17/052
(31) Priority Document No :10 2009 060 559.2
(32) Priority Date :23/12/2009
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2010/006087
Filing Date :06/10/2010
(87) International Publication No :WO 2011/076303
A8
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)WABCO GMBH

Address of Applicant :AM LINDENER HAFEN 21, 30453
HANNOVER Germany

(72)Name of Inventor :

1)BUCZYLKO, PIOTR

2)HLADIK, MARCIN

3)SCHONEBERG, MARKUS

4)SIEKER, ARMIN

5)STENDER, AXEL

6)SZYSZKA, KRZYSZTOF

7)TRAMBAUER, ALEXANDER

8)WAKULSKI, PAWEL

9)WEIHE, ULRICH

(57) Abstract :

The invention relates to a valve device for an air suspension system in a vehicle. The valve device has increased operating convenience. For this purpose, there is provision whereby: (a) the valve device (6) has at least one cushion connection (14, 15) connectable to a pneumatic spring cushion (3) of the air suspension system, a reserve connection (18) connectable to a compressed-air reserve, and a venting connection (12) connectable to the atmosphere, (b) the valve device (6) has an electrical actuation arrangement (7, 8, 21, 22) and a manual actuation element (9), (c) the valve device (6) has a pneumatically actuatable working valve arrangement (27, 28, 29), as a result of the actuation of which the cushion connection (14, 15) can be selectively connected to the reserve connection (18) or to the venting connection (12) or shut off, (d) the working valve arrangement (27, 28, 29) can be actuated pneumatically both by the electrical actuation arrangement (7, 8, 21, 22) and by a pneumatic valve arrangement (23, 24, 25, 26) actuatable via the manual actuation element (9), (e) the working valve arrangement (27, 28, 29) has on the cushion connection side a holding valve (28) and on the reserve connection side a raising/lowering valve (27) connected pneumatically in series to the holding valve (28), by the actuation of the raising/lowering valve (27) the holding valve (28) being connectable selectively to the reserve connection (18) or to the venting connection (12), and by the actuation of the holding valve (28) a compressed-air path between the cushion connection (15) and the raising/lowering valve (27) being capable selectively of being shut off or of being switched to passage. The invention relates, moreover, to an electronic control device for controlling an air suspension system in a vehicle by means of such a valve device.

No. of Pages : 51 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2725/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONVERTER CELL MODULE, VOLTAGE SOURCE CONVERTER SYSTEM COMPRISING SUCH A MODULE AND A METHOD FOR CONTROLLING SUCH A SYSTEM

(51) International classification :H02M1/32

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/061155

Filing Date :28/08/2009

(87) International Publication No :WO 2011/023237

A1

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)ABB TECHNOLOGY AG

Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050
ZURICH Switzerland

(72)Name of Inventor :

1)HOSINI, FALAH

2)SVENSSON, JAN

3)HASLER, JEAN-PHILIPPE

(57) Abstract :

The invention relates to a converter cell module and a voltage source converter system comprising such a module. The converter cell module comprises at least two switching elements, means for energy storage and an autotransformer. The auto-transformer is arranged to bypass the converter cell module in the case of failure occurring in the converter cell module.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2729/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : A METHOD OF FAULT PHASE SELECTION AND FAULT TYPE DETERMINATION

(51) International classification :H02H3/34
(31) Priority Document No :09460038.4
(32) Priority Date :31/08/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/004970
Filing Date :06/08/2010
(87) International Publication No :WO 2011/023305
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ABB RESEARCH LTD.
Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050
ZURICH Switzerland
(72)Name of Inventor :
1)BALCEREK, PRZEMYSŁAW
2)FULCZYK, MAREK
3)ROSOŁOWSKI, EUGENIUSZ
4)IZYKOWSKI, JAN
5)SAHA, MURARI
6)PIERZ, PIOTR

(57) Abstract :

The present invention is concerned with a method for faulted phase selection and fault type determination in electric power lines applicable both to series compensated and uncompensated power lines, fit for use in the power industry for overhead and overhead-cable transmission or distribution lines. The method comprising a fault inception detection and an estimation of fault phase current signals, pre-fault current signals and zero-sequence current in order to receive the absolute value of incremental current signals (UB, IBC, ICA) and their maximum value (lmax) from which real value indicators for phase to phase faults {SA,SB,SC }, real value indicators for 3-phase fault (S3A,S3B,S3C) and a real value indicator for ground fault (SG) are determined, the inventive method further comprises the following steps: - calculating the maximum of the value of all fault type indicators (Fw) according to the formula: $F_{max} = \max((FJ_{fit}))$, where the index (fit) is an integer number from 1 to 10 and means one specific type of all type faults, - determination of the fault type as one of the indicator (Fw) having the maximal value, which at the same time determines the fault type on the base that the index (fit) means the type of fault, where if: Jit = 1 then there is a phase A to ground G fault, Jit = 2 then there is a phase B to ground G fault, fit =3 then there is a phase C to ground G fault, fit = 4 then there is a phase A to phase B fault, Jit = 5 then there is a phase B to phase C fault, Jit = 6 then there is a phase C to phase A fault, Jit = 7 then there is a phase A to phase B and to ground G fault, fit = 8 then there is a phase B to phase C and to ground G fault, Jit = 9 then there is a phase C to phase A and to ground G fault, Jit = 10 then there is a phase A to phase B to phase C fault, - presentation the of real fault type indicator {Fmax) in the protective relay (2) or in the means connected to the protective relay.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2730/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL AMIDES AND THIOAMIDES AS PESTICIDES

(51) International classification :C07D401/04

(31) Priority Document No :09172736.2

(32) Priority Date :12/10/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/065104

Filing Date :08/10/2010

(87) International Publication No :WO 2011/045240

A1

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)BAYER CROPSCIENCE AG

Address of Applicant :ALFRED-NOBEL-STRASSE 50,
40789 MONHEIM Germany

(72)Name of Inventor :

1)BRETSCHNEIDER, THOMAS

2)VOERSTE, ARND

3)FUSSLEIN, MARTIN

4)KOHLER, ADELINE

5)GORGENS, ULRICH

(57) Abstract :

The present application relates to novel amides and thioamides, to processes for preparation thereof and to use thereof for controlling animal pests, in particular arthropods and especially insects.

No. of Pages : 68 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2731/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPACT AUTOMATED CELL COUNTER

(51) International classification :G06K9/00
(31) Priority Document No :61/238,534
(32) Priority Date :31/08/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047143
Filing Date :30/08/2010
(87) International Publication No :WO 2011/026029 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)BIO-RAD LABORATORIES, INC.

Address of Applicant :1000 ALFRED NOBEL DRIVE,
HERCULES, CALIFORNIA 94547 U.S.A.

(72)Name of Inventor :

1)MCCOLLUM, TOM

2)PATT, PAUL

3)SHEN, FRANK

4)CHU, DANIEL, Y.

5)FLORY, DON

6)GRIFFIN, MIKE

7)HENG, XIN

8)HEFNER, ELI

(57) Abstract :

Biological cells in a liquid suspension are counted in an automated cell counter that focuses an image of the suspension on a digital imaging sensor that contains at least 4,000,000 pixels each having an area of 2 x 2 μm or less and that images a field of view of at least 3 mm². The sensor enables the counter to compress the optical components into an optical path of less than 20 cm in height when arranged vertically with no changes in direction of the optical path as a whole, and the entire instrument has a footprint of less than 300 cm². Activation of the light source, automated focusing of the sensor image, and digital cell counting are all initiated by the simple insertion of the sample holder into the instrument. The suspension is placed in a sample chamber in the form of a slide that is shaped to ensure proper orientation of the slide in the cell counter.

No. of Pages : 21 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2733/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROCESS FOR THE PURIFICATION OF CRUDE ALKALINE GLYCEROL

(51) International classification :C07C29/94
(31) Priority Document No :EP09171811.4
(32) Priority Date :30/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2010/002464
Filing Date :29/09/2010
(87) International Publication No :WO 2011/039611
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)RHODIA POLIAMIDA E ESPECIALIDADES LTDA
Address of Applicant :AV. MARIA COELHO AGUIAR, 215,
BLOCO B-1, ANDAR, PARTE 1-JARDIM SAO LUIZ SAO
PAULO-SP Brazil
(72)Name of Inventor :
1)LOURENCO, WAGNER, CELIO, FERRAZ
2)MACRET, RICHARD
3)CIELO, JOSE, EDUARDO

(57) Abstract :

The present invention generally concerns a treatment process for crude alkaline glycerol obtained as a by-product of transesterification reaction of natural oils and fats with lower alcohols. The present invention particularly concerns the treatment of crude alkaline glycerol obtained as a by-product of the biodiesel production from vegetable oils and animal fats using organic alkyl carboxylic acids or their aqueous solution, comprising the steps of (a) acidification of the crude alkaline glycerol stock to pH in the range of about 4 to about 6, particularly 4 to 5, with organic alkyl carboxylic acids, in the presence of water in the range from about 5% to about 50%, particularly 15 to 30%, in weight with respect to the weight of the crude alkaline glycerol stock; (b) separating the formed free fatty acids, for instance by flotation; (c) removing the alcohol present in the acidified crude glycerol stock, for instance by distillation; (d) separating the acidic glycerol.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2735/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DOUBLED BALANCED MIXER WITH IMPROVED COMPONENT MATCHING

(51) International classification :H03D7/14
(31) Priority Document No :12/580,998
(32) Priority Date :16/10/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/052966
Filing Date :15/10/2010
(87) International Publication No :WO 2011/047354 A1
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)QUALCOMM INCORPORATED
Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.
(72)Name of Inventor :
1)CHENG-HAN WANG

(57) Abstract :

An improved passive double balanced mixer with reduced capacitor voltage mismatch is described. A passive double balanced mixer includes two sets of mixer circuits, each comprised of switches. Each switch is separately divided into a first portion and a second portion of unequal number of fingers. A first and second LO AC coupling capacitors associated with a given switch are coupled at one end to an LO signal. The outputs of the first LO AC coupling capacitors are coupled to the first portion of the first switch and the second portion of the second switch, respectively, while the outputs of the second LO AC coupling capacitors are coupled to the second portion of the first switch and the first portion of the second switch, respectively. In one embodiment, the unequal number of fingers is defined by an n-1 and an n+1 number of fingers, respectively. In an alternate embodiment, the mixer is an ADB mixer with a transconductance amplifier and two sets of mixer circuits as above.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2673/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPLEXITY SCALABLE PERCEPTUAL TEMPO ESTIMATION

(51) International classification	:G10H 1/40
(31) Priority Document No	:61/256,528
(32) Priority Date	:30/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/066151
Filing Date	:26/10/2010
(87) International Publication No	:WO 2011/051279
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)DOLBY INTERNATIONAL AB

Address of Applicant :APOLLO BUILDING 3E
HERIKERBERGWEG 1-35 NL-1101 CN AMSTERDAM ZUID-
OOST Netherlands

(72)Name of Inventor :

1)BISWAS, ARIJIT

2)HOLLOSI, DANILO

3)SCHUG, MICHAEL

(57) Abstract :

The present document relates to methods and systems for estimating the tempo of a media signal, such as audio or combined video/audio signal. In particular, the document relates to the estimation of tempo perceived by human listeners, as well as to methods and systems for tempo estimation at scalable computational complexity. A method and system for extracting tempo information of an audio signal from an encoded bit-stream of the audio signal comprising spectral band replication data is described. The method comprises the steps of determining a payload quantity associated with the amount of spectral band replication data comprised in the encoded bit-stream for a time interval of the audio signal; repeating the determining step for successive time intervals of the encoded bit- stream of the audio signal, thereby determining a sequence of payload quantities; identifying a periodicity in the sequence of payload quantities; and extracting tempo information of the audio signal from the identified periodicity.

No. of Pages : 74 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2740/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITIONS OF DIBROMOMALONAMIDE AND THEIR USE AS BIOCIDES

(51) International classification :A01N37/30

(31) Priority Document No :61/246,186

(32) Priority Date :28/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050345

Filing Date :27/09/2010

(87) International Publication No :WO 2011/038319 A3

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.

(72)Name of Inventor :

1)YIN, BEI

2)SINGLETON, FREDDIE, L.

