

पेटेंट कार्यालय  
का  
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 01<sup>st</sup> 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**

8<sup>TH</sup> FEBRUARY, 2013

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**THE PATENT OFFICE  
KOLKATA, 08/02/2013**

**Address of the Patent Offices/Jurisdictions**

**The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-**

1	<p>Office of the Controller General of Patents, Designs &amp; Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	4	<p>The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai – 600 032.</p> <p>Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</li> </ul>
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: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu &amp; Dadra and Nagar Haveli</li> </ul>	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: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ Rest of India</li> </ul>
3	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi – 110075</p> <p>Phone: (91)(11) 2808 1921 – 25 Fax: (91)(11) 2808 1920 &amp; 2808 1940 E.mail: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and the Union Territory of Chandigarh.</li> </ul>		

Website: [www.ipindia.nic.in](http://www.ipindia.nic.in)  
[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

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

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

**पेटेंट कार्यालय**  
**कोलकाता, दिनांक 08/02/2013**  
**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 :-**

1	<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: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	4	<p>पेटेंट कार्यालय चेन्नई, इंटेलेक्चुअल प्रोपर्टी राइट्स बिल्डिंग इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु इंगल फ्लास्क जी.एस.टी. रोड, गायन्डी, चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फैक्स: (91)(44) 2250-2066 ई.मेल: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a> ❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्ष्मीप</p>
2	<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: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a> ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.</p>	5	<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: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a> ❖ भारत का अवशेष क्षेत्र</p>
3	<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: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a> ❖ 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](http://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 जाहौं उपयुक्त कार्यालय स्थित हैं।

## **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 18<sup>th</sup> 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 no third party representation.

## **CORRIGENDUM**

**Name of the inventor for both the Patent applications 575/KOL/2006 and 576/KOL/2006 have been changed.  
For both the above mentioned Patent applications the changed name of the inventor is - Anupam Upadhyा.**

**For Patent application Nos - 575/KOL/2006 and 576/KOL/2006**

**Old name of the inventor  
Dhiraj Gupta**

**New or changed name of the inventor  
Anupam Upadhyा**

## **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.2607/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :22/08/2012

(43) Publication Date : 08/02/2013

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(54) Title of the invention : STUDENT PERFORMANCE MANAGEMENT AND BENCHMARKING SYSTEM

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(51) International classification	:G09B1/00	(71) <b>Name of Applicant :</b> <b>1)DR. ANKUR GUPTA</b> Address of Applicant :MODEL INSTITUTE OF EDUCATION & RESEARCH (MIET) BC ROAD, JAMMU 18001 INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)DR. ANKUR GUPTA</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

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(57) Abstract :

The present invention describes a cloud-based student performance analysis and benchmarking application for educational institutions. Student performance is ascertained through data entered by the students on comprehensive set of parameters covering all academic and non-academic parameters. The data is verified by the faculty and the institute authorities. Further, the student is assessed on the basis of performance in automated tests administered periodically to measure the progression of the students on industry-standard parameters. The invention then proceeds to construct detailed performance profiles of individual students and groups of students belonging to the same class, department, school or institution through relative comparison and computation of percentile ranks on each performance parameter. This serves as useful inputs for students in improving their performance and also as useful input for the faculty and management to devise strategic academic interventions to address areas of weak performance among the student community. The benchmarking is also performed with student data from other institutions at the city, state and national levels. The invention also serves as a personal coach issuing automated recommendations to the students based on the analysis of their relative performance and delivering knowledge-digests containing useful domain specific and generic information for enhancing knowledge and awareness. The invention utilizes gamification techniques like maintaining leaderboards and issuing badges for achievement to provide incentive to students to participate and to make the process enjoyable. It also compliments the students when they perform well. Finally, the invention provides features which allow students to manage their goals and express themselves online through a personal diary/journal.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2012

(21) Application No.3620/DEL/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : OSTEO ANGULOMETER

(51) International classification	:G09B 1/00	(71) <b>Name of Applicant :</b> <b>1)PURKAIT RUMA</b> Address of Applicant :C/O MRS. CHITRA DEB B-96, SARVODAYA ENCLAVE, NEW DELHI - 110017 India <b>2)AHEMAD MOHAMMAD NASIR</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PURKAIT RUMA</b> <b>2)AHEMAD MOHAMMAD NASIR</b>
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 :

Osteo Angulometer, an instrument to measure angles on bones is disclosed. The instrument consists of a calibrated plastic protractor (1 in FIG.1) with two transparent plastic vertical bars attached to it. One of the bars, the immobile one (2 in FIG.1) is fixed on the posterior aspect of the protractor on its inferior central line. The mobile bar (3 in FIG.1) shaped like an arrow is hinged on to the anterior aspect of the protractor with a minute nut and bolt (6 in FIG.1). The mobile bar with its midline marked indicates the angle. The instrument is light weighted, portable and convenient to use with negligible error. The instrument will benefit the researchers as well as the Forensic Scientists engaged in establishing identity from unknown human remains.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2012

(21) Application No.3655/DEL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AIR VALVE AT SOURCE IN DRYIN SYSTEM IN BUILDNEGS

(51) International classification	:A47K 10/00	(71) <b>Name of Applicant :</b> <b>1)AJAY KUMAR</b> Address of Applicant :BASEMENT, V-8, GREEN PARK EXTN., BASEMENT, NEW DELHI-110016 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)AJAY KUMAR</b>
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 :

For the purpose of providing facility of drying hands, arms, face and other parts of human body or other moist objects in wash rooms located at various outlying points in a building, the device of this system employs an air compressor (12) positioned at a central location in the building as source for the air required for said drying function, wherein compressed air is stored in a tank (21) and in a primary pipe (15) communicating with the compressor (12) and released through respective solenoid valve (29) located immediately down the line near to said primary pipe (15), said released air traveling through low pressure secondary air pipe (16) to exit at respective drying point (19). The stream of drying air is released through said solenoid valve (29) automatically by means of an emitter detector pair (18) when the pair detects the approach of an object of drying, or the release is controlled manually. Speed and pressure of drying air can be regulated through a throttle valve (30). The drying air may be cold or may be heated by passing through adjustable wattage electric heating coil (17) placed near the drying point (19). A tertiary flexible hose or pipe (36) can be appended at wall exit point (19) of the drying air stream to conduct the stream towards a desired point of drying.

No. of Pages : 13 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2012

(21) Application No.3703/DEL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD OF WIRELESS AND AUTOMATIC COMMUNICATION WITH DOORS OF HOUSES AND VEHICLES THROUGH BLUETOOTH ENABLED MOBILE PHONES, WHICH INCLUDES, LOCKING, UNLOCKING, ALARMING AND PASSIVE KEYLESS ENTRY

(51) International classification	:H02K	(71) <b>Name of Applicant :</b> <b>1)GAUTAM GANESH IYER</b> Address of Applicant :F-273, SARASWATI KUNJ, PLOT NO. 25, IP EXTENSION, PATPARGANJ, NEW DELHI - 110092 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)GAUTAM GANESH IYER</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The Present invention relates to a method of locking doors through Bluetooth enabled mobiles. For same, the ECU required to be attached with lock, then whenever one wants to lock / unlock the door of his / her house or vehicle, he / she needs to pair his / her Bluetooth enabled mobile phone with ECU attached to the particular lock. Only paired Bluetooth devices will be able to communicate with the ECU. The number of users who can access this lock is / are customizable. The user can use this service, if he / she is in range with the ECU. It can be fitted in both houses and vehicles. An additional feature of passive keyless entry can also be enabled wherein whenever the user is near the door, the door unlocks automatically and when he goes out of range it locks. Also the user can ring the door bell and activate the panic alarm using his mobile phone.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2012

(21) Application No.3656/DEL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : BALL MOUNTED DOMESTIC SOLAR COOKER

(51) International classification	:F24J 2/00	(71)Name of Applicant : <b>1)AJAY KUMAR</b> Address of Applicant :BASEMENT, V-8, GREEN PARK EXTN., BASEMENT, NEW DELHI-110016 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

For the purpose of receiving a maxima of solar heat for cooking or heating conveniently in domestic environment the device of this invention proposes a solar rays reflecting mirror (14,46) whose position is manually manipulated to face the sun by mounting the mirror effectively on a spherical ball (16) which can roll tightly in a cup shaped receptacle (41). For dwellings that commonly only have a balcony exposure to the sun, the ball (16) is effectively carried on a telescopic structure or rod jutting out of the exposed to sun external wall (33) adjoining the balcony. This invention thus brings the free and vast solar energy within easy reach of households and reduces use of expensive fuels.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2012

(21) Application No.3739/DEL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POWER DEVELOPMENT SYSTEM

(51) International classification

:F01B

(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

(57) Abstract :

No. of Pages : 5 No. of Claims : 2

(71)Name of Applicant :

**1)RAJESH PANDEY**

Address of Applicant :VILL. & POST-BHADAUSI, DISTT.  
KANNAUJ, U.P. India

(72)Name of Inventor :

**1)RAJESH PANDEY**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/01/2012

(21) Application No.131/MUM/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : AN EFFECTIVE PROCESS FOR REMOVAL OF HYDROGEN SULPHIDE GAS FROM HYDROCARBONS, INDUSTRIAL EFFLUENT GASES ETC

(51) International classification	:A61L 9/01	(71) <b>Name of Applicant :</b> <b>1)MANISH KULKARNI</b> Address of Applicant :A-302, OM SHREE LABH CHS, TPS-III, L.T. ROAD, BORIVALI(W) MUMBAI-92 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)CHARUCHANDRA DEWASTHALE</b>
(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 new and effective chemical absorption process for removal of Hydrogen Sulphide gas from Acid Gases / Hydrocarbons / Industrial Influent and/or Effluent gases, which is extremely important to deal with due to it's corrosive nature, danger to human health (HSE Concern) & bad odour. The process invented is based on the principle of chemical absorption whereby acid gases which includes H2S and CO2 gases are treated with special type of chemicals (a new invention invented by Charuchandra Dewasthale) giving clean gas with less than 3 ppm of H2S in treated gas irrespective of inlet H2S concentration.

No. of Pages : 7 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/01/2012

(21) Application No.132/MUM/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SPECIALTY CHEMICALS FOR REMOVAL OF HYDROGEN SULPHIDE GAS FROM ACID GASES, HYDROCARBONS, INDUSTRIAL PROCESSES ETC.

(51) International classification	:C07C 7/12	(71) <b>Name of Applicant :</b> <b>1)MANISH KULKARNI</b> Address of Applicant :A-302, OM SHREE LABH CHS, TPS-III, L.T. ROAD, BORIVALI(W), MUMBAI-92 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	<b>2)CHARUCHANDRA DEWASTHALE</b>
(87) International Publication No	:N/A	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>1)MANISH KULKARNI</b>
(62) Divisional to Application Number Filing Date	:NA	<b>2)CHARUCHANDRA DEWASTHALE</b>

(57) Abstract :

Specialty chemicals are used for removal of Hydrogen Sulphide gas from Acid Gases / Hydrocarbons / Industrial Influent and/or Effluent gases, which is extremely important to deal with due to it's corrosive nature, danger to human health (Health, Safety & Environment concerns) & bad odour. The specialty chemicals are an inorganic composition of salts with pH buffer solution used for stabilising in situ generated oxidising mild chemical and maintain it's oxygen concentration.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/02/2012

(21) Application No.528/MUM/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WATER- DESPERSIBLE GRANULAR FORMULATION OF TEBUCONAZOLE AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:A01N 47/04	(71) <b>Name of Applicant :</b> <b>1)EXCEL CROP CARE LIMITED</b> Address of Applicant :184-87 S V ROAD, JOGESHWARI(WEST), MUMBAI 400 102, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)SHROFF DIPESH KANTISEN</b> <b>2)CHAUDHARI RAJENDRA PRALHAD</b> <b>3)VADODARIA SANJAY DHIRAJLAL</b> <b>4)VAGHELA SANJAY SHAMBHUBHAI</b> <b>5)RANA MAYUR ARVIND</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A water-dispersible granular formulation of tebuconazole is disclosed comprising tebuconazole, dispersing agent, wetting agent, antifoaming agent and filler. Claimed formulation can be prepared by spray-drying or extrusion.