(57) Abstract :

A biocidal composition comprising 2,2-dibromomalonamide and an aldehyde-based biocidal compound, and its use for the control of microorganisms in aqueous and water-containing systems.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2743/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : FRONT LOAD TRANSFER DEVICE

(51) International classification	:A01B63/11
(31) Priority Document No	:579283
(32) Priority Date	:26/08/2009
(33) Name of priority country	:New Zealand
(86) International Application No	:PCT/NZ2010/000167
Filing Date	:26/08/2010
(87) International Publication No	:WO 2011/025392 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SINGH, KALVIN JIT

Address of Applicant :105 OLD TE KUITI ROAD, RD 6,
OTOROHANGA-3976 New Zealand

(72)Name of Inventor :

1)SINGH, KALVIN JIT

(57) Abstract :

The present invention relates to an apparatus for transferring load between: a) a towing vehicle having front and rear wheels which comprises a tow assembly including a tow bar; and b) a towed device which includes a drawbar; wherein the tow bar and drawbar attach to one another and wherein the apparatus includes a shock absorber; characterised in that the apparatus includes a load transfer mechanism configured for adjustably transferring at least a portion of the load of the towed implement to the front of the vehicle in a region leading the front wheel axle via the shock absorber.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2012

(21) Application No.2744/CHENP/2012 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : ORGANOPHOSPHORUS COMPOUNDS BASED ON TETRAPHENOL (TP)-SUBSTITUTED STRUCTURES

(51) International classification	:C07D213/30
(31) Priority Document No	:10 2009 029 050.8
(32) Priority Date	:31/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/062466
Filing Date	:26/08/2010
(87) International Publication No	:WO 2011/023756
	A4
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)EVONIK OXENO GMBH

Address of Applicant :PAUL-BAUMANN-STRASSE 1,
45772 MARL Germany

(72)Name of Inventor :

1)CHRISTIANSEN, ANDREA

2)FRANKE, ROBERT

3)FRIDAG, DIRK

4)HESS, DIETER

5)KREIDLER, BURKARD

6)VOGT, DIETER

7)BINI, LAURA

8)JANSSEN, MICHELE

9)HAMERS, BART

(57) Abstract :

The invention relates to the synthesis of tetraphenol-substituted structures, especially of meta-substituted xylenes. These tetraphenol-type structures are converted into organic phosphorus compounds, especially organophosphites. The invention further provides for the production of catalytically active compositions which, in addition to the aforementioned organic phosphorus compounds, include transition metals. In a further aspect of the invention, these catalytically active compositions are used in chemical reactions with small molecules, for example HCN, CO, hydrogen and amines.

No. of Pages : 47 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2745/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITIONS OF DIBROMOMALONAMIDE AND THEIR USE AS BIOCIDES

(51) International classification :A01N43/80

(31) Priority Document No :61/246,184

(32) Priority Date :28/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050341

Filing Date :27/09/2010

(87) International Publication No :WO 2011/038316 A3

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.

2)ROHM AND HAAS COMPANY

(72)Name of Inventor :

1)SINGLETON, FREDDIE, L.

2)YIN, BEI

3)WARWICK, EILEEN, F.

(57) Abstract :

A biocidal composition comprising 2, 2-dibromomalonamide and an isothiazolinone-based biocide, and its use for the control of microorganisms in aqueous and water-containing systems.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2746/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING APPARATUS CONTROL METHOD AND PROGRAM

(51) International classification	:G06F3/048
(31) Priority Document No	:2009-200062
(32) Priority Date	:31/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/059455
Filing Date	:03/06/2010
(87) International Publication No	:WO 2011/024531
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC CORPORATION
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU, TOKYO 108-8001 Japan
(72)**Name of Inventor :**
1)MITSUHASHI, AKITAKE

(57) Abstract :

An information processing apparatus of the present invention generates a whole image by executing a predetermined application; acquires operation time at which a user performs an operation for inputting information; if the whole image has changed, acquires a rectangular area including an area where the change has occurred in the whole image as a change area and acquires the change time at which the whole image has changed; if the difference between the operation time and the change time is equal to or below a predetermined value, acquires the change area as an operation area where the user is inputting information; and generates an operation-area-attached image by acquiring a rectangular area to be displayed on the screen of the information processing apparatus in the whole image as a reference area and by combining the operation area with the reference area.

No. of Pages : 34 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2719/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ELECTROMAGNETIC UNLOCKING DEVICE AND VALVE DEVICE

(51) International classification	:F16K11/16	(71)Name of Applicant :
(31) Priority Document No	:10 2010 010 659.3	1)WABCO GMBH
(32) Priority Date	:09/03/2010	Address of Applicant :AM LINDENER HAFEN 21, 30453
(33) Name of priority country	:Germany	HANNOVER Germany
(86) International Application No	:PCT/EP2010/007350	(72)Name of Inventor :
Filing Date	:03/12/2010	1)SIEKER, ARMIN
(87) International Publication No	:WO 2011/110205	2)TRAMBAUER, ALEXANDER
	A8	
(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 an electromagnetically unlockable device having a locking unit (6) and a first component (3) which can be moved with respect to the locking unit (6), having the following features: a) the locking unit (6) has a locking element (5) which is in engagement with the first component (3) in order to secure the first component, b) the locking element (5) can be adjusted, by-activating an electromagnet arrangement (21, 22, 25, 26, 27), from the position (28) which secures the first component (3) into a position (29) which releases the securement, c) the electromagnet arrangement (21, 22, 25, 26, 27) has at least one armature (21) and at least one core element (22), d) a distance (24) which defines an electromagnet stroke (A) is formed between the core element (22) and the armature (21) when the electromagnet arrangement (21, 22, 25, 26, 27) is not activated, and e) the stroke (B) which is executed by the locking element (5) from the position (28) which secures the first component (3) into the position (29) which releases the securement is larger than the electromagnet stroke (A). The invention also relates to a valve device for an air suspension system in a vehicle, in which valve device an electromagnetically unlockable device is used.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2750/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : RECORDING MATERIAL USING PHENOLIC COMPOUND

(51) International classification	:B41M5/333
(31) Priority Document No	:2009-224094
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005788
Filing Date	:27/09/2010
(87) International Publication No	:WO 2011/039987
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NIPPON SODA CO., LTD.

Address of Applicant :2-1, OHTEMACHI 2-CHOME,
CHIYODA-KU, TOKYO 100-8165 Japan

(72)Name of Inventor :

1)SAKAI, HIROSHI

2)AIHARA, TOSHIO

3)KODAMA, SATOSHI

4)KINOSHITA, SHUNTARO

5)JYUJYO, KAZUMI

6)KONDO, TADAHIRO

(57) Abstract :

An object of the present invention is to provide a recording material or a recording sheet that is excellent in background and image stabilities and further excellent in color-developing sensitivity. The recording material of the present invention contains a color-forming compound, an additive, and at least one compound represented by formula (I) [wherein R1 and R4 each independently represent a C1-C6 alkyl group or the like; p represents 0 or any integer of 1 to 4; q represents 0 or any integer of 1 to 5; when p and q represents 2 or more, each of R1 and each of R4 are the same or different; R2 and R3 each independently represent a hydrogen atom or the like; R5 represents a hydrogen atom or the like; and the bond represented by the wavy line represents E, Z, or a mixture thereof].

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2751/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : POSITIVE ELECTRODE MIXTURE, POSITIVE ELECTRODE, AND NONAQUEOUS ELECTROLYTE SECONDARY BATTERY

(51) International classification	:H01M4/1391
(31) Priority Document No	:2009-222134
(32) Priority Date	:28/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066586
Filing Date	:24/09/2010
(87) International Publication No	:WO 2011/037201
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SUMITOMO CHEMICAL COMPANY, LIMITED
Address of Applicant :27-1, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8260 Japan
(72)**Name of Inventor :**
1)YAMAGUCHI, TAKITARO
2)KAGEURA, JUN-ICHI

(57) Abstract :

Disclosed are: a positive electrode mixture which provides a nonaqueous electrolyte secondary battery that is capable of exhibiting high output at high current rate; and a positive electrode. Specifically disclosed is a positive electrode mixture which contains a positive electrode active material powder, a conductive agent, a binder and a solvent. The positive electrode active material powder is composed of particles having an average particle diameter of 0.05-1 μm (inclusive) and has a tap density of 0.8-3.0 g/cm³. The amount of the conductive agent relative to 100 parts by weight of the positive electrode active material powder is 0.5-20 parts by weight; the amount of the binder relative to 100 parts by weight of the positive electrode active material powder is 0.5-10 parts by weight; and the amount of the solvent relative to 100 parts by weight of the positive electrode active material powder is 10-120 parts by weight. The positive electrode mixture has a viscosity of 1,000-25,000 mPa-s. Also specifically disclosed is a positive electrode which is obtained by applying the positive electrode mixture to a collector and drying the positive electrode mixture thereon.

No. of Pages : 48 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2720/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : WINDOW SHADE DEVICE FOR VEHICLES

(51) International classification	:B60J3/00
(31) Priority Document No	:2009-296842
(32) Priority Date	:28/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/072536
Filing Date	:15/12/2010
(87) International Publication No	:WO 2011/081019
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ASHIMORI INDUSTRY CO., LTD.

Address of Applicant :10-18, KITAHORIE 3-CHOME,
NISHI-KU, OSAKA-SHI, OSAKA 5500014 Japan

(72)Name of Inventor :

1)OJIMA, SHINYA

(57) Abstract :

Provided is a window shade device for vehicles that covers a window of a vehicle for allowing the window to be shielded and opened. The window shade device for vehicles includes a horizontally shielding window shade, a windup device winding up this, a guide and support mechanism supporting a horizontally shielding movable member so as to move along a guide path, and an arm supported by the horizontally shielding movable member so as to change a position thereof between a first position and a second position. The arm is connected to a drawing-direction side edge of the horizontally shielding window shade. A first gear is provided to the arm, and a second gear is provided to a drawing-direction side end of the guide path by the guide and support mechanism. In the middle of the process where the horizontally shielding movable member is being directed toward the drawing direction side, the first gear and the second gear mesh with each other, and accordingly the position of the arm is changed from the first position to the second position.

No. of Pages : 42 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2755/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR PRODUCING 1,1,3-TRICHLORO-1-PROPENE

(51) International classification	:C07C17/25
(31) Priority Document No	:2009-199763
(32) Priority Date	:31/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065082
Filing Date	:27/08/2010
(87) International Publication No	:WO 2011/025063
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SUMITOMO CHEMICAL COMPANY, LIMITED
Address of Applicant :27-1, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8260 Japan
(72)**Name of Inventor :**
1)SOUDA, HIROSHI
2)HAGIYA, KOJI

(57) Abstract :

A production method of 1, 1, 3-trichloro-l-propene comprising the following steps A and B; Step A: 1,1,1,3-tetrachloropropane is dehydrochlorinated at a temperature between 30°C and 50°C in the presence of at least one base selected from the group consisting of alkali metal hydroxides and alkaline earth metal hydroxides, and a phase transfer catalyst, Step B: 3, 3, 3-trichloro-l-propene obtained in the step A is isomerized into 1, 1, 3-trichloro-l-propene in the presence of a metal catalyst.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2757/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITIONS OF DIBROMOMALONAMIDE AND THEIR USE AS BIOCIDES

(51) International classification :A01N37/30

(31) Priority Document No :61/246,187

(32) Priority Date :28/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050344

Filing Date :27/09/2010

(87) International Publication No :WO 2011/038318 A3

(61) Patent of Addition to Application :NA

Number :NA

Filing Date

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.

(72)Name of Inventor :

1)YIN, BEI

2)SINGLETON, FREDDIE, L.

(57) Abstract :

A biocidal composition comprising 2,2-dibromomalonamide and a surface active biocide, and its use for the control of microorganisms in aqueous and water-containing systems.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2758/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ASSISTING VEHICLE NAVIGATION IN SITUATIONS OF POSSIBLE OBSCURED VIEW

(51) International classification	:G06F19/00
(31) Priority Document No	:201336
(32) Priority Date	:01/10/2009
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IB2010/054137
Filing Date	:14/09/2010
(87) International Publication No	:WO 2011/039666
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)RAFAEL ADVANCED DEFENSE SYSTEMS LTD.
Address of Applicant :P.O. BOX 2250, HAIFA 31021 Israel
(72)**Name of Inventor :**
1)SHADMI, OFIR

(57) Abstract :

Restrictions of conventional techniques for assisting navigation of a vertical takeoff and landing vehicle, in circumstances where there is a possibility of the view being obscured, can be overcome by using a three-dimensional model in combination with image processing to determine which segments of a landing zone are visible and which segments are obscured. A pilot is provided with a view of the landing zone that is a combination of live images and simulated segments from the three-dimensional model. Whereas conventional techniques focus on generating better - simulated views, an implementation of this invention includes generating a view of an obscured landing zone that includes live imagery. Fusing live imagery with other sensor information to generate a view allows the pilot to use as much real information as possible, and facilitates increased pilot confidence that the pilot can proceed and execute a successful landing.