No. of Pages : 12 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/01/2012

(21) Application No.93/MUM/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NANOFIBER MEMBRANE LAYERED FILTER MEDIA.

(51) International classification	:B01D 29/01	(71) <b>Name of Applicant :</b> <b>1)SOLUS FILTECH</b> Address of Applicant :306 PASHAKA, NEAR NIRMAL HOSPITAL, RING ROAD, SURAT-395002 GUJARAT India
(31) Priority Document No	:NA	<b>2)AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION (ATIRA)</b>
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. MD. SAFIKUR RAHMAN</b>
(87) International Publication No	:N/A	<b>2)RAMESH M. THUMAR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RAMNIK R. GONDALIA</b>
Filing Date	:NA	<b>4)BHAVIN N. VAISHNAV</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A nanofibers membrane layered filter media is disclosed. The media comprises of flat surfaced filter substrate and the said substrate was coated with a layer of polymeric nanofibers membrane to obtain an efficient filter media. The nanofibers membrane was prepared using free surface electrospinning process.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/01/2013

(21) Application No.209/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : FLAP CLONING AND ODO CLONING-NEW METHODS OF DIRECTIONAL CLONING OF DNA USING TAQ DNA POLYMERASE

(51) International classification	:C12N	(71) <b>Name of Applicant :</b> <b>1)G. SUHASA</b> Address of Applicant :NO.432, 6TH CROSS, MSR NAGAR, MATHIKERE, BANGALORE 560 054 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)G. SUHASA</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein are methods of directional cloning of DNA/cDNA using Taq DNA polymerase using Flap cloning or ODO cloning or combined Flap cloning and ODO cloning. Flap cloning makes use of flap endonuclease activity of Taq DNA polymerase. ODO cloning makes use of polymerase activity of Taq DNA polymerase. Combined Flap cloning and ODO cloning makes use of flap endonuclease activity and polymerase activity of Taq DNA polymerase. Background of the Invention:

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/01/2013

(21) Application No.239/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : RESOURCE ALLOCATION USING COOPERATIVE TECHNIQUE FOR RANDOM ACCESS WIRELESS OF DMA COMMUNICATION SYSTEM

(51) International classification	:H04L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SUNIL JACOB</b>
(32) Priority Date	:NA	Address of Applicant :SCMS ENGG COLLEGE, KARUKUTTY ANGAMALI Kerala India
(33) Name of priority country	:NA	<b>2)DR. R. DHANASEKARAN</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SUNIL JACOB</b>
(87) International Publication No	: NA	<b>2)DR. R. DHANASEKARAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In this research we investigate the joint power and bandwidth allocation in a random access wireless orthogonal frequency division multiple access (OFDMA) communication system with multiple source and multiple destination nodes based on partial channel knowledge. The multiple sources in the system each transmits information to multiple destinations at a fixed signal to noise ratio (SNR) target and cooperates via an orthogonal amplify and forward protocol and orthogonal regenerative decode and forwarding protocol with different frequency slots. We develop a framework for bandwidth and power allocation in this scenario around the concept of OFDMA and derive the expressions for the transmit power and bandwidth allocated to each source to achieve their SNR targets as a function of the cooperation ratio between sources. As the cooperation ratio increases between transmit-receive node the channel gain and feedback increases and more information is exchanged between TR nodes. We also observe that increase in cooperation ratio matches the power and bandwidth allocation for perfect and partial channel state information. For the cooperation ratio greater than the required minima the channel gain and feedback is sufficient T-R nodes employ ORDF and for the cooperation ratio less than the required minima the channel gain and feedback is not sufficient T-R nodes employ OAF strategy. The cooperation ratio solves the problem of optimally allocating the total power and Bandwidth of each T-R nodes between the transmissions it is assisting based on partial channel knowledge. We investigate the effect of interference when all sources transmit with equal frequency allocation and the impact of orthogonal frequency division among the sources.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2013

(21) Application No.266/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SECON

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DAMEEM SHAHABAZ</b>
(32) Priority Date	:NA	Address of Applicant :T.C.48/265(3), RAMEESA MANZIL,
(33) Name of priority country	:NA	PAZHANCHIRA LANE, POONTHURA POST, TRIVANDRUM
(86) International Application No	:NA	- 695 026 Kerala India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)DAMEEM SHAHABAZ</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This is a Security Software. It mainly protects its user from key loggers. Using this software anyone can use their confidential data on any PC regardless hacked or not. User is just need to connect his/her personal pen drive on the computer to which they are using their confidential data (e.g. password, PIN number etc..) They must declare any of their pen drive as their personal pen drive using their personal computer. Declared personal pen drive can be blocked, cancelled, or unblocked in case of pen drive missing.

No. of Pages : 10 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/01/2013

(21) Application No.188/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A SYSTEM AND METHOD FOR GENERATING ELECTRICAL ENERGY BY UTILIZING VIBRATIONS

(51) International classification	:H01L
(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)G. JITHENDRA NAIDU**

Address of Applicant :VASAPURAM, YALLANUR(M), ANATHAPUR - 515 465 Andhra Pradesh India

**2)K. PRANAY KUMAR REDDY**

**(72)Name of Inventor :**

**1)G. JITHENDRA NAIDU**

**2)K. PRANAY KUMAR REDDY**

**3)S. SIVA PRASAD**

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**(57) Abstract :**

Exemplary embodiments of a present invention are directed towards a system and method for generating an electric energy by capturing the vibrations. The system includes a piezo electric generator including a first spring mass system, a second set of mass spring system and a third set of spring mass system. The system further includes a first lead zirconate titanate (PZT) material placed on a base of the shield to the first spring mass system for capturing the vibrations to generate a piezo electric energy, a second lead zirconate titanate (PZT) material and a third lead zirconate titanate (PZT) material placed on the outer shield of the second set of spring mass system for capturing the vibrational energy from horizontal direction of smooth surface to generate the piezo electric energy and fourth lead zirconate titanate (PZT) material and fifth lead zirconate titanate (PZT) material placed diametrically opposite to second set of spring mass system for capturing the vibrational energy from the vertical direction of the smooth surface to generate the electrical energy.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/01/2013

(21) Application No.326/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : UNIQUE PICK JAR

(51) International classification	:A47J	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)S. ANWAR ALI</b>
(32) Priority Date	:NA	Address of Applicant :NO.9/2, H.M.R. INDUSTRIAL
(33) Name of priority country	:NA	ESTATE, GOKULA, MATHIKERE, BANGALORE Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)S. ANWAR ALI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Unique pick jar is an excellent device which is used to handle chemical substances and other similar things safely without touching them by hand as the jar is transparent we can pick the exact quantity of substance. Generally the spoons used to pick the substances are 8f different in sizes and different in types. Hence by making use of spoons we can not get exact quantity we needed. Moreover, while transferring the substances using spoons, they spill by shaking of hands or by air. Hence such losses are not found in the use of pick jars. These kinds of pick jars are known for its precision and safety. This pick jar has been comprehensively designed after several rounds of experiments. This jar contains 3 stands. So we can place it safely on any platform we want. At the end of the stands, an ejector is fitted. The height between the ejector of the jar and the platform varies according to the different sizes of jars. The finger holder fitted with this jar is very handy. There is a scale fitted with this jar to measure the substances. This scale also differs in sizes according to the different sizes of jar. The above mentioned devices are designed after various rigid experiments. The assembled pick jar is designed by putting together the above mentioned components. It is also available in various sizes. It plays an important role in kitchen, lab, hotel & Industries.

No. of Pages : 14 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/01/2013

(21) Application No.198/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ELECTRICITY PRODUCTION USING ANY MOTOR PULLEY, BELT AND GENERATOR

(51) International classification	:H01M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)S. ARUN KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :15/8, FIRST CROSS STREET, C.I.T.
(33) Name of priority country	:NA	COLONY, MYLAPORE, CHENNAI - 600 014 Tamil Nadu India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)S. ARUN KUMAR</b>
(87) 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 :

When the motor is started the pulley is run and the belt connected to the pulley is run and rotates the generator shaft and the electricity is produced from the generator.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2012

(21) Application No.5027/CHE/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : IMPROVED ENERGY EFFICIENT SMOKELESS BIOMASS STOVE

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(51) International classification	:F01N
(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)G. NARAYANASAMY

Address of Applicant :NO.679 A1/6, MANTHITHOPE  
ROAD, KOVILPATTI - 628 502, THoothukudi DISTRICT  
Tamil Nadu India

(72)Name of Inventor :

1)G. NARAYANASAMY

(57) Abstract :

A Biomass stove made up of a specially constructed inverted cone shaped brick furnace insulated with outer ceramic wool insulation enclosed by steel cover sheet with two doors and a specially designed double wall annular ring flue gas exit chamber made of metal wherein the exhaust gas escaping through the gap between the support legs in the bottom ring of the chamber and the vessel pass into the inside of the chamber whereby the heat from the exhaust gas is directly absorbed by the cooking vessel with special fins fit tightly into the chamber and the complete combustion of the fuel with limited supply of controlled air from the lower door of the furnace leads to no smoke or soot into the chimney that is fixed to the exhaust gas chamber to pass on the exhaust gas into the outer atmosphere.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/01/2013

(21) Application No.155/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : THE ART,METHOD, MANNER, PROCEES OF USE OF DIFFERENTIAL CEREBROSPINAL FLUID REACTIVITY TO PREFOLDIN-5 ALPHA AS A PROGNOSTIC MARKER FOR B CELL ACUTE LYMPHOBLASTIC-CENTRAL NERVOUS SYSTEM LEUKEMIA RELAPSES

(51) International classification	:G01N33/00	(71) <b>Name of Applicant :</b> <b>1)AMRITA VISWAVIDYAPEETHAM UNIVERSITY</b> Address of Applicant :ELAMAKKARA P.O., COCHIN -682 026 Kerala India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KRISHNA KUMAR N. MENON</b>
(87) International Publication No	: NA	<b>2)TESSY XAVIER</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ADHYWTH HARIDASAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention refers to the use of B-ALL cerebrospinal fluid reactivity to PFDN5-a as prognosis/progression to CNS leukemia. This invention discloses the specific protocols needed to use PF DN5-a reactivity as a prognostic tool. Data is provided in this patent that validate the use of CSF reactivity to PF DN5-a for predicting disease progression and the risk of an B cell acute lymphoblastic leukemia patient to develop CNS relapse. The claimed method would help the patient to be grouped into a category of high risk in developing CNS leukemia.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/01/2013

(21) Application No.197/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : RECHARGING ELECTRIC VEHICLE

(51) International classification	:H01M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)S. ARUN KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :15/8, FIRST CROSS STREET, C.I.T.
(33) Name of priority country	:NA	COLONY, MYLAPORE, CHENNAI - 600 014 Tamil Nadu India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)S. ARUN KUMAR</b>
(87) 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 :

When the motor is started the pulley is run and the belt connected to the pulley is run and rotates the generator shaft and the electricity is produced from the generator. This electricity produced in the vehicle is used to recharge the battery of the electric vehicle. The Electric vehicle can run for hours

No. of Pages : 5 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/01/2013

(21) Application No.201/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : COMPACT ROTARY I. C. ENGINE/HEAT PUMP

(51) International classification	:F02C
(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)CHADIVE RAJA REDDY**

Address of Applicant :25-2-490, SIR SARADA VIHAR  
CHAITHANYA PURI, A. K. NAGAR NELLORE - 524 004

Andhra Pradesh India

(72)Name of Inventor :

**1)CHADIVE RAJA REDDY**

(57) Abstract :

compact rotary I.C. engine complete combustion, Low pollution, heat pump tireless kitchen stove. A Multistage pump by integrating require number of units of centrifugal pump, that pumps air to required pressure and the converse of it which runs as a motor when fluid at high pressure flows through it. A pump and a motor the latter with a higher capacity, both running on a common shaft that drives load with combustor in between the pump and the motor. While running the compressed air from compressor flows through combustor where it mixes with fuel and burns. Then air flows through motor which converts pressure energy to mechanical energy which is absorbed by the compressor and the load. Heat pump is I.C. engine running in reverse mode with two heat exchangers-heater and cooler

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2013

(21) Application No.224/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MGS POWER

(51) International classification	:F03G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)M. SINDHA</b>
(32) Priority Date	:NA	Address of Applicant :GOLDEN PRESS, 1216, CUMBUM
(33) Name of priority country	:NA	ROAD, THENI - 625 531, THENI DISTRICT Tamil Nadu India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)M. SINDHA</b>
(87) 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 :

Thus with the help of Oscillational force and minimum input current a maximum output current is obtained.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2013

(21) Application No.259/CHE/2013 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ENERGY SAVING ELEVATOR UTILIZING A DUAL CAR

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(51) International classification	:B66B
(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)D. LAXMAN DAS**

Address of Applicant :H. NO: 10-239/1, VASANTHA PURI COLONY, MALKAJGIRI, RANGA REDDY DIST - 500 047 Andhra Pradesh India

(72)Name of Inventor :

**1)D. LAXMAN DAS**

(57) Abstract :

Exemplary embodiments of the present invention are directed towards an energy saving elevator utilizing a dual car. The energy saving elevator includes a first elevator cage, a first pulley for enabling an upward motion and downward motion of the first elevator cage by a hoisting rope, a second elevator cage, a second pulley for enabling an upward motion and a downward motion of the second elevator cage. The system further includes one or more load cells equipped in the first elevator cage and the second elevator cage for detecting the accumulated weight and a programmable logic controller in communication with the one or more load cells for calculating a relative difference of the weight accumulated in the first elevator cage and the second elevator cage for calculating and determining a differential weight thereby enabling the first elevator cage and the second elevator cage to traverse in the opposite directions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/12/2012

(21) Application No.1454/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A PROCESS FOR PREPARING ANTI-COUNTERFEIT ALUMINIUM FOIL

(51) International classification	:B65D65/42
(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)ESS DEE ALUMINIUM LIMITED**

Address of Applicant :1, SAGORE DUTTA GHAT ROAD,  
KAMARHATI, KOLKATA-700058, WEST BENGAL, INDIA.

(72)Name of Inventor :

**1)SHRI, SUDIP DUTTA**

(57) Abstract :

A process for preparing anti-counterfeit aluminium foil Abstract This invention relates to a process for preparing anti-counterfeit aluminium foil and in particular, this invention relates to a process for preparing anti- counterfeit aluminium foil and its use for producing packaging material, decorative foils and advertising media. More particularly, this present invention relates to the anti- counterfeit aluminium foil. The invention relates furthermore to the use of the counterfeit-proof aluminium foil as claimed in the invention for producing packaging material, for example for healthcare and allied industry. Furthermore, this invention also relates to the process of preparing counterfeit-proof aluminium foil which is made by using a specialized optical image transfer technology which creates an encrypted image on the roller during manufacturing of aluminium foil.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/09/2012

(21) Application No.1032/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A NOVEL SURFACE-FUNCTIONALIZED ZNO-NANOPARTICLES EXHIBITING THERAPEUTIC PROPERTIES, AND PROCESS FOR PREPARING THE SAME.

(51) International classification	:A61K33/30	(71) <b>Name of Applicant :</b> <b>1)BOSE INSTITUTE</b> Address of Applicant :93/1 Acharya Prafulla Chandra Road, Kolkata - 700 009, and also at P1/12, C.I.T. Scheme VII M, Kolkata - 700 054, WEST BENGAL, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)CHAKRABORTI, SOUMYANANDA</b> <b>2)JOSHI, PRACHI</b> <b>3)DAS, DR. TANYA</b> <b>4)CHAKRABARTI, PROF. PINAKPANI</b> <b>5)CHAKRABORTY, DR. RANADHIR</b> <b>6)MANDAL, AMIT KUMAR</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

In recent times multidrug resistant microorganisms are being encountered with quite often, both in developed and developing countries, and India is no exception. A sustained search for an effective answer had led to novel surface-functionalized ZnO nanoparticles which have shown considerable promise to combat such microorganisms, and also to act as anti-tumor and anti-bacterial agents. The present invention relates to novel surface-functionalized ZnO nanoparticles (NPs) exhibiting therapeutic properties, characterized in that ZnO quantum dots (QDs) are surface modified or functionalized by capping with capping agents selected from, inter alia, (i) silane or derivatives thereof, (ii) amine terminated silane; (iii) mercapto - or thiol - terminated silane, (iv) thiols or compounds with mercapto group such as acid terminated thiols, mercapto succinic acid, mercaptoundecanoic acid, amine- terminated thiol and 4-aminothiophenol; (v) polymeric bodies like polyethyleneglycol (PEG), polyethyleneimine (PEI), polyvinylalcohol (PVA) and polyvinylpyrrolidone (PVP); (vi) oleic acid; (vii) chitosan; (viii) fluorescein isothiocyanate (FITC) and biotin or NHS-biotin. The subject invention is also concerned with a process for preparing the above novel compounds.

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

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

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PATCH FITTING WITH CLOSING FUNCTION

(51) International classification	:B65B11/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:101102277	<b>1)LEADO DOOR CONTROLS LTD.</b>
(32) Priority Date	:19/01/2012	Address of Applicant :NO. 4, ALLEY 54, TIANJHONGYANG LANE, YUANLIN TOWNSHIP, CHANGHUA COUNTY 510, TAIWAN
(33) Name of priority country	:Taiwan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)YU, KING-SUNG</b>
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 patch fitting for a glass door includes a mount for being mounted on a floor, a shaft connected with the mount, a clamping seat pivotally connected with the shaft, and a piston unit installed inside the clamping seat. When the glass door is sweeping to open or close, the clamping seat will turn along with the sweeping movement of the glass door about the shaft and the piston unit will be pushed by an eccentric cam of the shaft to press the hydraulic oil contained in the clamping seat so as to provide a damping resistance in response to the sweeping movement of the glass door. The patch fitting can be easily installed on the floor by a simple work.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2012

(21) Application No.1464/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PASSENGER TRAIN SAFETY PROTECTING SYSTEM

(51) International classification	:B61L23/06	(71) <b>Name of Applicant :</b> <b>1)KARTICK CHANDRA MANNA</b> Address of Applicant :7/B, JADU PANDIT ROAD, KOLKATA-700006, WEST BENGAL, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)KARTICK CHANDRA MANNA</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a passenger train safety protecting system and in particular, this invention relates to the passenger train safety protective system which monitors the detecting result about the route track in real time, and send the corresponding indicating notification next running train. More particularly, this present invention relates to the passenger train safety protective system is suitable for the 24-hour real-time trouble online monitoring of running railway freight trains. Furthermore, this invention also relates to the passenger train safety protective method is simple, is easy to realize, and can be utilized to monitor the abnormal interferences and the system failures of the train control safety communication system simultaneously.

No. of Pages : 28 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2012

(21) Application No.1134/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AN IMPROVED FACE SCRUB

(51) International classification	:A61K8/00	(71) <b>Name of Applicant :</b> <b>1)MOUSUMI NAG</b> Address of Applicant :AJANTA PARA, HIRAPUR, DHANBAD, PIN - 826001 Jharkhand India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)MOUSUMI NAG</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved face scrub comprising of predetermined proportions of Peas extract (A), Clove (B), Pepper and Cumin (C ), Barley (D), Soy (E), Oats (F), corn(G), Jawar (H), Amaranth(I), plurality of trace elements, and soya bean in suitable manner.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/11/2012

(21) Application No.1330/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AN IMPROVED SNAP FIT SCREEN PANEL AND FIXING SYSTEM

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(51) International classification	:A01G9/22	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)TEGA INDUSTRIES LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :147, BLOCK-G, NEW ALIPORE, KOLKATA-700 053, WEST BENGAL, INDIA.
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)PAUL, BISWADEEP</b>
Filing Date	:NA	<b>2)KOLEY, DEBASHIS</b>
(87) International Publication No	: NA	<b>3)MOHARANA, TANMAY</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

A fixing arrangement (10) for a screen panel comprising at least a screen panel(11) having side edges/side faces(4,7) on either side. The panel is adapted to be fixed to an adapter bar(1) and said bar(1) is adapted to be mounted on a screen deck frame. This bar(1) extends horizontally over said screen deck frame and between side edge regions of a pair of said screen panels(11), said adapter bar has at least a female portion in the form of a fixing groove (5) on its top surface(21) such that said groove(5) has an internal profile that exactly matches the outer profile of the bottom part(3) of said screen panel(11) for receiving said bottom part(3) securely and snap fitting therewith and said adapter bar(1) is fixed on a portion(2) of said screen deck frame by suitable fixing means.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.673/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WEIGHT WHEEL

(51) International classification	:B25B27/14	(71) <b>Name of Applicant :</b> <b>1)MANISH.KR.AGRAWAL</b> Address of Applicant :AT/PO - LAPANGA, DIST - SAMBALPUR Orissa India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)MANISH.KR.AGRAWAL</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The weight wheel as the name itself indicate the production of energy with the help of water, wheel and weight. The technology invented here was purely new and dynamic and can be used in our day to day life. The bucket B1 having water from tank fall straight from a height can create some energy and that energy can be used to lift the other ¾ weight in round motion in wheel and the different between the falling energy and the energy consumed for lifting can be saved at the top of wheel and utilize for other purpose like generation of electricity with the help of generator. This device can take some time to interchange of water and weight which can be overcome by increasing the size or numbers of device.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/07/2012

(21) Application No.807/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : FLAME SHAPE CONTROLLER FOR NON-PREMIXED FLAMES

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(51) International classification	:F23D14/02	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)sameer dubey</b>
(32) Priority Date	:NA	Address of Applicant :54-G.M.College Road Post-Budharaja
(33) Name of priority country	:NA	Sambalpur Odisha-768004 West Bengal India
(86) International Application No	:NA	<b>2)Anil Dubey</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Sameer Dubey</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Anil Dubey</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Flame shape controller for flares takes the form of a cylinder co-axial with and concentrically outside the mouth of the flare, the cylinder being added with diverging cone type inlet structure in the direction of gas flow. The angle of the cone could vary from [0 to 45°] from the vertical and the length of the cylinder outside the mouth of the flare is sufficient to allow boundary layer to form and converge. The variation of length of convergence of boundary layer is used to control the shape of flame. Various sensors are used to get data on fuel flow rate, surrounding air velocity to calculate length of convergence of boundary layer. Based on this calculation actuators would keep an advance control on flame shape. Calculation of flame shape is done on the basis of an algorithm, for this training data is provided by flame sensors.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/07/2012

(21) Application No.837/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SYNTHESIS OF SILVER NANO-PARTICLES WITH EXTRACT OF FUNGUS TRICHOLOMA CRASSUM (BERK.) SACC., ITS USE AS ANTIBACTERIAL, ANTIFUNGAL AND APOPTOTIC AGENT.

(51) International classification	:A61K8/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SUREKHA KUNDU</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY,
(33) Name of priority country	:NA	UNIVERSITYOF CALCUTTA, 35 BALLYGUNGE CIRCULAR
(86) International Application No	:NA	ROAD, KOLKATA 700019, West Bengal India
Filing Date	:NA	<b>2)SARMISTHA RAY</b>
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)SUREKHA KUNDU</b>
Filing Date	:NA	<b>2)SARMISTHA RAY</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides to the development of methods employed for synthesizing silver nanoparticles using mycorrhizal fungus Tricholoma crassum (Berk.) Sacc. The procedure for synthesizing silver nanoparticles is by making of cell filtrate from mycelial mat of the above organism and thereafter exposing it to silver nitrate solution with definite concentration & under specific conditions. The extracellular synthesis of the fungal enzyme and metabolites reduces the silver ions to nanoparticles. The silver nanoparticles thus produced is of diameter ranging from 5-50 nm they were mostly spherical. [] This inventions also correlates to characterization of silver nanoparticles in terms of shapes, sizes, particle distribution. It is monodispersing without aggregation ,spherical to quasi-spherical with average size of 21.91nm. [] Further this invention also illustrates to its antimicrobial properties as a potent agent against multidrug resistant bacteria of both plant and animal. It also has antifungal properties. This holds good for both pharmaceutical and biopesticidal industries. It is both cost-effective and eco-friendly. [] The silver nanoparticle of this invention can be prepared under lower temperature conditions. Specifically its reaction temperature is 28°C which is less than 90°C. Even it can be used in both conductive coatings, and adhesives.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/08/2012

(21) Application No.890/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : IMPROVED TROMMEL ASSEMBLY

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(51) International classification	:B07B1/00
(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)TEGA INDUSTRIES LIMITED**

Address of Applicant :147, BLOCK-G, NEW ALIPORE,  
KOLKATA- 700 053, WEST BENGAL, INDIA.