No. of Pages : 31 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2759/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ELECTRICALLY CONDUCTIVE PASTE, ELECTRODE FOR SEMICONDUCTOR DEVICE, SEMICONDUCTOR DEVICE AND METHOD FOR PRODUCING SEMICONDUCTOR DEVICE

(51) International classification	:H01B1/22	(71)Name of Applicant :
(31) Priority Document No	:2009-200189	1)SHARP KABUSHIKI KAISHA
(32) Priority Date	:31/08/2009	Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,
(33) Name of priority country	:Japan	OSAKA-SHI, OSAKA 545-8522 Japan
(86) International Application No	:PCT/JP2010/062525	(72)Name of Inventor :
Filing Date	:26/07/2010	1)TANAKA, SATOSHI
(87) International Publication No	:WO 2011/024587	2)YAMAMOTO, SHINYA
	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are an electrically conductive paste (7) containing an electrically conductive powder including electrically conductive particles (21), wherein the electrically conductive particles (21) each have a basic material (21a), and an electrically conductive layer (21b) covering at least one portion of the outer surface of the basic material (21a); an electrode (71, 72, 81, 82), for a semiconductor device, formed by use of the paste; a semiconductor device (10, 35); and a method for producing the semiconductor device (10, 35) by use of the paste.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2752/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LOCKING COVER FOR A VESSEL HAVING A NECK, INCLUDING A CAP HAVING ATTACHMENT TABS

(51) International classification	:B65D51/00
(31) Priority Document No	:09/56836
(32) Priority Date	:01/10/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/062413
Filing Date	:25/08/2010
(87) International Publication No	:WO 2011/039004
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)A. RAYMOND ET CIE
Address of Applicant :115, COURS BERRIAT, F-38000
GRENOBLE France
(72)**Name of Inventor :**
1)BELLE, GUILLAUME

(57) Abstract :

The invention relates to a locking cover (1), made of a molded plastic material, for a vessel having a neck, intended for locking a plug (4) in the neck (3) of the vessel (2), including a wire-cap (6) which surrounds the plug and the neck, a ring (7) which is attached around the wire-cap (6) and shaped so as to have a central opening (17) providing access from the outside of the cover (1) to the inside of the vessel via the plug, and a cap (23) attached to the ring and shaped so as to close said opening (17) The cap (23) comprises attachment tabs (25) which are spaced apart from each other along the annular periphery of the opening (17) of the ring (7) and which are clamped between the ring (7) and the wire-cap (6).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2753/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : NOVEL MACROCYCLIC INHIBITORS OF HEPATITIS C VIRUS REPLICATION

(51) International classification :C07D487/04

(31) Priority Document No :61/246,465

(32) Priority Date :28/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050284

Filing Date :24/09/2010

(87) International Publication No :WO 2011/038283 A1

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)F. HOFFMANN LA ROCHE LTD

Address of Applicant :BLDG. 675/4. OG, 124
GRENZACHERSTRASSE, CH-4070 BASEL Switzerland

(72)Name of Inventor :

1)SEIWERT, SCOTT, D.

2)NICHOLAS, JOHN, B.

3)BUCKMAN, BRAD

4)SEREBRYANY, VLADIMIR

(57) Abstract :

The embodiments provide compounds of the general Formula I, as well as compositions, including pharmaceutical compositions, comprising a subject compound. The embodiments further provide treatment methods, including methods of treating a hepatitis C virus infection and methods of treating liver fibrosis, the methods generally involving administering to an individual in need thereof an effective amount of a subject compound or composition.

No. of Pages : 96 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2763/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PRODUCTION OF AMMONIA MAKE-UP SYNGAS WITH CRYOGENIC PURIFICATION

(51) International classification :C01B3/02
(31) Priority Document No :09169289.7
(32) Priority Date :02/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/062417
Filing Date :25/08/2010
(87) International Publication No :WO 2011/026771
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)AMMONIA CASALE S.A.
Address of Applicant :VIA GIULIO POCOBELLI 6, CH-6900
LUGANO-BESSO Switzerland
(72)Name of Inventor :
1)FILIPPI, ERMANNO
2)SKINNER, GEOFFREY FREDERICK

(57) Abstract :

A process and a related equipment for making ammonia make-up synthesis gas are disclosed, where: a hydrocarbon feedstock is reformed obtaining a raw ammonia make-up syngas stream; said raw syngas is purified in a cryogenic purification section refrigerated by a nitrogen-rich stream produced in an air separation unit; the nitrogen-rich stream at output of said cryogenic section is further used for adjusting the hydrogen/nitrogen ratio of the purified make-up syngas; an oxygen-rich stream is also produced in said air separation unit and is fed to the reforming section.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2790/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : ALKOXYLATED POLYMERS

(51) International classification	:C08F 265/00
(31) Priority Document No	:61/246,992
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/064388
Filing Date	:29/09/2010
(87) International Publication No	:WO 2011/039200
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056, LUDWIGSHAFEN Germany

(72)Name of Inventor :

1)KUNST, ANDREAS

2)FREIDANK, DANIEL

3)VILLALOBOS, MARCO A.

(57) Abstract :

A process for the preparation of alkoxyated polymers comprising the steps (i) preparation of a polymeric product (I) having at least one functional group by radical copoly-merization in a high temperature polymerization process and (ii) contacting the polymeric product (I) having at least one functional group obtained in step (i) with at least one alkylene oxide; an alkoxyated polymer obtainable by the process of the present invention; a process for preparing polyurethanes by reaction of the alkoxyated polymer according to the present invention; polyurethane prepared by the process of the present invention; surface active reagents comprising or consisting of the alkoxyated polymer according to the present invention as well as detergent formulations comprising at least one alkoxyated polymer according to the present invention.

No. of Pages : 35 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2791/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MUTLIMODE FIBER HAVING IMPROVED REACH

(51) International classification :G02B 6/028
(31) Priority Document No :61/239,229
(32) Priority Date :02/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047681
Filing Date :02/09/2010
(87) International Publication No :WO 2011/028907 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PANDUIT CORP
Address of Applicant :18900 PANDUIT DRIVE, TINLEY
PARK, IL 60487 U.S.A.
(72)**Name of Inventor :**
1)PIMPINELLA, RICHARD, J
2)TUDURY, GASTON E.

(57) Abstract :

A means of improving the performance of laser optimized multimode fiber optic cable (MMF) to achieve improved optical margin and channel reach for use in high-speed data communication networks is described. The disclosed method can be used to improve the performance of both OM3 and OM4 grades of MMF.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2736/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : AMPLIFIER BIAS TECHNIQUES

(51) International classification	:H03F1/30
(31) Priority Document No	:12/580,979
(32) Priority Date	:16/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052964
Filing Date	:15/10/2010
(87) International Publication No	:WO 2011/047352 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)QUALCOMM INCORPORATED

Address of Applicant :INTERNATIONAL IP
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
DIEGO, CALIFORNIA 92121-1714 U.S.A.

(72)Name of Inventor :

1)VIJAYAKUMAR DHANASEKARAN

(57) Abstract :

Techniques for generating a bias voltage for a class AB amplifier having first and second active transistors. In an exemplary embodiment, a diode-coupled first transistor supports a first current, and the gate voltage of the first transistor is coupled to the gate voltage of the first active transistor. The first current is split into a second current and a first auxiliary current supported by a second transistor, which is biased at a desired common-mode output voltage of the class AB amplifier. The first auxiliary current is further combined with a third current to be supported by a third transistor, with the third transistor configured to replicate the characteristic of the second active transistor. Further techniques are provided for setting the drain voltage of the third transistor to be close to the common-mode output voltage. The techniques described herein may be used to provide a bias voltage for the NMOS and/or PMOS active transistors in a class AB amplifier.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2737/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PHENOLIC COMPOUND AND RECORDING MATERIAL

(51) International classification :C07C317/22
(31) Priority Document No :2009-227277
(32) Priority Date :30/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/005813
Filing Date :28/09/2010
(87) International Publication No :WO 2011/039994
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NIPPON SODA CO., LTD.
Address of Applicant :2-1, OHTEMACHI 2-CHOME,
CHIYODA-KU, TOKYO 100-8165 Japan
(72)Name of Inventor :
1)AIHARA, TOSHIO
2)SAKAI, HIROSHI
3)KINOSHITA, SHUNTARO
4)KODAMA, SATOSHI
5)KONDO, TADAHIRO
6)JYUJYO, KAZUMI

(57) Abstract :

An object of the present invention is to provide a recording material that is excellent in color-developing properties and background and image stabilities, and a compound used therein. The present invention relates to a compound represented by the formula (I) [wherein R11 to R14 each independently represent a halogen atom or the like; n, p, q, and r each independently represent 0 or any integer of 1 to 4; m represents 0 or any integer of 1 to 2; a represents any integer of 1 to 10; R2 represents a hydrogen atom or the like; R3 represents an OR51 group or the like; and R41 and R42 each independently represent a hydrogen atom or the like], a composition containing the compound, a method for producing the compound, a recording material containing at least one compound represented by the formula (I), and a recording sheet having the recording material.

No. of Pages : 100 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2738/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : TRANSDUCER CARTRIDGE FOR AN ULTRASOUND THERAPY HEAD

(51) International classification :A61B8/14
(31) Priority Document No :61/246,937
(32) Priority Date :29/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/050271
Filing Date :24/09/2010
(87) International Publication No :WO 2011/041237 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LIPOSONIX, INC.
Address of Applicant :11818 NORTH CREEK PARKWAY
NORTH, BOTHELL, WASHINGTON-98011 U.S.A.

(72)**Name of Inventor :**
1)WING, GREGORY T.
2)CRUNKILTON, JEFFREY R.
3)BOCKENSTEDT, CRAIG R.
4)BENNETT, FREDERICK J.

(57) Abstract :

A medical ultrasound system. A base unit is included having system electronics, a user interface and ultrasound control electronics. An ultrasound therapy head in electronic communication with the base unit. The therapy head includes a replaceable, sealed transducer cartridge with a coupling fluid therein. A cooling system is provided for cooling the coupling fluid. A plurality of guide indicators are positioned around the therapy head to align with crossed lines on a patient so as to properly align the therapy head prior to use. The therapy head can provide variable treatments to an area while the therapy head is in contact with a patient.

No. of Pages : 153 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2796/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CONCENTRATING SOLAR MIRROR PANEL ASSEMBLY WITH CORRUGATED STIFFENER

(51) International classification :F24J 2/22
(31) Priority Document No :61/239,265
(32) Priority Date :02/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047431
Filing Date :01/09/2010
(87) International Publication No :WO 2011/028742 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)3M INNOVATIVE PROPERTIES COMPANY
Address of Applicant :3M CENTER, POST OFFICE BOX
33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.

(72)**Name of Inventor :**
1)MOLNAR, ATTILA
2)HART, DUANE M.
3)COSGROVE, DYLAN T.
4)SIMONS, SCOTT E.

(57) Abstract :

A concentrating solar mirror panel assembly having a reflective sheet with a reflective major surface and an opposing major surface and a corrugated stiffener having ridges and troughs each having an outer surface with land areas, wherein the land areas of at least a portion of the ridges are joined to at least a portion of the opposing major surface of the reflective sheet. The concentrating solar mirror panel assembly is non-planar and substantially rigid. The concentrating solar mirror panel assembly is assembled such that a desired non-planar shape is maintained: either using a locking sheet or having the corrugated stiffener attached so that its principal axes of corrugation are substantially perpendicular to the axis of curvature of the assembly. Methods of making the concentrating solar mirror panel assembly are also disclosed. Concentrated solar power systems and solar collection devices are also disclosed.

No. of Pages : 41 No. of Claims : 18

(54) Title of the invention : A WINDING FOR A CONTACT OF A MEDIUM-VOLTAGE VACUUM CIRCUIT-BREAKER WITH IMPROVED ARC EXTINCTION, AND AN ASSOCIATED CIRCUIT- BREAKER AND VACUUM CIRCUIT-BREAKER, SUCH AS AN AC GENERATOR DISCONNECTOR CIRCUIT-BREAKER

(51) International classification	:H01H 33/66
(31) Priority Document No	:0956744
(32) Priority Date	:29/09/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/064233
Filing Date	:27/09/2010
(87) International Publication No	:WO 2011/039133
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SCHNEIDER ELECTRIC ENERGY FRANCEAddress of Applicant :35 RUE JOSEPH MOUNIER, RUEIL
MALMAISON-92500 France

(72)Name of Inventor :

1)KANTAS, SAID

(57) Abstract :

The invention provides a new design for a winding (8) based on a material of low electrical resistance, such as copper, and of diameter typically-greater than 90 mm, intended to generate a magnetic field in an electrical contact (2, 3) for a medium voltage vacuum circuit-breaker (1) , the winding consisting of a hollow cylinder (8) including helical slots (81) that are empty of material, arranged in parallel around its longitudinal axis, and that open out both to the hollow and to the outside of the cylinder. In the invention, the angular length of each helical slot is equal to at least 360°. The invention makes it possible to increase the level of the axial magnetic field (AMF) obtained by the winding(s) incorporated into an electrical contact of a vacuum circuit-breaker while improving uniformity, symmetry of the field, and production cost.