(72)Name of Inventor :

**1)PAUL, BISWADEEP**

**2)KOLEY, DEBASHIS**

**3)MOHARANA, TANMAY**

**4)CHAUDHARY, GOPI CHARAN**

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(57) Abstract :

An improved trommel assembly(1) for screening different particles, comprising a plurality of modular units(2) detachably attached to one another, each modular unit having a flange(3) adapted to firmly attach with one or more corresponding flanges(3) of one or more corresponding modular units(2).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2012

(21) Application No.934/KOL/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CONCRETING OVER BAMBOO SPLITS (COBS)

(51) International classification	:B27J1/00	(71) <b>Name of Applicant :</b> <b>1)MANOJ KUMAR DAS</b> Address of Applicant :C/O. LATE TARUN CHARDRA DAS, VILL: ABHAYPUR, P.O.: GERUAH, P.S.: HAJO , DIST.: KAMRUP, PIN: 781102 Assam India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Concreting Over Bamboo Splits (COBS) is a cost effective & eco-friendly process innovated to provide concrete slab for civil construction where bamboo is used along with the other building materials like cement, aggregates, steel bars etc. thereby reducing the necessary quantum of those building materials as compared to the conventional method. In this novel method, bamboo culms are split-open and are used as primary supporting element during casting of cement concrete slab. Furthermore, they also act as secondary reinforcement in addition to the steel bars thus offering a dual reinforcement during casting of steel reinforced cement concrete slab. In this process, the bamboo-splits are so placed that the inner culms along with its fibers remain upward to adhere to the concrete to form a good matrix altogether. The most important feature of this method is its outstanding contribution towards lowering the need of cutting trees for construction purpose, ensuring sustainable development. It is because, in this method, the use of timber shuttering is minimal in comparison to the conventional method. Apart from the construction of horizontal type RCC slab for good dwelling, Concreting Over Bamboo Splits (COBS) is also used to construct slopped and arched type plain cement concrete (PCC) slab in lieu of the semi-permanent conventional roofing, made of costly sheets of corrugated galvanized iron (CGI), asbestos, plastic etc., thus leading to a complete roofing solution, which is cheap yet permanent. Besides, such roof or slab would also provide better insulation and acoustics in addition to the natural aesthetics of bamboo surface, thereby eliminating the need of costly false ceiling or troublesome plastering as in conventional type.

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

## **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.2165/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :01/08/2011

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A FORMULATION FOR THE TREATMENT OF ARSENIC TOXICITY

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(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)AMITY UNIVERSITY</b> Address of Applicant :AMITY UNIVERSITY CAMPUS,SECTOR-125, NOIDA-201303, Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)TANU ALLEN</b>
(87) International Publication No	:NA	<b>2)SOHINI SINGH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)CHARUL SHARMA</b>
Filing Date	:NA	<b>4)DIPTI SINGH</b>
(62) Divisional to Application Number	:NA	<b>5)RICA KOTHARI</b>
Filing Date	:NA	

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(57) Abstract :

The present invention provides a formulation for treating or reducing the severity or intensity of arsenic toxicity. The formulation is administered prior to, during, or after the development of arsenic toxicity related symptoms in a patient in need thereof. The formulation of the present invention safely induces cellular antioxidant potential to achieve an overall net decrease in arsenic toxicity without the undesirable side-effects.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2173/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR REGENERATION OF OKRA

(51) International classification	:H02J
(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	:1552/DEL/2004
Filed on	:20/08/2004

(71)**Name of Applicant :**

**1)MAHARASHTRA HYBRID SEEDS COMPANY  
LIMITED**

Address of Applicant :ASHOK CENTER, 3RD FLOOR, E-4/15, JHANDEWALAN EXTENSION, PAHARGANJ, NEW DELHI 110055 INDIA

(72)**Name of Inventor :**

**1)ZEHR, USHA BARWALE  
2)NAIR, MADHAVAN NARENDRAN  
3)DEOLE, SATISH GOVINDRAO**

(57) Abstract :

The present invention provides a method for regeneration of whole plant from the explants obtained from the Abelmoschus species preferably A.esculentus. In addition the present invention also provides a method for transforming okra plant, plant cells and tissues either with the use of recombinant Agrobacterium strain or by bombarding the explants with tungsten or gold particles coated with DNA sequences of interest. An efficient method to isolate embryos from imbibed seeds of okra is also described which enables the use of young meristematic cells of plumule tip for efficient regeneration and transformation of okra plants. Further, transformed okra plants, plant cells and tissues for improved agronomic/non agronomic traits and insect resistance are generated either by using marker based or marker free systems.

No. of Pages : 59 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2174/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR HANDLING LINKSTATE ADVERTISEMENT AND ROUTER

(51) International classification

:H02J

(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)HUAWEI TELECOMMUNICATIONS (INDIA) CO.,  
PVT. LTD.**

Address of Applicant :14TH FLOOR, TOWER C, UNITECH  
CYBER PARK, SECTOR-39, GURGAON, HARYANA-  
122002,INDIA

(72)Name of Inventor :

**1)RAVI, M.R.;  
2)RAJESH, SHETTY, M.;  
3)SRINIVASAN, LOKABIRAMAN;**

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(57) Abstract :

The embodiments of the present invention provide a method for handling an LSA and a router. The method comprises: receiving by a first router a data description packet from a second router; determining the first router is a requester, and there is an LSA in the first router, wherein both the LSA in the first router and the LSA in the second router have the header; requesting for a body of the LSA in the second router from the second router by sending a link state request packet. Therefore, the first router will get a body of an LSP in a second router when an LSP in the first router and the LSP in the second router have the same header. This could help the first router determine whether the LSP in the first router is as same as the LSP in the second router.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2195/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ATTENUATED PASTEURELLA MULTOCIDA WITH DETERMINANT MARKER

(51) International classification	:A61K39/102	(71) <b>Name of Applicant :</b> <b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH</b> Address of Applicant :INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KRISHI BHAWAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI - 110001, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)CHAUDHURI PALLAB</b> <b>2)SINGH VIJENDRA PAL</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to development of recombinant vectors and an attenuated Pasteurella multocida P52 vaccine strain by targeted gene knock-out approach. The wild type Pasteurella multocida P52 vaccine strain is a highly virulent organism used to prepare killed vaccine in India. The developed attenuated strain is non-virulent to mammals and maintains immunogenic properties. The developed strain can be used as live vaccine against Haemorrhagic Septicaemia. Recombinant vectors were constructed using suicide plasmid which can not replicate in Pasteurella multocida. Pasteurella multocida P52 was transformed with recombinant vector by electroporation. Kanamycin resistance determinant marker was incorporated in the genome of Pasteurella multocida P52 during homologous recombination with the recombinant vector. The developed attenuated P. multocida P52 strain is an auxotroph which can not grow in absence of aromatic amino acids. As an immunogen, the attenuated strain exhibits a remarkable activity with enhanced immune response. In addition, the attenuated strain is stable mutant. The organism can be used as freeze dried vaccine with longer shelf life. As live vaccine, the attenuated strain of Pasteurella multocida confers stronger immunity and requires low dose (less number of live organisms) for immunization. This vaccine composition is very safe and can be administered through a variety of routes.

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2212/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : USER PROGRAMMABLE AUTONOMOUS FAN REGULATOR INTEGRATED WITH A.C.

(51) International classification	:G04G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SINGHAL AYUSH</b>
(32) Priority Date	:NA	Address of Applicant :#228, SECOTOR-16A, FARIDABAD,
(33) Name of priority country	:NA	121002 Haryana India
(86) International Application No	:NA	<b>2)BANSAL AMAN</b>
Filing Date	:NA	<b>3)SHARMA VISHAL</b>
(87) International Publication No	:NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)SINGHAL AYUSH</b>
Filing Date	:NA	<b>2)BANSAL AMAN</b>
(62) Divisional to Application Number	:NA	<b>3)SHARMA VISHAL</b>
Filing Date	:NA	

(57) Abstract :

Partially Autonomous Fan Regulator is one of the applications of electronics to increase the facilities of our life. Fan is one of the unavoidable Electronic equipment in our day today life. It has become essential element without which people cant lead a smooth life. The use of new electronic theories has been put down by expertise to increase the facilities given by the existing appliance. Here the facility of ordinary fan is increased by integrating it with AIR CONDITIONER (A.C.) and controlling speed according to temperature. If a.c. is on an acknowledgement will be send to the regulator (controller) and sensor will sense temperature of room and it will have preinstalled program according to which speed will be managed. And if a.c. is off and once manually speed is set then any variation in temperature will be sensed and speed will be managed accordingly. And if user does not want that it should operate automatically than he can select manual operation and select any level of the fan required. It can be very easily installed and increase the level of comfort. It is user friendly.

No. of Pages : 46 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2213/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A BIO-COMPATIBLE HYDROPHILIC POLYMERIC MATERIAL FOR PRODUCING INTRAOCULAR LENS AND A METHOD OF PREPARATION THEREOF

(51) International classification	:A01J
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

**(71)Name of Applicant :**

**1)SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH(AN INDIAN INSTITUTE)**  
Address of Applicant :19, UNIVERSITY ROAD; DELHI-110 007, INDIA.

**2)INDIAN COUNCIL OF MEDICAL RESEARCH,  
INDIAN ORGANISATION;**

**(72)Name of Inventor :**

**1)TRIPTI SHARMA  
2)RAM SANKAR HALDAR  
3)UTPAL KUMAR NIYOGI  
4)RAKESH KUMAR KHANDAL**

---

**(57) Abstract :**

A biocompatible hydrophilic polymeric material for producing intraocular lens and a method of preparation thereof comprising the steps of: (a) Mixing of monomers selected at least one from Hydroxy ethyl acrylate (HEA) and Hydroxy ethyl methacrylate (HEMA) and their hydrophilic derivatives as the base monomer and adding at least one of 1,4 - butane diol diacrylate (BDDA) and Ethylene glycol dimethyl acrylate (EGDMA) as crosslinking agent; (b) Incorporation of biomolecules like Heparin, Hyaluronic acid, Antithrombin-III, Chitosan, Albumin and Collagen in these compositions; (c) Adding further 2-(2-hydroxy-3 methallyl-5-methyl phenyl benzotriazole as anti-oxidants and antimicrobial agents like Cloramphenicol, Gentamycin ,and Neomycin; and (d) Polymerization the composition, so obtained in step (c), by gamma irradiation using dose of 10-50 kGy, more specifically 20 kGy-40 kGy.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2214/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A BIO-COMPATIBLE COMPOSITION BASED ON HYDROPHOBIC POLYMERIC MATERIAL FOR PRODUCING INTRAOCULAR LENS AND A METHOD OF PREPARATION THEREOF

(51) International classification	:A01J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SHIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, (AN INDIAN INSTITUTE);</b>
(32) Priority Date	:NA	Address of Applicant :19, UNIVERSITY ROAD, DELHI-110
(33) Name of priority country	:NA	007, INDIA
(86) International Application No	:NA	<b>2)INDIAN COUNCIL OF MEDICAL RESEARCH</b>
Filing Date	:NA	
(87) International Publication No	:NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)TRIPTI SHARMA</b>
Filing Date	:NA	<b>2)RAM SANKAR HALDAR</b>
(62) Divisional to Application Number	:NA	<b>3)UTPAL KUMAR NIYOGI</b>
Filing Date	:NA	<b>4)RAKESH KUMAR KHANDAL</b>

(57) Abstract :

A biocompatible composition based on hydrophobic polymeric material for producing intraocular lens and a method of preparation thereof comprising the step of: (a) Mixing of monomers selected at least one from Hydroxy ethyl acrylate (HEA) and Hydroxy ethyl methacrylate (HEMA) and their hydrophilic derivatives with aqueous solution of biomolecules selected at least one from Heparin, Hyaluronic acid, Antithrombin-III, Chitosan, Albumin and Collagen; (b) Adding hydrophobic monomer phenyl ethyl acrylate (PEA), phenyl ethyl methacrylate (PEMA) and crosslinking agents selected at least one from 1,4- butane diol diacrylate (BDDA) and Ethylene glycol dimethyl acrylate (EGDMA); (c) Adding further antioxidant 2-(2-hydroxy-3 methallyl-5-methyl phenyl) benzotriazole and antimicrobial agents like Cloramphenicol, Gentamycin , Neomycin; and (d) Polymerization by gamma irradiation the composition, so obtained in step (c), using dose of 10-50 kGy, more specifically 20 kGy-40 kGy.