No. of Pages : 39 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2794/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DIETHYLZINC COMPOSITION, METHOD FOR HEAT STABILIZATION, AND COMPOUND FOR HEAT STABILIZATION

(51) International classification	:C07F 3/06
(31) Priority Document No	:2009-202294
(32) Priority Date	:02/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005379
Filing Date	:01/09/2010
(87) International Publication No	:WO 2011/027549
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)TOSOH FINECHEM CORPORATION
Address of Applicant :4555 BANCHI, KAISEI-CHO,
SHUNAN-SHI, YAMAGUCHI-746-0006 Japan
(72)**Name of Inventor :**
1)HAGA, KENICHI
2)TOMIYASU, SHIZUO
3)TOKUDOME, KONICHI

(57) Abstract :

[Summary] [Object] To improve heat stability of diethylzinc which is used for a catalyst of polymerizing, an organic synthetic reaction reagent and a raw materials for providing a zinc film by MOCVD. And to offer the diethylzinc composition being superior in heat stability, even if it handles for a long term a metal zinc particle does not precipitate. [Solving Means] Use a diethylzinc composition added a compound which is added an aromatic compound as an additive which has isopropenyl group bonded as a side chain.

No. of Pages : 59 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2795/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD OF AUTHENTICATION AT TIME OF UPDATE OF SOFTWARE EMBEDDED IN INFORMATION TERMINAL, SYSTEM FOR SAME AND PROGRAM FOR SAME

(51) International classification	:G06F 21/22
(31) Priority Document No	:2009-254920
(32) Priority Date	:06/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069605
Filing Date	:04/11/2010
(87) International Publication No	:WO 2011/055748
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NEC INFRONTIA CORPORATION

Address of Applicant :2-6-1, KITAMIKATA, TAKATSU-KU, KAWASAKI-SHI, KANAGAWA-213-0005 Japan

(72)Name of Inventor :

1)HIRABAYASHI, YASUSHI

(57) Abstract :

A load on a server or a network is suppressed at a minimum, the authentication server is not necessary, and download of falsified software is prevented. A server creates a time-limited authentication key, computes a hash value of a file included in update software for each file to create a hash table in which hash values of a file are listed, and encrypts the hash table using the authentication key. A unit obtains the encrypted hash table and the authentication key from a server. An information terminal obtains the encrypted hash table from the unit, obtains the authentication key from the unit, determines whether or not a time limit of the authentication key is valid, obtains the encrypted hash table from the server if the time limit is determined to be valid as a result of the determination, decrypts the tables using the authentication key, compares the tables after decryption, and initiates download of the update software if both the tables are identical to each other.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2799/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR TREATING A PLASTIC PART, METHOD FOR MANUFACTURING A DRUG DELIVERY DEVICE AND DRUG DELIVERY DEVICE

(51) International classification	:B29C 71/02
(31) Priority Document No	:09171770.2
(32) Priority Date	:30/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064431
Filing Date	:29/09/2010
(87) International Publication No	:WO 2011/039238
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SANOFI-AVENTIS DEUTSCHLAND GMBH
Address of Applicant :BRUNINGSTRASSE 50, D-65929
FRANKFURT AM MAIN Germany
(72)**Name of Inventor :**
1)HAMM, GERMAN, F.
2)RAAB, STEFFEN
3)STAUDER, UDO

(57) Abstract :

Method for treating a plastic part (1), which comprises a surface, comprising the steps: A) irradiating at least a part of the surface with a treatment radiation (10) to obtain a modified surface area (4), the modified surface area being capable of absorbing a heating radiation (20) to an extent greater than the unmodified surface area (5), and B) irradiating the modified surface area (4) with the heating radiation (20) at least in a section so that the plastic part (1) is heated and softened in a region defined by the irradiated section of the modified surface area (4).

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2801/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DRIVE MECHANISM FOR A DRUG DELIVERY DEVICE

(51) International classification :A61M 5/315
(31) Priority Document No :09171765.2
(32) Priority Date :30/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/064425
Filing Date :29/09/2010
(87) International Publication No :WO 2011/039232
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SANOFI-AVENTIS DEUTSCHLAND GMBH
Address of Applicant :BRUNINGSTRASSE 50, D-65929
FRANKFURT AM MAIN Germany
(72)Name of Inventor :
1)VEASEY, ROBERT
2)PLUMPTRE, DAVID
3)JONES, CHRISTOPHER
4)KOUYOU MJIAN, GAREN
5)MACDONALD, CATHERINE ANNE

(57) Abstract :

A lead screw (5) with a screw thread (6) is arranged in a body (1) along an axis (4) and coupled to a lead screw nut (7) with a drive feature (8), so that the lead screw is helically rotatable in the lead screw nut. The lead screw and the lead screw nut are provided with stop features (9) interfering with a rotation of the lead screw in the lead screw nut when a force is applied to the lead screw in an axial direction. The lead screw nut has a surface area facing a guide feature (10) of the body. This surface area has a slope (12) varying around the axis. The assembly interacts such that the lead screw nut rotates in one rotational direction when a force is applied to the lead screw in the axial direction.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2803/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : BISPECIFIC DEATH RECEPTOR AGONISTIC ANTIBODIES

(51) International classification :C07K 16/28
(31) Priority Document No :09171659.7
(32) Priority Date :29/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/064209
Filing Date :27/09/2010
(87) International Publication No :WO 2011/039126
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1) ROCHE GLYCART AG
Address of Applicant :WAGISTRASSE 18, CH-8952
SCHLIEREN Switzerland
(72)Name of Inventor :
1) BRUENKER, PETER
2) FERRARA KOLLER, CLAUDIA
3) GRAU, SANDRA
4) HERTER, SYLVIA
5) LAMPERT, CHRISTOPH
6) MOESSNER, EKKEHARD
7) UMANA, PABLO
8) WALDHAUER, INJA

(57) Abstract :

The present invention relates to bispecific antibodies comprising a first antigen binding site specific for a death receptor and a second antigen binding site specific for a second antigen, methods for their production, pharmaceutical compositions containing said antibodies, and uses thereof.

No. of Pages : 96 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2808/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : POLYMER COMPOSITIONS

(51) International classification :C08J 3/02
(31) Priority Document No :61/275,726
(32) Priority Date :01/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/002426
Filing Date :01/09/2010
(87) International Publication No :WO 2011/028286 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)RHODIA OPERATIONS
Address of Applicant :40, RUE DE LA HAIE COQ, F-93300
AUBERVILLIERS France
(72)**Name of Inventor :**
1)WU, DAN
2)SHANMUGANANDAMURTHY, KRISHNAMURTHY
3)GOYAL, RAJESH

(57) Abstract :

A composition contains an incompletely hydrated water soluble polymer suspended in a liquid medium.

No. of Pages : 79 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2809/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DYE SENSITISED SOLAR CELL

(51) International classification	:H01L 51/00
(31) Priority Document No	:09169444.8
(32) Priority Date	:04/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/062567
Filing Date	:27/08/2010
(87) International Publication No	:WO 2011/026797
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056, LUDWIGSHAFEN Germany

(72)Name of Inventor :

1)TANABE, JUNICHI

2)YAMAMOTO, HIROSHI

3)NAKAMICHI, SHINJI

4)TAKAHASHI, RYUICHI

(57) Abstract :

The present invention pertains to an electrode layer comprising a porous film made of oxide semiconductor fine particles sensitized with certain methin dyes. Moreover the present invention pertains to a photoelectric conversion device comprising said electrode layer, a dye sensitized solar cell comprising said photoelectric conversion device and to novel methin dyes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2810/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SPRAYABLE HYDRAULIC BINDER COMPOSITION AND METHOD OF USE

(51) International classification :C04B 28/04

(31) Priority Document No :09169299.6

(32) Priority Date :02/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/062671

Filing Date :31/08/2010

(87) International Publication No :WO 2011/026825

A2

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)CONSTRUCTION RESEARCH & TECHNOLOGY
GMBH**

Address of Applicant :DR.-ALBERT-FRANK-STR. 32,
83308 TROSTBERG Germany

(72)Name of Inventor :

1)NICOLEAU, LUC

2)ALFONSO, MONTSERRAT

3)KOLOMIETS, ELENA

(57) Abstract :

Process for the preparation of a sprayable hydraulic binder composition containing as main components water, aggregates, hydraulic binder, set accelerator, characterized in, that a calcium silicate hydrate (C-S-H) containing component is added before and/or at the spray nozzle.

No. of Pages : 41 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2811/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : IMAGE DISPLAY DEVICE AND IMAGE DISPLAY METHOD

(51) International classification :G09G 3/36
(31) Priority Document No :2009-205435
(32) Priority Date :07/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/057836
Filing Date :07/05/2010
(87) International Publication No :WO 2011/027592
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SHARP KABUSHIKI KAISHA
Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,
OSAKA-SHI, OSAKA 545-8522 Japan
(72)Name of Inventor :
1)HASHIMOTO, KATSUTERU
2)GOHSHI, SEIICHI
3)OTOI, KATSUYA
4)FUJIWARA, KOHJI

(57) Abstract :

In an image display device which performs area-active drive, low power consumption is achieved while suppressing occurrence of insufficient luminance in any regions where high-tone display is to be provided. A regional maximum detection section (151) detects an areal maximum pixel luminance (regional maximum) (34) on the basis of an input image. A regional mean calculation section (152) calculates an areal mean pixel luminance (regional mean) (35) on the basis of the input image. A data comparison section (153) compares a control determination threshold (36) retained in a control determination threshold storage section (155) with the regional maximum (34) for each area, and outputs a comparison result for that area. An LED output value calculation section (154) sets a value corresponding to the regional maximum (34) as an LED output value for each area with the regional maximum (34) greater than the control determination threshold (36), and sets a value corresponding to the regional mean (35) as an LED output value for each area with the regional maximum (34) less than or equal to the control determination threshold (36).

No. of Pages : 80 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2812/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD FOR PRODUCING BRIQUETTES, METHOD FOR PRODUCING REDUCED METAL, AND METHOD FOR SEPARATING ZINC OR LEAD

(51) International classification	:C22B 1/243
(31) Priority Document No	:2009-225053
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066606
Filing Date	:24/09/2010
(87) International Publication No	:WO 2011/040344
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)

Address of Applicant :10-26, WAKINOHAMA-CHO 2-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan

(72)Name of Inventor :

1)HARADA, TAKAO

2)MICHISHITA, HARUYASU

3)MIYAKAWA, YUTAKA

4)FUJI, KOJIRO

5)MIZUTANI, NORIAKI

(57) Abstract :

Disclosed is a method for producing briquettes, by which briquettes having enhanced strength can be produced even when the amount of a binder used there for is reduced as much as possible. Specifically disclosed is a method for producing briquettes, which comprises: a step of forming a primary granular material having an apparent density of 1,000 to 4,000 kg/m³ using a powder of metal oxides including iron oxide and one or more oxides selected from among of zinc oxide, lead oxide, and titanium oxide,- and a step of forming a secondary granular material by compressing a plurality of primary granular materials, while having the primary granular materials contain one or more metal oxides selected from among the zinc oxide, lead oxide, and titanium oxide.

No. of Pages : 53 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2012

(21) Application No.2814/CHENP/2012 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : DRUG DELIVERY DEVICE

(51) International classification :A61M 5/315

(31) Priority Document No :09171732.2

(32) Priority Date :30/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/064392

Filing Date :29/09/2010

(87) International Publication No :WO 2011/039203

A3

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SANOFI-AVENTIS DEUTSCHLAND GMBH

Address of Applicant :BRUNINGSTRASSE 50, D-65929
FRANKFURT AM MAIN Germany

(72)Name of Inventor :

1)PLUMPTRE, DAVID

2)LINDSAY, ADREW MARK

3)MACDONALD, CATHERINE ANNE

4)VEASEY, ROBERT

5)JONES, CHRISTOPHER

6)KOUYOU MJIAN, GAREN

(57) Abstract :

A drug delivery device (4) for dispensing one or more doses of a drug is provided. The device (4) comprises a drive member (1) for driving a piston rod (5) and a dose member (46) for actuating the drive member (1). The piston rod (5) is coupled to the drive member (1) such that a relative translational movement of the drive member (1) and the piston rod (5) is allowed and a relative rotational movement is prevented. The drive member (1) is configured to be driven by the dose member (46) around the longitudinal axis in a first (110) and a second rotational direction (111) opposite to each other. Furthermore, a drug delivery device (4) is provided, wherein the drive member (1) has stable and unstable states and wherein in an unstable state the drive member (1) is biased by biasing means (3) towards a stable state.

No. of Pages : 70 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2821/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR RESERVOIR MODELING AND SIMULATION

(51) International classification :G06F 7/48
(31) Priority Document No :61/260,589
(32) Priority Date :12/11/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/043462
Filing Date :28/07/2010
(87) International Publication No :WO 2011/059535 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)EXXONMOBIL UPSTREAM RESEARCH COMPANY
Address of Applicant :P.O. BOX 2189, CORP-URC-SW359
HOUSTON, TX 77252-2189 U.S.A.
(72)**Name of Inventor :**
1)LARISA BRANETS
2)ELEAN KARTASHEVA
3)IGOR KRASNOGOROV
4)VALERY KUBYAK
5)XIAO-HUI WU

(57) Abstract :

A method and apparatus for generating a simulation grid for a reservoir model based on a geological model comprising horizons, constraints and multiple geological grid cells. A pre-image is generated corresponding to the geological grid cells, the pre-image comprising a surface and the modeling constraints being mapped onto the surface. A constrained two- dimensional grid is generated on the pre-image, the two-dimensional grid comprising multiple grid cells. Simulation layer boundaries are selected from the geological model and the constrained two-dimensional grid is projected onto the simulation layer boundaries. Prismatic cells are then generated to form the three-dimensional simulation grid. The method of generating a grid as herein described may be incorporated in existing reservoir simulators to improve their accuracy.