No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2218/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MECHANICAL SUN TRACKING SYSTEM

(51) International classification	:B26F
(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)VISHAL BHASIN

Address of Applicant :E-23, S-2, DILSHAD COLONY,  
MAIN ROAD, DELHI-110095 India

(72)Name of Inventor :

1)VISHAL BHASIN

(57) Abstract :

A Mechanical sun tracking system for tracking of sun is obtained only by mechanical means with solar panel base plate mounted on frames, linked from two ends with one side connecting rod having piston and the other side is linked with the frame or stand fixed to ground. The condition that a piston should be float over the working fluid which is placed in the inner container that can be fixed inside the outer container at the centre of it for portable design. Both the containers attached by two pipes. Outlet pipe for discharge and the other inlet pipe as fluid will be supplied to the inner container by the help of this pipe using fluid pump. An angular motion is obtained which is the desired motion as the discharge valve releases the fluid, the fluid level inside the inner container started to decrease moving the piston as moves the solar cells adjusted automatically at optimal angle at each time according to the sun movement. The solar tracker follows the sun throughout the day to the desired angle on tracking large amount of sun rays fall on the solar panel.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2220/DEL/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : SHAPE PRESERVING TRANSFORMATIONS FROM ZNO AND CU2O TO TIO2 BY TiCL4 TREATMENT

(51) International classification

:A61K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)COUNCIL OF SCIENTIFIC & INDUSTRIAL  
RESEARCH

Address of Applicant :ANUSANDHAN BHAWAN, RAFI  
MARG, NEW DELHI - 110001 India

(72)Name of Inventor :

- 1)SUBAS KUMAR MUDULI
- 2)VIVEK VISHNU DHAS
- 3)ONKAR SHARAD GAME
- 4)ASHISH PRABHAKAR YENGANTIWAR
- 5)ABHIK BANERJEE
- 6)SATISHCHANDRA BALAKRISHNA

(57) Abstract :

Discloses a shape preserving chemical transformation of ZnO mesostructures into anatase TiO<sub>2</sub> mesostructures using controlled low temperature TiCl<sub>4</sub> treatment for optoelectronic applications.

No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2224/DEL/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : NATURAL SELECTIVE INHIBITORS OF MYCOBACTERIUM TUBERCULOSIS FROM LEUCAS STELLIGERS

(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)COUNCIL OF SCIENTIFIC & INDUSTRIAL  
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Address of Applicant :ANUSANDHAN BHAWAN, RAFI  
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(72)Name of Inventor :

1)SWATI PRAMOD JOSHI  
2)ROSHAN RAJAN KULKARNI  
3)KETKI DILIP SHURPALI  
4)SAMPA SARKAR  
5)DHIMAN SARKAR

---

(57) Abstract :

This invention relates to the diterpenes belonging to labdane class from Leucas stelligera. The invention also discloses the Mycobacterium inhibition activity of diterpenes from Leucas stelligera.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2228/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : HERBICIDAL COMPOSITION FOR FIELD CROPS

(51) International classification	:A01N
(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)CRYSTAL PHOSPHATES LTD.**

Address of Applicant :G1/17, INDUSTRIAL AREA, G. T.  
KARNAL ROAD, AZADPUR, DELHI-110 033, INDIA

(72)Name of Inventor :

**1)N. K. AGGARWAL**

(57) Abstract :

The subject matter of the invention relates to a broad spectrum herbicidal composition comprising of synergistically effective combination of compound belonging to the Sulfonylurea and Triazinone chemical class of compounds. The composition exhibits excellent herbicidal properties and is capable of controlling major weeds in the sugarcane crop. The composition is highly effective in low doses and is also environment friendly.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2229/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PROCESS FOR THE PRODUCTION OF A MOLDED DOSAGE FORM

(51) International classification	:A61K
(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)RANBAXY LABORATORIES LIMITED**

Address of Applicant :12TH FLOOR, DEVIKA TOWER, 6,  
NEHRU PLACE, NEW DELHI-110019, INDIA

(72)Name of Inventor :

**1)SHAVEJ AHMAD**

**2)VARINDER KUMAR**

**3)ROMI BARAT SINGH**

(57) Abstract :

The present invention relates to a process for the production of a molded dosage form comprising a drug and a pharmaceutically acceptable excipient. The said process is capable of producing molded dosage form on an efficient continuous system and can be used for production of both immediate release and extended release dosage forms.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2231/DEL/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : FENUGREEK SEED POWDER AS NOVEL DILUENTS IN TABLET FORMULATION OF GLICLAZIDE.

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GAURAV SWAMI
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF PHARMACEUTICS, C.T. INSTITUTES OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES , VILL: SHAHPUR, P.O: UDOPUR, JALANDHAR (PUNJAB) 144001 INDIA.
(86) International Application No	:NA	2)KOSHY MAMMAN KYMONIL
Filing Date	:NA	3)HITESH KULHARI
(87) International Publication No	:NA	4)MARY KOSHY
(61) Patent of Addition to Application Number	:NA	5)DEEP POOJA
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)GAURAV SWAMI
Filing Date	:NA	2)KOSHY MAMMAN KYMONIL
		3)HITESH KULHARI
		4)MARY KOSHY
		5)DEEP POOJA

(57) Abstract :

The objective of this invention was to explore the some properties of Fenugreek seeds to be used as pharmaceutical excipient. As the newer anti-diabetic drugs have very low dose (Glipizide, Glimepiride and Gilbenclamide etc) so the development of tablet formulations require a high amount of diluents. Fenugreek seeds have been found to have anti-diabetic action also. On the basis of this background, this research work was to engineer the Fenugreek seeds as diluents especially for anti-diabetic preparations. Fenugreek seed were converted into moderately fine to fine powder and was characterized for powder characteristics, essential for pharmaceutical diluents. The compatibility of the Fenugreek seed powder with the drug and other excipients was confirmed with FTIR and DSC studies. Formulation development with some anti-diabetic drugs is under research.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2232/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ECO-FRIENDLY VEHICLES

(51) International classification

:B27D

(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)PANKAJ KUMAR**

Address of Applicant :RAMESH KUMAR, S/O AMARNATH BANSAL, HOUSE NO. 92 NEAR DR SHIVJI RAM MP COLLEGE ROAD, MANDI DABWALI, DIST SIRSA, PIN 125104 Haryana India

**2)SOURABH**

(72)Name of Inventor :

**1)PANKAJ KUMAR**

**2)SOURABH**

(57) Abstract :

The material used are motors, batteries, set of wheels, pulleys, belt, are assemble together as shown in fig. 1 on page no. 5. And the complete circuit diagram of vehicle is shown in fig. 2 on page no. 6. The design of vehicles as shown on page number 5 do not require any external fuel source like petrol, Diesel, lpg, cng etc. It is an induction based vehicle which charge its battery itself while moving. This cut the cost of fuels Which is hiking day by day and make its very difficult for a common man to afford it. Also it cuts the use of non-renewable sources of energy which are depleting day by day. These are pollution less and will cause no damage to environment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2205/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A MACHINE FOR FOLDING FABRIC AUTOMATICALLY

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(51) International classification	:B23B	(71) <b>Name of Applicant :</b> <b>1)JHAKARWAR PRASHANT</b> Address of Applicant :ADARSH NAGAR, STREET NO. 10, FIROZABAD-283203, Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)JHAKARWAR PRASHANT</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

An automatic fabric folding machine (1) for folding long unmeasured fabric mainly comprises of base unit, control unit, feeding unit, fabric holding unit, moving unit, tackle holding unit, sliding unit and sliding unit. In particular, the present automatic fabric folding machine (1) is easily installable, economic, compact, highly accurate and flexible which automatically folds long unmeasured fabric plates to measured fabric plates by zigzag movement without any technical assistance or expertise and which requires least manpower.

No. of Pages : 47 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2206/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A METHOD AND SYSTEM FOR VIEWERSHIP MEASUREMENT OF BROADCAST COMMERCIAL ADVERTISEMENTS

(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)ANJANI KUMAR GUPTA**

Address of Applicant :D-144, KAMLA NAGAR, AGRA-282004 Uttar Pradesh India

(72)Name of Inventor :

**1)ANJANI KUMAR GUPTA**

(57) Abstract :

This invention relates to automatic short-listing of channels and programs for broadcast the commercial advertisements of commercial advertisements, particularly to provide a list of channels and programs in which the advertiser has the greatest probability of successful broadcast the commercial advertisements.

No. of Pages : 48 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2207/DEL/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : WRITING APPLIANCE

(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)RANI GARIMA**

Address of Applicant :SHANTINAGAR, NR. BANK OF INDIA, PANDRA BRANCH, PO. HEHAL, RATU ROAD, RANCHI-834005, JHARKHAND, INDIA

**2)RANI HINA**

**3)NA**

(72)Name of Inventor :

**1)RANI GARIMA**

**2)RANI HINA**

(57) Abstract :

A writing appliance, including a selectively operable and detachable fan, said appliance comprises: tubular writing component encased in said writing appliance, said writing component having an operative distal end and an operative proximal end for handling said appliance, with a connecting tube, there-between; a fan component having a plurality of fan blades, said fan component being fitted at said distal end at a point of distally located perforation; said connecting tube adapted to be removable engageable to engage or disengage said fan component with respect to said writing component; said fan component.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/03/2011

(21) Application No.591/DEL/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : RAIL EXPANSION JOINT AS 'LL SHAPE RAIL ENDS'

(51) International classification

:B61D

(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

(57) Abstract :

The present invention relates to a method in which gap provision for longitudinal displacement is increased at rail joint as LL shape rail ends but actually gap is eliminated between rail ends because a system to parallel transfer of wheel load from one rail end to connecting rail end has been provided. Hence the rail expansion joint as LL shape rail ends with U on U plate provides an even surface on top of rails head at rail joint for passing of the wheels smoothly from one rail end to connecting rail end without any jerk.

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

(71)Name of Applicant :

**1)RAM ASRAY**

Address of Applicant :18 E/7 KARAMAT KI CHOWKI,  
KARELI, ALLAHABAD, PIN-211016 Uttar Pradesh India

(72)Name of Inventor :

**1)RAM ASRAY**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6835/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : BATTERY ELECTRODE AND METHOD FOR MANUFACTURING SAME

(51) International classification	:H01M 4/20
(31) Priority Document No	:61/155,763
(32) Priority Date	:26/02/2009
(33) Name of priority country	:U.A.E.
(86) International Application No Filing Date	:PCT/US2009/065108 :19/11/2009
(87) International Publication No	:WO 2010/098796
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)JOHNSON CONTROLS TECHNOLOGY COMPANY**  
Address of Applicant :912 E. 32ND STREET, HOLLAND,  
MI 49423, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

- 1)DENNIS A.WETZEL**
- 2)RAMACHANDRAN SUBBARAMAN**
- 3)CHRISTOPHER P. KANIUT**
- 4)WILLIAM J. ROSS**
- 5)ANNETTE HOLBROOK**
- 6)JEROME R. HEIMAN**
- 7)ERIC A.SATTLER**
- 8)DERRICK L.JENNINGS**
- 9)DONALD HENNESSEY JR.**

(57) Abstract :

A battery electrode with a pasting textile, fabric, or scrim made with an electrode grid (e.g., a stamped grid or expanded metal grid) coated in battery electrode and covered with pasting textile formed of a bonded, non-woven fiber web. The web is formed from one or more fibers with an average length greater than 20 µm. In various embodiments, the web is formed from one or more spun, continuous fibers. The battery electrode may be made in a continuous process where multiple grids are formed in a single sheet, coated with electrode active material, and the scrim before being cut into individual electrodes.

No. of Pages : 40 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6836/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PREVENTION OF AORTIC VALVE FUSION

(51) International classification	:A61M 1/10
(31) Priority Document No	:12/394,185
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025539
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/099411
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)THORATEC CORPORATION**

Address of Applicant :6035 STONERIDGE DRIVE,  
PLEASANTON, CALIFORNIA 94588, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)VICTOR POIRIER**

(57) Abstract :

Materials and methods related to blood pump systems are described. These can be used in patients to, for example, monitor arterial pressure, measure blood flow, maintain left ventricular pressure within a particular range, avoid left ventricular collapse, prevent fusion of the aortic valve in a subject having a blood pump, and provide a means to wean a patient from a blood pump.

No. of Pages : 40 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/09/2011

(21) Application No.6820/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR OPERATING A HYDRAULIC OR PNEUMATIC SYSTEM

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(51) International classification	:B60T 17/02
(31) Priority Document No	:10 2009 012 787.9
(32) Priority Date	:13/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001518
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/102812
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)VOITH PATENT GMBH**

Address of Applicant :ST. POLTENER STR. 43, 89522  
HEIDENHEIM GERMANY(DE)

(72)**Name of Inventor :**

**1)MAYER, ANDREAS - NICOLAS**

**2)BETZ, JURGEN**

**3)FICK, MIRCO**

**4)BISCHOFF, MARKUS**

**5)SCHERER, ROLAND**

---

(57) Abstract :

A method is used for operating a hydraulic or pneumatic system. The system has at least one pressure accumulator. At least one valve device and one sensor for at least indirectly detecting the setting of the valve device and/or at least one sensor for detecting a value which is at least indirectly related to the pressure on the side of the valve device facing away from the pressure accumulator are provided in the system. In the method, a value is detected using at least one of the sensors. The detected value or values is compared to reference values according to the invention. A malfunction of the system and/or the pressure in the area of the system which is on the side facing away from the sensor for detecting a value which is at least indirectly related to the pressure on the side of the valve device facing away from the pressure accumulator is determined on the basis of a correspondence and/or a difference of the value or values and the reference values.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/09/2011

(21) Application No.6823/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS OF 6 - OXO - 6, 7, 8, 9, 10, 11 - HEXAHYDROCYCLOHEPTA [C] CHROMEN - 3 - YL SULPHAMATE

(51) International classification	:C07D 311/94	(71)Name of Applicant :
(31) Priority Document No	:0900655	1)IPSEN PHARMA S.A.S.
(32) Priority Date	:13/02/2009	Address of Applicant :65, QUAI GEORGES GORSE, F - 92100 BOULOGNE - BILLANCOURT, FRANCE
(33) Name of priority country	:France	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/FR2010/000117 :12/02/2010	1)MONDOLY, NATHALIE 2)POIROT, BERTRAND 3)BROCHARD, ANNE 4)RICHARD, JOEL 5)DELAHAYE, DELPHINE 6)DIOLEZ, CHISTIAN 7)ROLLAND, ALAIN 8)DIANCOURT, FRANCIS 9)COQUEREL, GERARD 10)MARTINS, DAMIEN 11)LINOL, JULIE 12)HOUSSIN, OPHELIE 13)PETIT, MARIE - NOELLE 14)POTTER, BARRY, VICTOR, LLOYD 15)WOO, LOK, WAI, LAWRENCE
(87) International Publication No	:WO 2010/092260	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a solid pharmaceutical composition including the active principle 6-oxo-6,7,8,9,10,11-hexahydrocyclohepta[c]chromen-3-yl sulfamate. The present invention also relates to polymorphs of the 6-oxo-6,7,8,9,10,11-hexahydrocyclohepta[c]chromen-3-yl sulfamate compound.

No. of Pages : 95 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6850/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : LIPOSOME COMPOSITION

(51) International classification	:A61K 31/357
(31) Priority Document No	:2009-082521
(32) Priority Date	:30/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055770
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/113984
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)EISAI R&D MANAGEMENT CO. LTD.**

Address of Applicant :6-10, KOISHIKAWA 4-CHOME,  
BUNKYO-KU, TOKYO 112-8088, JAPAN

(72)Name of Inventor :

**1)KIKUCHI HIROSHI**

**2)HYODO KENJI**

**3)ISHIHARA HIROSHI**

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(57) Abstract :

The present invention provides a novel liposome composition containing eribulin or its pharmacoologically permissible salt, and its method of manufacture.

No. of Pages : 56 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6851/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : COMPATIBILIZED ELECTROLYTE FORMULATIONS

(51) International classification	:A61K 47/00
(31) Priority Document No	:61/158,100
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/026202 :04/03/2010
(87) International Publication No	:WO 2010/102102
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

**1)SYNGENTA PARTICIPATIONS AG**

Address of Applicant :SCHWARZWALDALLEE 215, CH-4058 BASEL SWITZERLAND.

**2)SYNGENTA LIMITED**

<b>(72)Name of Inventor :</b>
<b>1)RAMSAY JULIA LYNNE</b>
<b>2)STOCK DAVID</b>
<b>3)BELL GORDON ALASTAIR</b>
<b>4)SCREPANTI CLAUDIO</b>
<b>5)MILN COLIN DOUGLAS</b>
<b>6)AGBAJE HENRY EBUN</b>
<b>7)RAMACHANDRAN RAVI</b>
<b>8)JONES III CHARLES A.</b>

**(57) Abstract :**

The invention includes aqueous compatibilized pesticidal formulations and methods of making them. In typical embodiments, formulations comprise a first electrolytic pesticide and a second electrolytic pesticide, and about 30 to about 300 g/L of at least one alkyl polyglycoside. The invention also includes methods of preparing pesticidal formulations to increase the concentration of the electrolytic pesticides. The invention also includes storage and transport systems containing formulation embodiments. The invention also includes methods inhibiting pests.

No. of Pages : 31 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6853/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CONTROLLER FOR INTERNAL COMBUSTION ENGINE

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(51) International classification	:F02M 37/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2009/055910
Filing Date	:25/03/2009
(87) International Publication No	:WO 2010/109599
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1, TOYOTA-CHO, TOYOTA-SHI,  
AICHI-KEN, 471-8571 JAPAN

(72)Name of Inventor :

1)MIYAGAWA HIROSHI

2)KOIKE MAKOTO

(57) Abstract :

An internal combustion engine (10) utilizes, as a fuel, ammonia and gasoline (combustion-supporting fuel) for promoting combustion of ammonia. Ammonia is injected from an ammonia injector (22) into an intake pipe (20), and gasoline is injected from a gasoline injector (24) into the intake pipe (20). An electronic control unit (40) for control of driving of the ammonia injector (22) and the gasoline injector (24) changes the distribution of injection of ammonia and combustion-supporting fuel according to the change of any one or both of the rotation speed and the load of the internal combustion engine (10).

No. of Pages : 28 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6854/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : BENZOFURANYL DERIVATIVES USED AS GLUCOKINASE INHIBITORS

(51) International classification	:C07D 405/14
(31) Priority Document No	:61/159,099
(32) Priority Date	:11/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/050943
Filing Date	:04/03/2010
(87) International Publication No	:WO 2010/103437
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PFIZER INC.

Address of Applicant :235 EAST 42ND STREET, NEW YORK 10017 UNITED STATES OF AMERICA

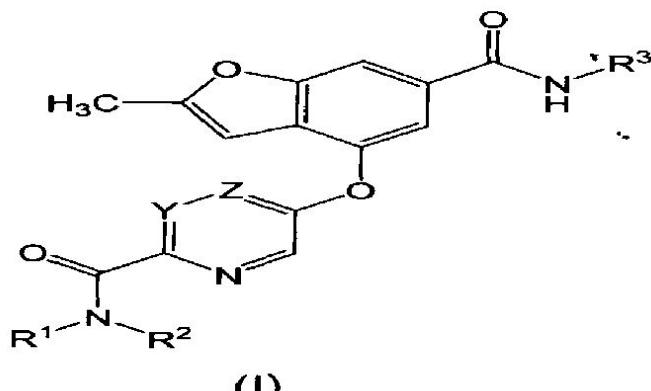
(72)Name of Inventor :

1)LING ANTHONY LAI

2)PFEFFERKORN JEFFREY ALLEN

(57) Abstract :

The present invention provides compounds of Formula (I) that act as glucokinase activators; pharmaceutical compositions thereof; and methods of treating diseases, disorders, or conditions mediated by glucokinase.



No. of Pages : 48 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/09/2011

(21) Application No.6825/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : AN ELECTRONIC EQUIPMENT CABINET

(51) International classification	:H05K 5/00
(31) Priority Document No	:2009900605
(32) Priority Date	:13/02/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2009/001433
Filing Date	:05/11/2009
(87) International Publication No	:WO 2010/091448
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)COOL DOOR PTY. LTD.

Address of Applicant :OF 7 CONSTELLATION WAY,  
WYNNUM NORTH, QUEENSLAND 4178, AUSTRALIA,

(72)Name of Inventor :

1)GEE, BERNARD MICHAEL

2)VOSPER, SHAUN ANDREW

(57) Abstract :

There is provided an electronic equipment cabinet including a cabinet carcass (15) mounting fan cooled equipment (16) venting to the cabinet rear. A hinged front closure assembly (11) includes a frame (14) and an outer filter and perforated metal screen assembly on the outer face of the frame, and a lower condensation trap (20). The frame 14 supports an evaporator assembly (11) connected to a remote compressor/condenser assembly (not shown). The evaporator assembly includes a combined dew point sensor and thermostat (13). A non-woven filter web (19) acts a micro-droplet catcher on the inner face of the door assembly.

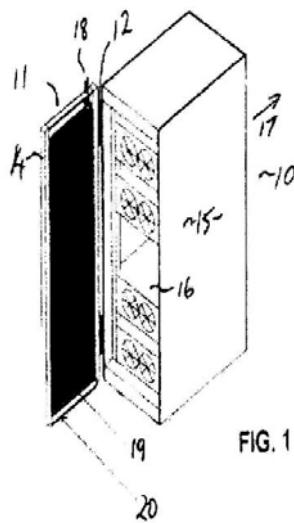


FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6829/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR THE COMBINED PREPARATION OF OILS AND ACTIVATED CARBONS FROM OLEAGINOUS PLANTS

(51) International classification	:C01B 31/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0951500	<b>1)ARKEMA FRANCE</b>
(32) Priority Date	:11/03/2009	Address of Applicant :420, RUE D'ESTIENNE D'ORVES, F-92700 COLOMBES, FRANCE
(33) Name of priority country	:France	
(86) International Application No	:PCT/FR2010/050415	(72) <b>Name of Inventor :</b>
Filing Date	:11/03/2010	<b>1)JEAN-LUC DUBOIS</b>
(87) International Publication No	:WO 2010/103239	<b>2)DOMINIQUE PLEE</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for the combined preparation of oils and activated carbons from oleaginous plants, in particular non-food plants, such as, for example, castor bean or Jatropha, for the preparation of activated carbon. The invention also relates to the method for preparing activated carbon from these oil cakes, as well as to the uses of the resulting activated carbon.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/03/2011

(21) Application No.683/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SKINNING APPARATUS AND A PROCESS THEREOF

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(51) International classification	:A23N
(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)Dar Mushtaq Ahmad**

Address of Applicant :R/o Kreri Teh. Doru Dist Anantnag  
Jammu & Kashmir 192211 India.

(72)Name of Inventor :

**1)Dar Mushtaq Ahmad**

(57) Abstract :

The invention provides a skinning apparatus for peeling the skin and removing the kernel from a fruit with a shell, particularly drupes such as green walnuts and almonds. The invention also provides a process of peeling thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6884/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD AND APPARATUS FOR GENERATING SOFT BIT VALUES IN REDUCED-STATE EQUALIZERS

(51) International classification	:H03M 13/37	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/427,458	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:21/04/2009	Address of Applicant :SE-164 83 STOCKHOLM (SE)
(33) Name of priority country	:U.S.A.	Sweden
(86) International Application No	:PCT/IB2010/051757	(72) <b>Name of Inventor :</b>
Filing Date	:21/04/2010	1)CHEN, DAYONG
(87) International Publication No	:WO 2010/122510	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A demodulator is provided that functions as a reduced-state equalizer and produces reliable soft bit values. According to an embodiment, soft bit values are generated for a sequence of transmitted symbols using a demodulator by updating an M-state trellis managed by the demodulator response  $e$  to a transition from symbol time  $n-1$  to symbol time  $n$ , where  $M$  is a function of the number of bits per symbol in the sequence of transmitted symbols. Survivor metrics associated with the  $M$  states of the trellis are saved each symbol time so that the demodulator can calculate soft bit values with regard to transitions from symbol time  $n+D-1$  to symbol time  $n+D$ . The survivor metrics indicate the probability that each respective state represents the transmitted symbol associated with symbol time  $n+D-1$ . The trellis is traced back through to calculate soft bit values for a symbol detected at symbol time  $n-D$  based on survivor metrics saved for the  $M$  states at symbol time  $n-D$ .