No. of Pages : 34 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2830/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : CAGE, ROLLING BEARING, MACHINE TOOL, AND METHOD OF MANUFACTURING CAGE

(51) International classification	:F16C33/44
(31) Priority Document No	:2009-224874
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065820
Filing Date	:14/09/2010
(87) International Publication No	:WO 2011/040230
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NTN CORPORATION
Address of Applicant :3-17, KYOMACHIBORI 1-CHOME,
NISHI-KU, OSAKA-SHI, OSAKA 5500003 Japan
(72)**Name of Inventor :**
1)FUJIWARA, HIROKI
2)SHIMAZU, EIICHIROU
3)MORI, MASATSUGU
4)ISHII, TETSUTO

(57) Abstract :

A cage (14) consists of a magnesium alloy part. This magnesium alloy part is injection-molded using a mold (60) which is provided with a cavity section (61) having a shape that corresponds to the shape of the cage (14). The magnesium alloy part has a shape such that it is necessary to perform forced removal from the mold (60). Due to the above, it is possible to obtain the cage (14), which consists of a magnesium alloy part having high strength and which has a shape such that it is necessary to perform forced removal from the mold (60); an anti-friction bearing provided with the cage (14); a machine tool provided with the anti-friction bearing; and a method of manufacturing the cage (14)

No. of Pages : 47 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2760/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPUTER SYSTEM AND MIGRATION METHOD OF VIRTUAL MACHINE

(51) International classification	:G06F15/00
(31) Priority Document No	:2009-222857
(32) Priority Date	:28/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066444
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/037148
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC CORPORATION
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU,
TOKYO 108-8001 Japan
(72)**Name of Inventor :**
1)ASHIHARA, KOJI
2)YAMATO, JUNICHI

(57) Abstract :

A computer system of the present invention is provided with an open flow controller 3, and a switch 4i. The switch 4i notifies a MAC address contained in packet data to the open flow controller 3 when the packet data from the virtual machine that the migration has completed does not fit with a rule shown by the flow set to the switch itself. The open flow controller 3 sets a communication flow for a migration destination VM generated according to the notified MAC address to the switch 4i. The switch 4i transfers the packet data for said virtual machine which follows a rule 444 shown by the communication flow for said migration destination VM, to the migration destination virtual machine based on an action 445 shown by the communication flow for said migration destination VM.

No. of Pages : 87 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2836/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : POSITIONING SYSTEM

(51) International classification	:G01S1/00
(31) Priority Document No	:09275088.4
(32) Priority Date	:30/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/063299
Filing Date	:10/09/2010
(87) International Publication No	:WO 2011/039042
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ASTRIUM LIMITED

Address of Applicant :GUNNELS WOOD ROAD,
STEVENAGE, HERTFORDSHIRE SG1 2AS U.K.

(72)Name of Inventor :

1)RUSSELL GAVIN MORRISON

2)ALASDAIR WARD HELLIWELL

3)DAVID CHARLES LANCASHIRE

4)CHARLES STEPHEN DIXON

(57) Abstract :

A positioning system (1) comprising one or more transmitters configured to transmit transmissions including positioning data, wherein the system is configured to synchronise the transmission with a reference time. The transmissions are formed using a repeating pseudorandom number (PRN) code comprising a plurality of chips. The system (1) is configured to determine a timing bias (44;54) between the first transmission and the reference time. The system (1) is configured to change the number of chips in one or more of said transmissions such that the timing bias of a subsequent pseudorandom number (PRN) code is reduced.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2842/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F1/08
(31) Priority Document No :2010-083853
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057563
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125582
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)**Name of Inventor :**
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)HOSHINO, TOSHINOBU
7)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of densely sintering the entirety of the magnet without making a gap between a main phase and a grain boundary phase in the sintered magnet. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of $M-(OR)_x$ (M represents Dy or Tb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, desiccated magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius. Thereafter, the powdery calcined body calcined through the calcination process in hydrogen is held for several hours in vacuum atmosphere at 200 through 600 degrees Celsius for a dehydrogenation process. Thereafter, through powder compaction and sintering process, the powdery calcined body is formed into a permanent magnet.

No. of Pages : 59 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2843/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : MULTISTEP FINAL FILTRATION

(51) International classification	:C07K16/06
(31) Priority Document No	:09012460.3
(32) Priority Date	:01/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064487
Filing Date	:29/09/2010
(87) International Publication No	:WO 2011/039274
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

Address of Applicant :124 GRENZACHERSTRASSE, CH-4070 BASEL Switzerland

(72)Name of Inventor :

1)FALKENSTEIN, ROBERTO

2)SCHWENDNER, KLAUS

(57) Abstract :

Herein is reported a method for the final filtration of concentrated polypeptide solutions comprising the combination of two immediately consecutive filtration steps with a first filter of 3.0 µm and 0.8 µm pore size and a second filter of 0.45 µm and 0.22 µm pore size.

No. of Pages : 34 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2844/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : LEAD-FREE SOLDER ALLOY, CONNECTING MEMBER AND A METHOD FOR ITS MANUFACTURE, AND ELECTRONIC PART

(51) International classification :B23K35/26
(31) Priority Document No :2009-204189
(32) Priority Date :04/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/065018
Filing Date :02/09/2010
(87) International Publication No :WO 2011/027820
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SENJU METAL INDUSTRY CO., LTD.
Address of Applicant :23, SENJU-HASHIDO-CHO,
ADACHI-KU, TOKYO 120-8555 Japan
(72)Name of Inventor :
1)YOSHIKAWA, SHUNSAKU
2)YAMANAKA, YOSHIE
3)OHNISHI, TSUKASA
4)ISHIBASHI, SEIKO
5)WATANABE, KOJI
6)ISHIKAWA, HIROKI
7)CHIBA, YUTAKA

(57) Abstract :

A lead-free solder which can reduce the occurrence of voids and a connecting member which uses the solder and has excellent adhesion, bonding strength, and workability are provided. The lead-free solder alloy has a composition consisting essentially of Sn: 0.1 - 3 % and/or Bi: 0.1 - 2 %, and a remainder of In and unavoidable impurities and has the effect of suppressing the occurrence of voids at the time of soldering. The connecting member is prepared by melting the lead-free solder alloy, immersing a metal substrate in the melt, and applying ultrasonic vibrations to the molten lead-free solder alloy and the metal substrate to form a lead-free solder alloy layer on the surface of the metal substrate. A heat sink and a package are soldered to each other through this connecting member by reflow heating in the presence of flux.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2747/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : COMPOSITIONS OF DIBROMOMALONAMIDE AND THEIR USE AS BIOCIDES

(51) International classification :A01N37/30

(31) Priority Document No :61/246,190

(32) Priority Date :28/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050348

Filing Date :27/09/2010

(87) International Publication No :WO 2011/038320 A3

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.

(72)Name of Inventor :

1)YIN, BEI

2)SINGLETON, FREDDIE, L.

(57) Abstract :

A biocidal composition comprising 2,2-dibromomalonamide and sodium ortho- phenylphenol, and its use for the control of microorganisms in aqueous and water-containing systems.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2748/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : GASTRIC RETENTIVE PHARMACEUTICAL COMPOSITIONS FOR IMMEDIATE AND EXTENDED RELEASE OF ACETAMINOPHEN

(51) International classification	:A61K47/38
(31) Priority Document No	:61/238,374
(32) Priority Date	:31/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047369
Filing Date	:31/08/2010
(87) International Publication No	:WO 2011/026125 A2
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)DEPOMED, INC.

Address of Applicant :1360 O'BRIEN DRIVE, MENLO PARK, CALIFORNIA-94025 U.S.A.

(72)Name of Inventor :

1)HOU, SUI YUEN, EDDIE

2)VARGAS, THADD

(57) Abstract :

Gastric retentive dosage forms for extended release of acetaminophen or for both immediate and extended release of acetaminophen are described. The dosage forms allow effective pain relief upon once- or twice-daily dosing. Methods of treatment using the dosage forms and methods of making the dosage forms are also described.

No. of Pages : 53 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2848/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : HIGH-FLUID POLYAMIDES

(51) International classification	:C08G69/36
(31) Priority Document No	:0956789
(32) Priority Date	:30/09/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/064355
Filing Date	:28/09/2010
(87) International Publication No	:WO 2011/039183
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)RHODIA OPERATIONS
Address of Applicant :40, RUE DE LA HAIE COQ, F-93306
AUBERVILLIERS France
(72)**Name of Inventor :**
1)SPERONI, FRANCO
2)ZAHER, DAMIEN

(57) Abstract :

The invention relates to a polyamide modified with a multi-functional compound, and to a method for producing said polyamide and compositions comprising same. More Specifically, the invention relates to a method for the production of a polyamide comprising linear macromolecular chains and star-shaped macromolecular chains. The resulting polyamide has optimal mechanical and rheological properties in order to (i) improve mould filling speed and quality, and (ii) produce mouldable compositions with high filler contents.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2850/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD OF DEMOLISHING FURNACE OF MULTILAYERED-REFRACTORY STRUCTURE

(51) International classification :F27D1/16
(31) Priority Document No :2009-202502
(32) Priority Date :02/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/060802
Filing Date :25/06/2010
(87) International Publication No :WO 2011/027610
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NIPPON STEEL ENGINEERING CO., LTD.
Address of Applicant :OSAKI CENTER BUILDING, 1-5-1,
OSAKI, SHINAGAWA-KU, TOKYO-1418604 Japan

(72)**Name of Inventor :**
1)KURAYOSHI, KAZUMI
2)KATO, RYO
3)MORI, KATSUMI
4)DOI, YOSHIHITO

(57) Abstract :

A method for dismantling a furnace having a multilayered refractory structure including: a furnace shell (61); a containing layer (62A) that is formed of a containing refractory (621, 622) that contains asbestos, and covers the inner side of the furnace shell; and a multilayered non-containing layer (62B) that is formed of a non-containing refractory (623 to 625) that contains no asbestos, and covers the inner side of the containing layer, the method includes: a primary dismantling process; and a secondary dismantling process conducted after the primary dismantling process. In the primary dismantling process, the non-containing layer (62B) is dismantled from a furnace-core side thereof but the containing layer (62A) and at least one layer (623) of the layers forming the non-containing layer (62B), which is in contact with the containing layer, are left as a remnant (62C). In the secondary dismantling process, the remnant (62C) is dismantled while asbestos measures are implemented.

No. of Pages : 46 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2851/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : POLYCONDENSATES HAVING AN ISOBUTYLENE SIDE CHAIN

(51) International classification	:C04B24/30
(31) Priority Document No	:09169130.3
(32) Priority Date	:01/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061286
Filing Date	:03/08/2010
(87) International Publication No	:WO 2011/026701
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CONSTRUCTION RESEARCH & TECHNOLOGY GMBH

Address of Applicant :DR.-ALBERT-FRANK-STR. 32,
83308 TROSTBERG Germany

(72)Name of Inventor :

1)KRAUS, ALEXANDER

2)DIERSCHKE, FRANK

3)BECKER, FABIAN

(57) Abstract :

The invention relates to a polycondensation product based on aromatics and/or heteroaromatics and aldehydes, said polycondensate containing at least one structural unit (I) having a polyisobutylene side chain and an aromatic or heteroaromatic and at least one structural unit (II) having an ionizable functional group and an aromatic or heteroaromatic, structural unit (I) not being the same as structural unit (II) and the aldehyde used having no acid or ester functions. A process for the preparation and the use as an additive for hydraulic binders are disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2852/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PROTECTIVE SLEEVE FABRICATED WITH HYBRID YARN, HYBRID YARN, AND METHODS OF CONSTRUCTION THEREOF

(51) International classification	:H01B11/06
(31) Priority Document No	:12/554,454
(32) Priority Date	:04/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/046282
Filing Date	:23/08/2010
(87) International Publication No	:WO 2011/028460 A2
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)FEDERAL-MOGUL POWERTRAIN, INC.
Address of Applicant :26555 NORTHWESTERN
HIGHWAY, SOUTHFIELD, MI 48033 U.S.A.
(72)**Name of Inventor :**
1)HARRIS, DAVID
2)PIOTROWSKI, MICHAEL
3)MALLOY, CASSIE, M.
4)CHEN, MING-MING

(57) Abstract :

A hybrid yarn filament and sleeve constructed therefrom for protecting elongate members against at least one of EMI, RFI or ESD is provided, along with methods of constructing the hybrid yarn filament and sleeves. The hybrid yarn filament has a non-conductive filament and at least one conductive wire filament overlying an outer surface of the non-conductive filament. The hybrid yarn filament is arranged in electrical communication with itself or other hybrid yarn filaments during construction of the sleeve to provide uniform shielding against EMI, RFI, and/or ESD.