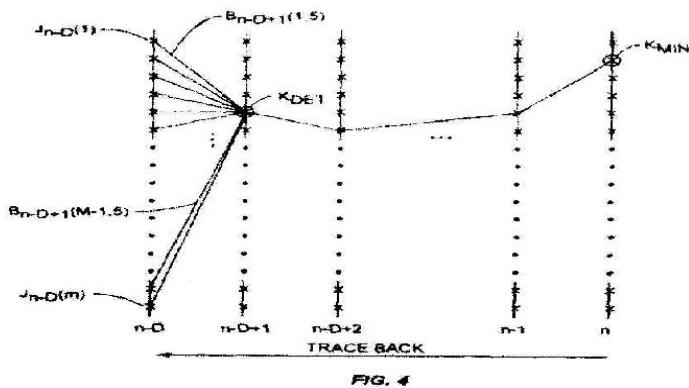


FIG. 4

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6888/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : LED MODULE FOR MODIFIED LAMPS AND MODIFIED LED LAMP

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(51) International classification	:H01L 33/48
(31) Priority Document No	:09154642.4
(32) Priority Date	:09/03/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/052459
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/102911
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)TRIDONIC JENNERSDORF GMBH

Address of Applicant :TECHNOLOGLEPARK 10, A-8380  
JENNERSDORF, AUSTRIA

(72)Name of Inventor :

1)PACHLER, PETER

(57) Abstract :

The invention relates to a LED lamp modified as a light bulb having an LED module that has a printed circuit board or an SMD carrier and a plurality of LED chips that are mounted on the board or the carrier, wherein a ball covering is arranged - that is, distributed or mounted on the LED chips and the surface of the board or the carrier that surround the LED chip - and wherein at least one LED chip emits blue light that is partially converted from a phosphor and wherein at least one LED chip emits a spectrum, preferably in the red spectrum, that is substantially not influenced by the phosphor.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6855/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ENGINE CONTROLLING DEVICE

(51) International classification	:B60W 10/06
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2009/054977
Filing Date	:10/03/2009
(87) International Publication No	:WO 2010/103667
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1, TOYOTA-CHO, TOYOTA-SHI,  
AICHI-KEN 4718571 JAPAN.

(72)Name of Inventor :

1)NAKAZONO HIDEKI

2)AKIHISA DAISUKE

(57) Abstract :

A hybrid type vehicle designed to use an engine (1) and motor generators (MG1, MG2) to drive the vehicle, wherein the engine (1) is provided with a variable compression ratio mechanism (A) and a variable valve timing mechanism (B). When the vehicle is backing up, one motor generator (MG2) is used to generate an output for vehicle drive use. If the engine (1) is made to operate at this time, the engine torque (Te) and the engine speed (Ne) are made to change along a minimum fuel consumption rate operation line K1.

No. of Pages : 63 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/08/2012

(21) Application No.6856/DELNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WEB MATERIALS (S) FOR ABSORBENT ARTICLES

(51) International classification

:A61F13/15

(31) Priority Document No

:61/303,184

(32) Priority Date

:10/02/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

The present disclosure, in part, relates generally to an absorbent article to be worn about the lower torso. The absorbent article comprises a chassis comprising a topsheet, a backsheet, an absorbent core disposed between the topsheet and the backsheet, and a pair of longitudinal barrier cuffs attached to the chassis. Each of the longitudinal barrier cuffs is formed of a web of material. The web of material comprises a first nonwoven component layer comprising fibers having an average diameter in the range of about 8 microns to about 30 microns, a second nonwoven component layer comprising fibers having an average diameter of less than about 1 micron, and a third nonwoven component layer comprising fibers having an average diameter in the range of about 8 microns to about 30 microns. The second nonwoven component layer is disposed intermediate the first nonwoven component layer and the third nonwoven component layer.

No. of Pages : 100 No. of Claims : 10

(71)Name of Applicant :

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)CHHABRA, RAJEEV

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6889/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ELECTROACTIVE POLYMER TRANSDUCERS FOR TACTILE FEEDBACK DEVICES

(51) International classification

:G06F 3/01

(31) Priority Document No

:61/158,806

(32) Priority Date

:10/03/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/026829

Filing Date

:10/03/2010

(87) International Publication No

:WO 2010/104953

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

**1)BAYER MATERIALSCIENCE AG**

Address of Applicant :51368 LEVERKUSEN, GERMANY

(72)Name of Inventor :

**1)SILMON JAMES BIGGS**

**2)ROGER NELSON HITCHCOCK**

**3)ILYA POLYAKOV**

**4)MARCUS A. ROSENTHAL**

**5)CHRIS A.WEABER**

**6)ALIREZA ZARRABI**

**7)MICHAEL MARCHEK**

---

(57) Abstract :

Electroactive transducers as well as methods of producing a haptic effect in a user interface device simultaneously with a sound generated by a separately generated audio signal and electroactive polymer transducers for sensory feedback applications in user interface devices are disclosed.

No. of Pages : 97 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2010

(21) Application No.689/DEL/2010 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : AN APPARATUS AND SYSTEM TO CONVERT ACOUSTIC SIGNALS TO VISUAL INFORMATION

(51) International classification	:H04R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)UPADHYAY MUKESH</b>
(32) Priority Date	:NA	Address of Applicant :A-152, SECTOR-A, SHASTRI NAGAR, JODHPUR, RAJASTHAN India
(33) Name of priority country	:NA	<b>2)TIKKIWAL GOPI CHAND</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)UPADHYAY MUKESH</b>
(87) International Publication No	:NA	<b>2)TIKKIWAL GOPI CHAND</b>
(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 of converting acoustic signals to visual information comprising of an acoustic signal generator, an acoustic transducer, an acoustic recorder capable of recording the acoustic signals, a time domain to frequency domain converter, an dominant Octave Note(s) identifier, an Octave Note frequency to visual frequency converter, a colour signal controller and a colour mixer connected to an output display device. The resultant colour display output is mathematically correlated with the produced sequence of Note(s)/ Sur of the respective Octave (Saptak) giving a psycho connect between what audience or viewer listens and visualize. A Colour of Raga/Dhun/Music/Acoustic Sound is displayed, such that the listener will have harmony of what he/she listens, and what he/she observes as colour of the same audible signal.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6894/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : GENERATION, EXPRESSION AND CHARACTERIZATION OF THE HUMANIZED K33N MONOCLONAL ANTIBODY

(51) International classification	:C07K 16/28
(31) Priority Document No	:61/158,885
(32) Priority Date	:10/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/JP10/054483
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/104208
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)GENE TECHNO SCIENCE CO., LTD.**

Address of Applicant :1, KITA-2JO-NISHI 9-CHOME,  
CHUO-KU, SAPPORO-SHI, HOKKAIDO, 0600002, JAPAN

**2)KAKEN PHARMACEUTICAL CO., LTD.**

**(72)Name of Inventor :**

**1)SHANKAR KUMAR**

**2)J. YUN TSO**

**3)NAOYA TSURUSHITA**

**4)TATSUHIRO HARADA**

---

**(57) Abstract :**

The present invention provides humanized antibodies that immuno specifically recognize human a9 integrin. Some of these antibodies inhibit the biological functions of the a9 integrin, thereby exhibiting therapeutic effects on various disorders or diseases that are associated with a9 integrin, including cancer, e.g., the growth and metastasis of a cancer cell, and inflammatory diseases, e.g., rheumatoid arthritis, osteoarthritis, hepatitis, bronchial asthma, fibrosis, diabetes, arteriosclerosis, multiple sclerosis, granuloma, an inflammatory bowel disease (ulcerative colitis and Crohn's disease), an autoimmune disease, and so forth.

No. of Pages : 108 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6837/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AXIAL CENTRIFUGAL COMPRESSOR WITH SCALABLE RAKE ANGLE

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(51) International classification	:F04D 29/30
(31) Priority Document No	:0951604
(32) Priority Date	:13/03/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/053057
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/103055
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)TURBOMECA**

Address of Applicant :AVENUE JOSEPH SZYDLOWSKI, F-64510 BORDES, FANCE

(72)**Name of Inventor :**

**1)GEOFFROY LOUIS HENRI BILLOTEY**

**2)JEAN-PHILIPPE OUSTY**

**3)NICOLAS ROCHUON**

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(57) Abstract :

A moving wheel for a centrifugal or mixed axial-centrifugal compressor of a turbomachine, comprising a base (2) on which a plurality of blades (3) extending between a leading edge (8) and a trailing edge (9) are fixed by their feet (6), said trailing edge being inclined at the foot (6) of the blade (3) by a slope angle  $\alpha$  with-respect to the meridian plane which passes through it at its foot, in the direction of rotation of said compressor . (1), characterized in that the trailing edge (9) has at the head (7) of the blade (3) a slope angle which is less than its slope angle  $\alpha$  at the blade foot.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6839/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : EJECTOR UNIT FOR A ROAD MILLING MACHINE OR THE LIKE

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(51) International classification	:E01C 23/088
(31) Priority Document No	:10 2009 014 729.2
(32) Priority Date	:25/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/052562
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/108760
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)WIRTGEN GMBH**

Address of Applicant :REINHARD-WIRTGEN-STR. 2,  
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(72)**Name of Inventor :**

**1)KARSTEN BUHR**

**2)THOMAS LEHNERT**

**3)STEFAN ABRESCH**

**4)CYRUS BARIMANI**

**5)GUENTER HAEHN**

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(57) Abstract :

The invention relates to an ejector unit, in particular for a road milling machine, having an ejector that is replaceably mounted on a carrier.

No. of Pages : 20 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2010

(21) Application No.684/DEL/2010 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A PROCESS FOR THE PRODUCTION OF OIL BEARING CHLORELLA SP. UTILIZING BY-PRODUCTS FO JATROPHA METHYL ESTER PRODUCTION FROM WHOLE SEEDS

(51) International classification	:F01D25/12;	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN , RAFI MARG, NEW DELHI-11001, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)GHOSH PUSHPITO KUMAR
Filing Date	:NA	2)MISHARA SANDHYA CHANDRIKA PRASAD
(87) International Publication No	:NA	3)UPADHYAY SUMESH CHANDRA
(61) Patent of Addition to Application Number	:NA	4)MISHRA SANJIV KUMAR
Filing Date	:NA	5)PANCHA IMRAN
(62) Divisional to Application Number	:NA	6)SHRIVASTAV ANUPAMA VIJAY KUMAR
Filing Date	:NA	7)JAIN DEEPTI
		8)SHETHIA BHUMI
		9)MAITI SUBARNA
		10)ZALA KRUSHNA DEV SINH SUKHDEVSINGH
		11)GANDHI MAHESH RAMNIKLAL

(57) Abstract :

The present invention provides a simpler and more energy efficient process for the preparation of marine microalgae Chlorella fatty acid methyl ester (CME) from hydrolysate of deoiled cake of Jatropha (JOCH) and crude glycerol co-product stream (GL7and GL8) (US pre-grant publication No is 2006/ 0080891 A1) (1838/DEL/2009 dated 7 Sept 2009) along with seawater diluted with tap water (1:2). A small part of the crude glycerol layer in case of JME is processed to recover glycerol for the purpose of glycerol washing and the otherwise problematic still bottom is utilized for microbial synthesis of PHAs and the rest is utilized for Microalgal conversion of JME byproducts into CME .The remaining part of the methanol-depleted glycerol layer is utilized, along with hydrolysate of the Jatropha deoiled cake(JOCH), for single-stage Microalgal production of lipids by a marine Microalgal isolate[Chlorella sp.) without the need for any other nutrients. Waste streams from the microalgal processes can be discharged directly into agricultural fields as biofertilizer or recycled back in the mass cultivation.