No. of Pages : 28 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2831/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : POLYMER/THERMOPLASTIC STARCH COMPOSITIONS

(51) International classification :C08G63/64
(31) Priority Document No :2009904270
(32) Priority Date :03/09/2009
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2010/001100
Filing Date :26/08/2010
(87) International Publication No :WO 2011/026171 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CO2STARCH PTY LTD
Address of Applicant :UNIT 18, 35 DUNLOP ROAD,
MULGRAVE, VICTORIA, 3170 Australia
(72)Name of Inventor :
1)CHEN, CHANGPING
2)SCHEIRS, JOHN

(57) Abstract :

The invention relates to a biodegradable polymer composition comprising the following components (a)-(d) and/or a reaction product(s) derived from melt mixing the components: (a) polyalkylene carbonate; (b) thermoplastic starch (TPS) and/or its constituent components; (c) polymer having pendant carboxylic acid groups; and (d) transesterification catalyst.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2854/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DRUG DELIVERY DEVICE AND DRIVE MEMBER FOR A DRUG DELIVERY DEVICE

(51) International classification :A61M5/315

(31) Priority Document No :09171738.9

(32) Priority Date :30/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/064395
Filing Date :29/09/2010

(87) International Publication No :WO 2011/039205
A3

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SANOFI-AVENTIS DEUTSCHLAND GMBH

Address of Applicant :BRUNINGSTRASSE 50, D-65929

FRANKFURT AM MAIN Germany

(72)Name of Inventor :

1)PLUMPTRE, DAVID

2)LINDSAY, ADREW MARK

3)MACDONALD, CATHERINE ANNE

4)VEASEY, ROBERT

5)JONES, CHRISTOPHER

6)KOUYOU MJIAN, GAREN

(57) Abstract :

A drive member (1) for driving a piston rod (5) in a drug delivery device (4) is provided. The drive member (1) is configured to be driven in a rotational movement by an actuating member. The drive member (1) comprises a track (12) for transmitting a driving load from the actuating member to the drive member (1). The track (12) comprises both sections running in a distal and sections running in a proximal direction of the drive member (1). Moreover, a drug delivery device (4) comprising such a drive member (1) is provided.

No. of Pages : 74 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2855/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : SETUP CALCULATION LEARNING APPARATUS AND SETUP CALCULATION LEARNING METHOD

(51) International classification	:G05B13/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2009/065427
Filing Date	:03/09/2009
(87) International Publication No	:WO 2011/027451
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION
Address of Applicant :13-16, MITA 3-CHOME, MINATO-KU, TOKYO 108-0073 Japan
(72)**Name of Inventor :**
1)INAMI, HARUKI

(57) Abstract :

According to a certain embodiment, a setup calculation learning apparatus includes a model learning calculator (6), a vernier adaptive calculator (7), and a set point calculator (8). The model learning calculator calculates a model learning correction term on a basis of a deviation amount between a midstream result output actual calculation value and a midstream result output actual value, to correct a second model formula on a basis of the model learning correction term as calculated. The vernier adaptive calculator calculates a vernier correction term by processing in a smoothing manner a deviation amount between an initial target value associated with a final result output value and a final result output actual value, to calculate a provisional target value on a basis of the initial target value and the vernier correction term as calculated. The set point calculator calculates a set point to obtain the provisional target value as calculated by the vernier adaptive calculator, on a basis of the initial target value, a first model formula, and the second model formula as corrected at the model learning calculator.

No. of Pages : 38 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2856/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02
(31) Priority Document No :2010-084293
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057567
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125586
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)**Name of Inventor :**
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)HOSHINO, TOSHINOBU
7)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of decreasing an activity level of a calcined body activated by a calcination process. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of M-(OR)_x (M represents Dy or Tb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, desiccated magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius. Thereafter, the powdery calcined body calcined through the calcination process in hydrogen is held for several hours in vacuum atmosphere at 200 through 600 degrees Celsius for a dehydrogenation process. Thereafter, through powder compaction and sintering process, the powdery calcined body is formed into a permanent magnet.

No. of Pages : 61 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2857/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02
(31) Priority Document No :2010-082464
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057565
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125584
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)Name of Inventor :
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)HOSHINO, TOSHINOBU
7)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of densely sintering the entirety of the magnet without making a gap between a main phase and a grain boundary phase in the sintered magnet. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of $M-(OR)_x$ (M represents Dy or Tb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, a compact body formed by powder compaction is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius for calcination process in hydrogen. Thereafter, through sintering process, the compacted-state calcined body is formed into a permanent magnet.

No. of Pages : 52 No. of Claims : 10

(54) Title of the invention : ULTRASONIC DIAGNOSTIC DEVICE, AND METHOD FOR MEASURING INTIMA-MEDIA COMPLEX THICKNESS

(51) International classification	:A61B8/06	(71)Name of Applicant :
(31) Priority Document No	:2010-027246	1)PANASONIC CORPORATION
(32) Priority Date	:10/02/2010	Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:PCT/JP2010/006661	1)FUKUMOTO, TAKENORI
Filing Date	:12/11/2010	2)KAWABATA, AKIHIRO
(87) International Publication No	:WO 2011/099103	3)URABE, MAKIKO
	A1	4)SUZUKI, TAKAO
(61) Patent of Addition to Application Number	:NA	5)NISHIMURA, YUSHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An ultrasonic diagnostic apparatus according to the present invention includes: an ultrasonic signal processing section, which performs transmission processing for transmitting an ultrasonic wave toward a subject's blood vessel by driving a probe and reception processing for generating a received signal based on the ultrasonic wave reflected from the subject's blood vessel and received at the probe; a tomographic image processing section, which generates a tomographic image based on the received signal; a boundary detecting section, which detects the lumen-intima and media-adventitia boundaries of the blood vessel based on the received signal or the tomographic image; a vascular wall thickness calculating section, which calculates, as a vascular wall thickness value, the interval between the lumen-intima and media-adventitia boundaries detected by the boundary detecting section; a reliability determining section, which determines the reliability of the vascular wall thickness value by a signal feature of the received signal or an image information feature of the tomographic image at a location on the lumen-intima and/or media-adventitia boundaries detected; and a control section, which decides, in accordance with the decision made by the reliability determining section, that the vascular wall thickness value be defined as an intima-media thickness.

No. of Pages : 128 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2859/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02
(31) Priority Document No :2010-084094
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057574
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125593
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)Name of Inventor :
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof enabling carbon content contained in magnet particles to be reduced in advance before sintering even when wet milling is employed, and also the entirety of the magnet to be densely sintered without making a gap between a main phase and a grain boundary phase in the sintered magnet. Coarsely-milled magnet powder is further milled by a bead mill in an organic solvent. Thereafter, a compact body of compacted magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius to perform hydrogen calcination process. Thereafter, through sintering process, a permanent magnet 1 is formed.

No. of Pages : 38 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2860/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02
(31) Priority Document No :2010-082888
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/057566
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125585
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOSUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)Name of Inventor :
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of densely sintering the entirety of the magnet without making a gap between a main phase and a grain boundary phase in the sintered magnet. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of M-(OR)_x (M represents V, Mo, Zr, Ta, Ti, W or Nb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, a compact body formed through powder compaction is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius. Thereafter, through sintering process, a permanent magnet is manufactured.

No. of Pages : 57 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2861/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02
(31) Priority Document No :2010-084474
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057568
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125587
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)**Name of Inventor :**
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of decreasing an activity level of a calcined body activated by a calcination process. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of M-(OR)_x (M represents V, Mo, Zr, Ta, Ti, W or Nb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, desiccated magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius. Thereafter, the powdery calcined body calcined through the calcination process in hydrogen is held for several hours in vacuum atmosphere at 200 through 600 degrees Celsius for a dehydrogenation process.

No. of Pages : 66 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.2862/CHENP/2012 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02
(31) Priority Document No :2010-081766
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057569
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125588
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)**Name of Inventor :**
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)HOSHINO, TOSHINOBU
7)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of efficiently concentrating traces of Dy or Tb in grain boundaries of the magnet and sufficiently improving coercive force due to Dy or Tb while reducing amount of Dy or Tb to be used. To fine powder of milled neodymium magnet material is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of M-(OR)_x (M represents Dy or Tb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, a compact body compacted through powder compaction is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius for a hydrogen calcination process. Thereafter, through sintering process, the compact body is formed into a permanent magnet.

No. of Pages : 56 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.2853/CHENP/2012 A

(43) Publication Date : 10/05/2013

(54) Title of the invention : A RESETTABLE DRIVE MECHANISM FOR A DRUG DELIVERY DEVICE

(51) International classification :A61M5/315
(31) Priority Document No :09171769.4
(32) Priority Date :30/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/064430
Filing Date :29/09/2010
(87) International Publication No :WO 2011/039237
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SANOFI-AVENTIS DEUTSCHLAND GMBH
Address of Applicant :BRUNINGSTRASSE 50, D-65929
FRANKFURT AM MAIN Germany
(72)Name of Inventor :
1)VEASEY, ROBERT
2)CAVE, GEORGE
3)JONES, CHRISTOPHER
4)KOUYOUMJIAN, GAREN
5)MACDONALD, CATHERINE ANNE

(57) Abstract :

The present disclosure relates to a resettable drive mechanism for use in a drug delivery device (10). The drug delivery device (10) is having a distal direction (14) and a proximal direction (12). The drive mechanism comprises a drive rack (20) engaged with a drive gear (22), a piston rack (30) engaged with a piston gear (32) and coupling means (50) for coupling the drive gear (22) with the piston gear (32). In a first state of the drive mechanism, the drive gear (22) and the piston gear (32) are coupled and the piston rack (30) moves in distal direction (14) when the drive rack (20) is moved in distal direction (14). In a second state of the drive mechanism, the drive gear (22) and the piston gear (32) are decoupled and the piston rack (30) is moveable in proximal direction (12) for resetting the drive mechanism.

No. of Pages : 39 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2798/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DEVICE SUBSTRATE

(51) International classification	:G09F 9/30
(31) Priority Document No	:2009-202234
(32) Priority Date	:02/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/057210
Filing Date	:23/04/2010
(87) International Publication No	:WO 2011/027589
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHARP KABUSHIKI KAISHA

Address of Applicant :22-22 NAGAIKE-CHO, ABENO-KU,
OSAKA-SHI, OSAKA 545-8522 Japan

(72)Name of Inventor :

1)FUJIKAWA, YOHSUKE

(57) Abstract :

An element-side substrate (101), which is a device substrate of the present invention, includes an element array area (105), an RGB switch circuit (112), and a source driver IC (103). The center of a terminal group coupled to video signal lines of the source driver IC (103) is shifted (displaced) distance g leftward from the center of the RGB switch circuit (112), thereby making it possible to lengthen portions of bent left video signal lines that extend in the top-bottom direction while shortening portions of bent right video signal lines that extend in the top-bottom direction. As a result, it is possible to shorten the distance h between the source driver IC (103) and the RGB switch circuit (112) while fully avoiding interference with a large area occupied by left control lines (2011 to 201a) and also avoiding interference with a small area occupied by right control lines (2021 and 202b), so that a smaller frame region can be achieved.

No. of Pages : 38 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2845/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F1/08
(31) Priority Document No :2010-083924
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/057564
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125583
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOSUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)Name of Inventor :
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of densely sintering the entirety of the magnet without making a gap between a main phase and a grain boundary phase in the sintered magnet. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of $M-(OR)_x$ (M represents V, Mo, Zr, Ta, Ti, W or Nb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, desiccated magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius. Thereafter, the powdery calcined body calcined through the calcination process in hydrogen is held for several hours in vacuum atmosphere at 200 through 600 degrees Celsius for a dehydrogenation process.

No. of Pages : 65 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2846/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02
(31) Priority Document No :2010-084156
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057575
Filing Date :28/03/2011
(87) International Publication No :WO 2011/125594
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NITTO DENKO CORPORATION
Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680 Japan
(72)**Name of Inventor :**
1)OZEKI, IZUMI
2)KUME, KATSUYA
3)HIRANO, KEISUKE
4)OMURE, TOMOHIRO
5)TAIHAKU, KEISUKE
6)OZAKI, TAKASHI

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of preventing degrade in the magnetic properties by densely sintering the entirety of the magnet. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of M-(OR)_x (M represents Dy or Tb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, the desiccated magnet powder is calcined by utilizing plasma heating and the powdery calcined body is sintered so as to form a permanent magnet 1.

No. of Pages : 51 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2847/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 10/05/2013

(54) Title of the invention : DRIVE MECHANISM FOR A DRUG DELIVERY DEVICE AND RESET MEMBER FOR A DRIVE MECHANISM

(51) International classification :A61M5/315
(31) Priority Document No :09171736.3
(32) Priority Date :30/09/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/064390
Filing Date :29/09/2010
(87) International Publication No :WO 2011/039202
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SANOFI-AVENTIS DEUTSCHLAND GMBH
Address of Applicant :BRUNINGSTRASSE 50, D-65929
FRANKFURT AM MAIN Germany
(72)Name of Inventor :
1)VEASEY, ROBERT
2)BILTON, SIMON, LEWIS
3)JONES, CHRISTOPHER
4)KOUYOUMJIAN, GAREN
5)MACDONALD, CATHERINE ANNE

(57) Abstract :

A plunger (4) and a lever (5) are arranged in a body (1) and provided with engaging elements engaging the lever with the plunger. The lever is disengageable from the plunger by a shift of the lever, thus enabling a movement of the plunger relatively to the body in the proximal direction (30).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1424/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :04/11/2011

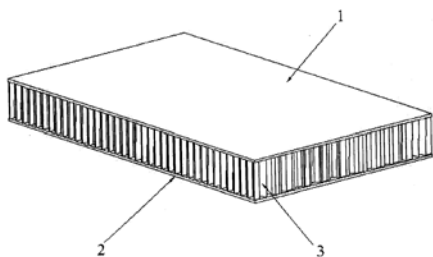
(43) Publication Date : 10/05/2013

(54) Title of the invention : FLUTED CARDBOARD WITH COVERING SIDES

(51) International classification	:B31F1/26	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHENG-YI CHAN
(32) Priority Date	:NA	Address of Applicant :NO. 423-2, SANFENG RD., HOULI
(33) Name of priority country	:NA	DIST. TAICHUNG CITY, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHENG-YI CHAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to the technological field of a cardboard, and more particularly to a fluted cardboard including a top cardboard, a bottom cardboard and core paper connected to and disposed between the top cardboard and the bottom cardboard. Covering sides covering the core paper are disposed on a periphery of each of the top and bottom cardboards. The covering sides include a top covering side integrally formed with the top cardboard, and a bottom covering side integrally formed with the bottom cardboard. This invention can effectively decrease the cost of the cardboard, and enhance the structural strength of the cardboard.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1426/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :05/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : REDUCED DOSE ORAL PHARMACEUTICAL COMPOSITIONS OF FENOFIBRATE

(51) International classification	:A61K31/216	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUPIN ATLANTIS HOLDINGS, S.A.
(32) Priority Date	:NA	Address of Applicant :Bachstrasse 56, 8200 Schaffhausen
(33) Name of priority country	:NA	SH, Switzerland
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KALLEM Venkat Reddy;
(87) International Publication No	: NA	2)KASU Raghu Rami Reddy;
(61) Patent of Addition to Application Number	:NA	3)DAS Subhasis;
Filing Date	:NA	4)THOMMANDRU Vijaya Kumar;
(62) Divisional to Application Number	:NA	5)DESHPANDAY Ninad;
Filing Date	:NA	

(57) Abstract :

The invention relates to reduced dose oral pharmaceutical composition of fenofibrate which exhibits substantial bioequivalence to Antara® Capsules under fasting condition and also capable of reducing the food effect on bioavailability of fenofibrate. Provided is a pharmaceutical composition comprising about 90 mg of fenofibrate particles having a D90 particle size of less than about 600 nm and a pharmaceutically acceptable carrier, wherein the pharmaceutical composition is a solid dosage form suitable for oral administration and is substantially free of food effect such that when administered orally to a human provides an AUC0-t value for fenofibric acid in the blood plasma of the human under a fed state which is higher than the AUC0-t value under a fasted state by up to 12%, wherein t is 96 hours from the administration of the pharmaceutical composition.

No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1439/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

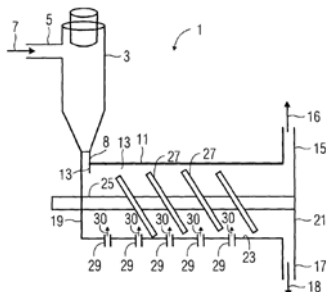
(43) Publication Date : 10/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PRODUCING A PRODUCER GAS

(51) International classification	:E21B43/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:NA	Address of Applicant :WITTELSBACHERPLATZ 2 80333
(33) Name of priority country	:NA	MÜNCHEN GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SRIDHAR GURURAJA RAO
(87) International Publication No	: NA	2)NARAYAN VIKAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method and system for producing a producer gas The present invention relates to a system (1) and a method for producing a producer gas, wherein the system comprises a first reactor (3) comprising an inlet (5) for receiving a carbonaceous material and air, and for inducing a first swirl to the carbonaceous material and air, a heating module adapted to provide heat such that the first swirl-induced carbonaceous material is pyrolysed and subsequently undergo oxidation and reduction to produce a raw producer gas and a char, and a second reactor (11) adapted to receive the raw producer gas and the char and adapted to combust a portion of the raw producer gas to produce an amount of heat for inducing a reduction reaction of the char to produce a resultant producer gas.



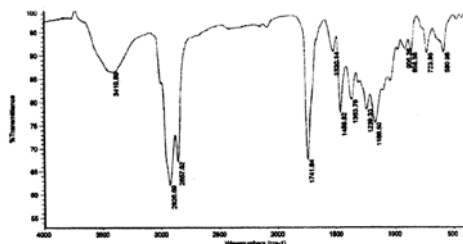
No. of Pages : 26 No. of Claims : 16

(54) Title of the invention : A COMPOSITION OF ECO-FRIENDLY THERMAL INSULATION COLOR COATING FOR APPLICATION ON THE INNER SURFACE OF GALVANIZED STEEL SHEETS FOR ROOFING APPLICATION

(51) International classification	:C23C22/07	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(86) International Application No	:NA	831001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MR. PRATHAB BHASKAR
(61) Patent of Addition to Application Number	:NA	2)MR. SUMITESH DAS
Filing Date	:NA	3)DR. K. V. S. N. RAJU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a composition of eco-friendly thermal insulation color coating on the inner surface of galvanized steel sheets for roofing applications. The high solid (< 90 %) hybrid coating composition consists of a renewable resource based polymer and low cost silica rich materials with good thermal insulation characteristics along with other properties required for GI roofing. The coating has been prepared using polymer and silica rich material with plate like characteristics with microcellular voids as major components and other minor components were mixed in a ball-attriator mill followed by curing agent to get the flow, color, drying and thermal stability. The thermal insulating coating has been evaluated for flexibility, impact/durability and corrosion resistance characteristics. The composition also provides good aesthetic appearance to GI sheet.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1435/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :09/11/2011

(43) Publication Date : 10/05/2013

(54) Title of the invention : PLY TYRE TUBE

(51) International classification

:B60C17

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

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(71)Name of Applicant :

1)SINGH DEEPAK

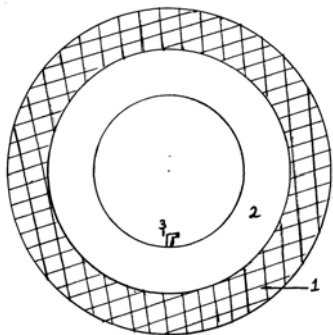
Address of Applicant :145/1A, ANAND PALIT ROAD,
KOLKATA-700014, West Bengal India

(72)Name of Inventor :

1)SINGH DEEPAK

(57) Abstract :

The ply tyre tube is a new type of tube which renders support to the tyres even in case of a cut by a stone or air in the tyre. It distributes the pressure around a cut or air in the tyre and prevents the tyre from exploding. It also reduces the chances of a puncher. Even in some rare case if a stone manages to puncher such a tube the tube would not burst as explained earlier and the release of air would be slow and thereby prevent the tyre from bursting. It uses nylon plies which run about half way on the lower side of the tube and protects the lower half of the tyre which is in contact with the ground and is most vulnerable. It comprises plies embedded in rubber (1),only rubber(2),air valve(3).



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(12) PATENT APPLICATION PUBLICATION

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(54) Title of the invention : AN IMPROVED ULTRASONIC INSPECTION SYSTEM AND A METHOD FOR SURFACE AND SUB-SURFACE CRACK DETECTION OF HIGH SPEED STEEL ROLLS

(51) International classification

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(71)Name of Applicant :

1)TATA STEEL LIMITED

Address of Applicant :RESEARCH AND DEVELOPMENT
AND SCIENTIFIC SERVICES DIVISION JAMSHEDPUR-
831001, Jharkhand India

(72)Name of Inventor :

1)SARMISHTHA PALIT SAGAR

2)GVS MURTHY

3)TARUN KUMAR DAS

4)AMIT PRAKASH

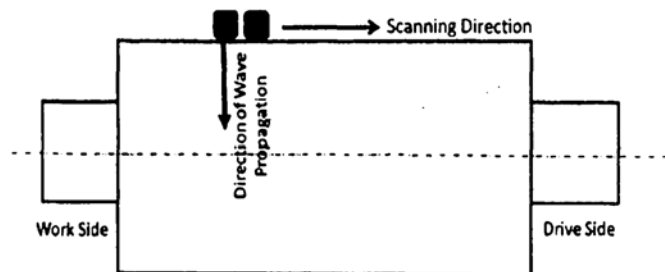
5)U.S. GOEL

6)SURESH CHOUDHARY

7)T. VENUGOPALAN

(57) Abstract :

The invention relates to an improved ultrasonic inspection method for the detection of fine surface cracks of high speed steel (HSS) Rolls, said method comprising providing at least one 0.5 MHz surface wave probe; providing a test object in the form of a HSS roll; acquiring receive energy from half the circumference; determining the presence of any surface crack in between by scanning the test object only from two angular positions of the Roll; and generating calibration curves with crack-depth vs crack echo amplitude including crack depth vs back wall echo amplitude; and obtaining optimum grinding conditions of the HSS roll from the calibration curves.



No. of Pages : 20 No. of Claims : 12

AMENDMENT UNDER SEC.57(KOLKATA)

An application for change in the address for service of the Patentee from M/S. L. S. DAVAR & CO., MONALISA, FLATS 1B & 1C, 17 CAMAC STREET, KOLKATA – 700 017 to M/S. K & S PARTNERS , # 4121/B, 6TH CROSS, 19A MAIN, HALL II STAGE [EXTENSION], BANGALORE – 560 038, KARNATAKA, INDIA in respect of Patent No. 249513 (630/KOLNP/2006) was filed. Any person interested may at any time within three months from the date of publication give notice on Form-14 to the Controller of Patents , if any, at the appropriate office .

PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT (CHENNAI)

Notice is hereby given that any person interested in opposing the following applications for Restoration of Patent under Section 60 of the Patent Act, 1970, may at any time within 2 months from the date of Publication of this notice, give notice to the Controller of Patents at the appropriate office on the prescribed Form 14 under Rule 85 of the Patents (Amendment) Rules, 2006.

PATENT NUMBER	APPLICANTS	TITLE	DATE OF CESSATION	APPROPRIATE OFFICE
253048	M/s. INTERNATIONAL ENGINE INTELLECTUAL PROPERTY COMPANY LLC	NON-HOMOGENEOUS ENGINE COMPONENT FORMED BY POWDER METALLURGY	20/09/2012	CHENNAI
248841	Shri. A.R. SHIVAKUMAR	POPUP FILTER FOR FILTERING RAINWATER	30/11/2011	CHENNAI
183696	M/s. VIVIMED LABS LIMITED	A PROCESS FOR THE SYNTHESIS OF THE BACTERIOSTAT 2,4,4- TRICHLORA-2'	03/10/2011	CHENNAI
242093	DR. JOSE THAIKATTIL	A COOKER	20/11/2011	CHENNAI
244991	DR. GOVINDARAJU ARCHUNAN & Shri.SWAMYNATHAN RAJANARAYANAN	ESTRUS INDICATING URINARY PHEROMONES IN BUFFALOES	17/09/2012	CHENNAI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256121	1591/DELNP/2007	26/08/2005	30/12/2004	TRICYCLIC LACTAM DERIVATIVES AS 11-BETA HYDROXYSTEROID DEHYDROGENASE INHIBITORS	JANSSEN PHARMACEUTICA N.V.,	03/08/2007	DELHI
2	256122	2192/DEL/2006	05/10/2006		A FORMULATION FOR THE STABILIZATION OF ALLERGENIC EXTRACTS USED IN DIAGNOSIS AND THERAPY OF ALLERGY.	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	05/09/2008	DELHI
3	256123	3072/DEL/1997	24/10/1997		A PROCESS FOR THE PREPARATION OF CHIRAL 2,3-SUBSTITUTED PROPYLOXY SUBSTITUTED-2,2-DIALKYL-3,4-DIARYLCHROMANS AND THEIR SALTS	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	16/03/2012	DELHI
4	256125	2335/DELNP/2007	07/08/2003	08/08/2002	NOVEL PYRAZOLE DERIVATIVE	KISSEI PHARMACEUTICAL CO.LTD.	18/01/2008	DELHI
5	256127	3437/DELNP/2006	17/08/2004	28/11/2003	ANTICARCINOMA ANTIBODIES AND USES THEREOF	NATIONAL RESEARCH COUNCIL OF CANADA, OTTAWA HEALTH RESEARCH INSTITUTE	31/08/2007	DELHI
6	256129	2483/DELNP/2004	24/01/2003	25/01/2002	ANTI-C5aR ANTIBODIES	G2 THERAPIES LTD.	06/04/2007	DELHI
7	256130	2884/DELNP/2007	04/10/2005	05/10/2004	AN APPARATUS FOR ENHANCED BLOCK ACKNOWLEDGEMENT AND A METHOD THEREOF	QUALCOMM INCORPORATED	17/08/2007	DELHI
8	256131	2870/DELNP/2004	11/04/2003	12/04/2002	METHOD FOR THE ANONYMOUS AUTHENTICATION OF A DATA TRANSMITTER	THOMSON LICENSING S.A	09/10/2009	DELHI
9	256134	2666/DEL/2005	05/10/2005		A PROCESS FOR THE PREPARATION OF ALGINATE NANOPARTICLES	LIFECARE INNOVATIONS PVT. LTD.	02/10/2009	DELHI
10	256136	867/DELNP/2007	20/07/2005	06/08/2004	AN ADHESIVE COMPOSITION	OATEY CO.	03/08/2007	DELHI

11	256137	467/DELNP/2007	20/07/2005	20/07/2004	LIQUID CLEANSING COMPOSITIONS	COLGATE-PALMOLIVE COMPANY	03/08/2007	DELHI
12	256138	1784/DEL/2007	21/08/2007 16:18:09		A METHOD OF PRODUCING A REINFORCED EPOXY RESIN NANOCOMPOSITE	G.B.PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY	03/04/2009	DELHI
13	256141	7252/DELNP/2006	01/06/2005	01/06/2004	A WIRELESS TERMINAL	QUALCOMM INCORPORATED	24/08/2007	DELHI
14	256144	3748/DELNP/2004	29/04/2003	02/05/2002	HOMOGENOUS PROCESS FOR THE HYDROGENATION OF CARBOXYLIC ACIDS AND DERIVATIVES THEREOF	DAVY PROCESS TECHNOLOGY LIMITED	09/10/2009	DELHI
15	256146	5483/DELNP/2005	27/05/2004	29/05/2003	COLLECTOR FOR SOLAR RADIATION	SUNENGY. PTY. LIMITED	05/10/2007	DELHI
16	256151	916/DELNP/2007	18/04/2006	18/04/2005	METHOD AND SYSTEM FOR REMOTE SERVER ADMINISTRATION.	RESEARCH IN MOTION LIMITED	03/08/2007	DELHI
17	256152	334/DELNP/2005	08/08/2003	09/08/2002	INTERNET-BASED SUBMISSION OF CABLE NETWORK CONTENT	BIES, RICHARD, J.	07/11/2008	DELHI
18	256154	225/DELNP/2006	17/06/2004	17/06/2003	METHODS FOR THE PRODUCTION OF INSULIN IN PLANTS	SEMBIOSYS GENETICS, INC.	17/08/2007	DELHI
19	256155	771/DELNP/2008	17/08/2006	19/08/2005	A SOLID LAUNDRY DETERGENT COMPOSITION COMPRISING ANIONIC DETERGENT SURFACTANT AND A HIGHLY POROUS CARRIER MATERIAL	THE PROCTER & GAMBLE COMPANY	04/07/2008	DELHI
20	256156	4045/DELNP/2006	11/01/2005	13/01/2004	SYSTEM AND APPARATUS FOR A WIRELESS SERVICE PROVIDER TO SUPPORT A SUBSCRIBER HAVING A PLURALITY OF WIRELESS COMMUNICATION DEVICES	QUALCOMM INCORPORATED.	17/08/2007	DELHI
21	256158	2494/DELNP/2006	04/05/2004	09/10/2003	DNA CLONING VECTOR PLASMIDS AND METHODS FOR THEIR USE.	INTREXON CORPORATION	10/08/2007	DELHI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	169916	69/BOM/1989	17/03/1989		AN IMPROVED PROCESS FOR RECOVERING UNFERMENTED SUGARS FROM THE EFFLUENT / SPENT WASH OF ALCOHOL DISTILLERIES AND INCREASING THE FERMENTATION EFFICIENCY OF SUBSTRATES AND A PLANT FOR CARRYING OUT THE SAID PROCESS.	FOUR EYES RESEARCH PRIVATE LIMITED,		MUMBAI
2	170471	112/BOM/1989	28/04/1989	29/04/1988	DETERGENT COMPOSITION AND PROCESS FOR PREPARING THE SAME	HINDUSTAN LEVER LIMITED	17/06/1989	MUMBAI
3	170487	148/BOM/1989	07/06/1989	08/06/1988	THICKENED LIQUID COMPOSITION	HINDUSTAN LEVER LIMITED.	29/07/1989	MUMBAI
4	170591	51/BOM/1989	01/03/1989		AN IMPROVED OFF-SHORE FIXED STRUCTURE FOR LOADING, UNLOADING AND STORAGE OF BULK MATERIALS LIKE ORES FOR TRANSHIPMENT.	AUDUTH TIMBLO	29/04/1989	MUMBAI
5	171069	109/BOM/1989	24/04/1989		AN APPARATUS FOR SEPARATING INTO CONSTITUENTS, A MIXTURE OF TWO OR MORE LIQUIDS INSOLUBLE IN EACH OTHER	SALEAM ESSOP	17/06/1989	MUMBAI
6	171122	219/BOM/1989	08/08/1989		AN IMPROVED PROCESS FOR THE PRODUCTION OF ASHLESS ALKYL XANTHATES	INDIAN OIL CORPORATION LIMITED.	07/10/1989	MUMBAI
7	173468	363/BOM/1991	09/12/1991		HAIR TREATMENT COMPOSITION FOR REDUCING GREASINESS OF HAIR	HINDUSTAN LEVER LIMITED	29/02/1992	MUMBAI

8	256118	2000/MUMNP/2009	21/01/2008	30/05/2007	PERSONAL CARE COMPOSITION WITH COCOA BUTTER AND DIHYDROXYPROPYL AMMONIUM SALTS	HINDUSTAN UNILEVER LIMITED	07/01/2011	MUMBAI
9	256157	1762/MUMNP/2008	02/02/2007	25/02/2006	SHADING DYE GRANULE ITS USE IN A DETERGENT FORMULATION AND PROCESS TO MAKE IT	HINDUSTAN UNILEVER LIMITED	13/02/2009	MUMBAI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256116	3922/CHENP/2006	25/04/2005	26/04/2004	POLYETHYLENE, METHOD OF PREPARING ETHYLENE COPOLYMERS AND A CATALYST COMPOSITION FOR ITS PREPARATION	BASELL POLYOLEFINE GmbH	15/06/2007	CHENNAI
2	256117	1418/CHENP/2004	19/11/2002	26/11/2001	A METHOD OF MANUFACTURING A MASS FLOWMETER	EMERSON ELECTRIC CO.	10/02/2006	CHENNAI
3	256119	4371/CHENP/2006	12/05/2005	28/05/2004	PIPERAZIN COMPOUNDS AND METHOD OF CONTROLLING PESTS THEREOF	SYNGENTA PARTICIPATIONS AG	15/06/2007	CHENNAI
4	256120	5357/CHENP/2007	22/01/2004	13/03/2003	A LIQUID-LIQUID EXTRACTION SYSTEM AND A METHOD OF EXTRACTING A DISSOLVED SOLUTE FROM A FIRST LIQUID TO A SECOND LIQUID	3M INNOVATIVE PROPERTIES COMPANY	27/06/2008	CHENNAI
5	256124	4350/CHENP/2006	18/04/2005	27/04/2004	SALTS OF LAKED MONOAZO COMPOUNDS	CIBA HOLDING INC	29/06/2007	CHENNAI
6	256126	555/CHENP/2006	08/10/2004	08/10/2003	METHOD OF TRANSPORTING DATA BY FEC BASED RELIABILITY CONTROL TECHNIQUE	DIGITAL FOUNTAIN, INC.	22/06/2007	CHENNAI
7	256128	2942/CHENP/2004	25/06/2003	25/06/2002	METHOD AND SYSTEM FOR REDUCING SERVICE OUTAGES IN A MULTIBEAM SATELLITE SYSTEM	QUALCOMM INCORPORATED	17/02/2006	CHENNAI
8	256139	508/CHE/2005	28/04/2005	28/04/2004	CASE AND PRINTER PROVIDED WITH LOCKING MECHANISM	SEIKO EPSON CORPORATION	05/10/2007	CHENNAI
9	256140	460/CHE/2004	14/05/2004	21/05/2003	LIFT INSTALLATION WITH A BUFFER FOR CREATING A ZONE OF PROTECTION IN A LIFT INSTALLATION AND A METHOD OF CREATING A ZONE OF PROTECTION	INVENTIO AG	23/02/2007	CHENNAI

10	256142	1032/CHE/2008	25/04/2008	26/04/2007	VEHICLE HEADLIGHT HAVING COMPONENTS INLAYING PORTIONS AND RADIATOR BODY	KOITO MANUFACTURING CO., LTD.	21/08/2009	CHENNAI
11	256143	5834/CHENP/2007	18/05/2006	19/05/2005	LINEAR ANTENNA OPERATING IN THE HIGH FREQUENCY RANGE	SELEX COMMUNICATIONS S.p.A	10/02/2012	CHENNAI
12	256145	3693/CHENP/2006	14/02/2005	06/04/2004	WINDSCREEN WIPER SYSTEM, PARTICULARLY FOR A MOTOR VEHICLE	ROBERT BOSCH GMBH	06/07/2007	CHENNAI
13	256147	1289/CHE/2008	27/05/2008 16:02:53	30/05/2007	LEG SHIELD STRUCTURE OF MOTORCYCLE	HONDA MOTOR CO., LTD	21/08/2009	CHENNAI
14	256149	8/CHENP/2007	31/05/2005	02/06/2004	IMPLANT ASSEMBLY DEVICE	SYNTHESES GmbH	17/08/2007	CHENNAI
15	256153	4309/CHENP/2006	19/04/2005	23/04/2004	CONTINUOUS CONNECTION PROFILE FOR ATTACHMENT OF SHEET PILES TO SUPPORTING ELEMENTS	PilePro LLC	15/06/2007	CHENNAI
16	256159	2406/CHE/2007	24/10/2007		A METHOD FOR DETECTION OF COLLISION WITH AN OBJECT OR ANOTHER VEHICLE USING NARROW LIGHT BEAMS	CH. RABI KUMAR	02/04/2010	CHENNAI
17	256160	2484/CHE/2006	29/12/2006		METHOD FOR SORTING AND DISPLAYING MENU OPTIONS IN A MULTI FUNCTIONAL PERIPHERAL BASED ON FREQUENCY OF USAGE OF THE MENU OPTIONS	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
18	256161	1627/CHENP/2004	04/12/2003	06/12/2002	METHOD AND APPARATUS FOR PROVIDING TANDEM-FREE INTERSYSTEM VOICE COMMUNICATION	QUALCOMM INCORPORATED	24/02/2006	CHENNAI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256114	488/KOLNP/2009	09/08/2007	11/08/2006	A PRODUCTION METHOD OF SPHERICAL BASE GRANULES	ASAHI KASEI CHEMICALS CORPORATION	15/05/2009	KOLKATA
2	256132	2726/KOLNP/2007	10/02/2006	11/02/2005	PROTEASOME INHIBITORS AND METHODS OF USING THE SAME	CEPHALON, INC	31/08/2007	KOLKATA
3	256133	725/KOLNP/2008	30/08/2006	31/08/2005	POLYOLEFIN COMPOSITION COMPRISING A CROSSLINKABLE POLYOLEFIN AND THE SILANOL CONDENSATION CATALYST AND MASTERBATCH FOR SUCH COMPOSITION	BOREALIS TECHNOLOGY OY	17/04/2009	KOLKATA
4	256135	2042/KOLNP/2008	12/09/2007	15/09/2006	RECORDING INK, INKJET RECORDING METHOD AND INKJET RECORDING APPARATUS	RICOH COMPANY, LTD.	16/01/2009	KOLKATA
5	256148	1821/KOLNP/2004	09/05/2003	10/06/2002	MOUNTING DEVICE FOR A CABLE CUP	CABLERUNNER AUSTRIA GMBH & CO. KG	14/07/2006	KOLKATA
6	256150	2128/KOLNP/2006	11/02/2005	12/02/2004	ELECTRICALLY CONDUCTING GLASS STRANDS AND STRUCTURES COMPRISING SUCH STRANDS	SAINT-GOBAIN VETROTEX FRANCE S.A.	18/05/2007	KOLKATA

CONTINUED TO PART- 2