No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6869/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ANTIDIABETIC MEDICATIONS

(51) International classification	:A61K 31/55	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09152869.5	<b>1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH</b>
(32) Priority Date	:13/02/2009	Address of Applicant :BINGER STR. 173, 55216 INGELHEIM AM RHEIN, GERMANY
(33) Name of priority country	:EUROPEAN UNION	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/051817	<b>1)EVA ULRIKE GRAEFE-MODY</b>
Filing Date	:12/02/2010	<b>2)HANS-JUERGEN</b>
(87) International Publication No	:WO 2010/092163	
(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 antidiabetic medications which are suitable in the treatment or prevention of one or more conditions selected from type 1 diabetes mellitus, type 2 diabetes mellitus, impaired glucose tolerance and hyperglycemia, inter alia. In addition the present invention relates to methods for preventing or treating of metabolic disorders and related conditions.

No. of Pages : 89 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/03/2011

(21) Application No.690/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TWO MAIN COMPONENT MOLECULES: MAHANINE AND MAHANIMBINE (DEHYDROXY MAHANINE) FROM MURRAYA KOENIGII FOR THE TREATMENT IN GLIOBLASTOMA AND CERVICAL CARCINOMA AND MAHANIMBINE EXHIBITS BROAD SPECTRUM OF ANTI CANCER ACTIVITY

(51) International classification	:A61K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

**(71)Name of Applicant :**

**1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**

Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA.

**(72)Name of Inventor :**

- 1)CHITRA MANDAL**
- 2)BIKAS CHANDRA PAL**
- 3)KAUSHIK BHATTACHARYA**
- 4)SUMAN KUMAR SAMANTA**
- 5)SAYANTANI SARKAR**
- 6)RANJITA DAS**

**(57) Abstract :**

The present invention relates to two main components, mahanine and mahanimbine (dehydroxy-mahanine) from *Murraya koenigii* for the treatment of glioblastoma and cervical carcinoma. Mahanimbine exhibited anti-cancer activity against lymphoid leukemia, myeloid leukemia, glioma, cervical carcinoma, pancreatic, colon and lung cancers in nineteen cells of different genetic status. C-3 hydroxy and NH groups are responsible contributing groups for their cytotoxicity. Mahanine reduced the doses of cisplatin and paclitaxel in cervical cancer showing better efficacy and useful as an adjunct chemotherapeutic agent to reduce toxicity these two drugs. A new cheap process for this preparation was established. EtOAc extract containing alkaloids enriched with mahanimbine and mahanine, is active against glioma and cervical cancers. Mahanine is targeting the chaperone Hsp90 which led to the proteasome-dependent degradation of several Hsp90-client proteins in diverse carcinoma types, glioblastoma, cervical carcinoma and pancreatic adenocarcinoma irrespective of their tissue origins thereby killing the cancer cells.

No. of Pages : 50 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6842/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SALMONELLA ENTERICA PRESENTING C. JEJUNI N-GLYCAN OR DERIVATIVES THEREOF

(51) International classification	:C12N 1/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09004445.4	<b>1)EIDGENOESSISCHE TECHNISCHE HOCHSCHULE</b>
(32) Priority Date	:27/03/2009	<b>ZURICH</b>
(33) Name of priority country	:EPO	Address of Applicant :ETH TRANSFER, RAEMISTRASSE
(86) International Application No	:PCT/EP2010/001884	101, CH-8092 ZURICH, SWITZERLAND
Filing Date	:25/03/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/108682	<b>1)KARIN ILG</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MARKUS AEBI</b>
Filing Date	:NA	<b>3)UMESH AHUJA</b>
(62) Divisional to Application Number	:NA	<b>4)SABA AMBER</b>
Filing Date	:NA	<b>5)FLAVIO SCHWARZ</b>

(57) Abstract :

The present invention relates to Salmonella enterica comprising at least one pgl operon of Campylobacter jejuni or a functional derivative thereof and presenting at least one N-glycan of Campylobacter jejuni or N-glycan derivative thereof on its cell surface. In addition, it is directed to medical uses and pharmaceutical compositions thereof as well as methods for treating and/or preventing Campylobacter and optionally Salmonella infections and methods for producing these Salmonella strains.

No. of Pages : 36 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6846/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : NON-VALIDATED EMERGENCY CALLS FOR ALL-IP 3GPP IMS NETWORKS

(51) International classification	:B04W 4/22
(31) Priority Document No	:61/153,347
(32) Priority Date	:18/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/000309
Filing Date	:17/02/2010
(87) International Publication No	:WO 2010/095020
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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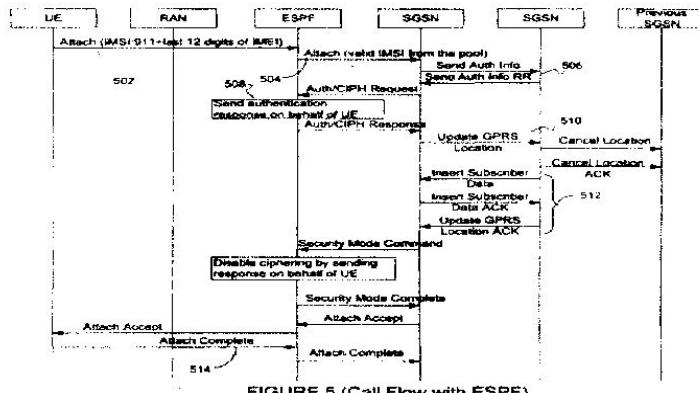
(72)Name of Inventor :

1)SAHIN, SERDAN

2)NGUYEN, STEVEN

(57) Abstract :

An emergency call in an all Internet Protocol (IP) network having GPRS access is able to be completed without a valid SIM. A valid Subscriber Identity Module is substituted for the missing or invalid SIM only when an emergency call is attempted. The emergency call is either sent via an IMSI from an embedded SIM provided by the UE making the emergency call, or the emergency call is modified with an IMSI substituted by an Emergency SIM Pool Function prior to being sent to the HLR for validation. The SIM is valid for the UE's emergency call so the emergency call is completed because the UE is considered validated by the network.



No. of Pages : 21 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6877/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SAFETY DEVICE FOR A HOLLOW MEDICAL NEEDLE

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(51) International classification	:A61M 5/32
(31) Priority Document No	:10 2009 020 061.4
(32) Priority Date	:06/05/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/002757
Filing Date	:05/05/2010
(87) International Publication No	:WO 2010/127846
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :CARL-BRAUN-STRAE 1 34212  
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(72)Name of Inventor :

**1)WOEHR KEVIN**

**2)RIESENBERGER HERMANN**

**3)LUGAN MEINRAD**

---

(57) Abstract :

The invention concerns a set for producing a threaded connection, comprising a first and a second tubular component with an axis of revolution (10), one of their ends (1,2) being provided with a threaded zone (3; 4) formed on the external or internal peripheral surface of the component depending on whether the threaded end is of the male or female type, said ends (1, 2) finishing in a terminal surface (7, 8) which is orientated radially with respect to the axis of revolution (10) of the tubular components, said threaded zones (3; 4) comprising threads (32; 42) comprising, viewed in longitudinal section passing through the axis of revolution (10) of the tubular components, a thread crest (35, 45), a thread root (36, 46), a load flank (30; 40) and a stabbing flank (31; 41), the width of the thread crests (35, 45) of each tubular component reducing in the direction of the terminal surface (7; 8) of the tubular component under consideration, while the width of the thread roots (36, 46) increases, characterized in that the lead of the male stabbing flanks and/or load flanks is different from the lead of the female stabbing flanks and/or load flanks. The invention also pertains to a threaded cormection.

No. of Pages : 33 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6903/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD OF MEASURING DILATATION OF COAL, METHOD OF ESTIMATING SPECIFIC VOLUME OF COAL, METHOD OF MEASURING ABILITY TO FILL INTER-PARTICLE SPACE, AND COAL BLEEDING METHOD

(51) International classification	:G01N 33/22
(31) Priority Document No	:2009-056920
(32) Priority Date	:10/03/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/001703 :10/03/2010
(87) International Publication No	:WO 2010/103828
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

**1)NIPPON STEEL CORPORATION**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME,  
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**(72)Name of Inventor :**

**1)SEIJI NOMURA**

**2)YOSHIMITSU TSUKASAKI**

**3)SATOSHI KOIZUMI**

**4)YUUJI ISHIHARAGUCHI**

**5)TAKASHI KAKIKI**

**6)YOHICHI AIHARA**

---

**(57) Abstract :**

A method of measuring a dilatation of a coal includes: charging a coal into a dilatometer tube; inserting a piston into the dilatation tube; heating the coal so that a rate of a temperature increase in the plastic stage of the coal is 6 °C/min or higher; measuring a displacement of the piston; and obtaining a dilatation of the coal from the displacement.

No. of Pages : 59 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6904/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : DEVICE AND METHOD FOR SIMULTANEOUSLY MICROSTRUCTURING AND DOPING SEMICONDUCTOR SUBSTRATES

(51) International classification	:B23K 26/14
(31) Priority Document No	:10 2009 011 308.8
(32) Priority Date	:02/03/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2010/000918 :15/02/2010
(87) International Publication No	:WO 2010/099862
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

- 1)KUNO MAYER**
- 2)INGO KROSSING**
- 3)CARSTEN KNAPP**
- 4)FILIP GRANEK**
- 5)MATTHIAS MESEC**
- 6)ANDREAS RODOFILI**

**(57) Abstract :**

The invention relates to a device and a method for simultaneous microstructuring and doping of semiconductor substrates with boron, in which the semiconductor substrate is treated with a laser beam coupled into a liquid jet, the liquid jet comprising at least one boron compound. The method according to the invention is used in the field of solar cell technology and also in other fields of semiconductor technology in which a locally delimited boron doping is important.

No. of Pages : 23 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6906/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : OIL-BASED PREPARATION CONTAINING ANTIPROTOZOAL TRIAZINES AND ANTHELMINTIC CYCLODEPSIPEPTIDES

(51) International classification	:A61K 9/10
(31) Priority Document No	:10 2009 012 423.3
(32) Priority Date	:10/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001396
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/102762
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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Address of Applicant :51368 LEVERKUSEN, GERMANY

(72)**Name of Inventor :**

**1)VENKATA-RANGARAO KANIKANTI**

**2)ACHIM HARDER**

**3)THOMAS BACH**

---

(57) Abstract :

The present invention relates to an oil-based preparation comprising a triazine which is active against parasitic protozoans and an anthelmintic cyclodepsipeptide, which preparation is particularly suitable for the oral application of the active substance combination in animals.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6907/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A PROCESS FOR PRODUCING A POLYOLEFIN-BASED RESIN MOLDED PRODUCT

(51) International classification	:C08L 23/00
(31) Priority Document No	:2003-432138
(32) Priority Date	:26/12/2003
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2004/019701
Filing Date	:22/12/2004
(87) International Publication No	:WO 2005/063874
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3397/DELNP/2006
Filed on	:13/06/2006

(71)Name of Applicant :

1)NEW JAPAN CHEMICAL CO., LTD.

Address of Applicant :13, YOSHIMIMA YAGURA-CHO,  
FUSHIMI-KU, KYOTO-SHI, KYOTO-SHI, KYOTO 612-8224  
JAPAN

(72)Name of Inventor :

1)MASAHIDE ISHIKAWA,

2)SUKEHIRO NIGA

(57) Abstract :

The present invention relates to a process for producing a polyolefin-based resin molded product, the process comprising incorporating into a polyolefin-based resin a polyolefin-based resin crystallization rate-controlling composition comprising: (A) at least one amide-based compound represented by General Formula (1) Wherein R1, R2 and k are such as hereinbefore described. (B) at least one fatty acid metal salt represented by General Formula (2) Wherein R3, n and M are such as hereinbefore described. The weight ratio of component (A): component (B) being from 95 : 5 to 30 : 70, or incorporating component (A) and component (B), simultaneously or separately, into a polyolefin-based resin such that the weight ratio of component (A) : component (B) is from 95:5 to 30:70 to thereby give a polyolefin-based resin composition, and molding the resin composition, wherein the resin composition is molded at a resin temperature higher than the transition temperature of storage modulus during heating, or the resin composition is molded at a resin temperature not lower than the melting temperature of the polyolefin-based resin and not higher than the transition temperature of storage modulus during heating.

No. of Pages : 189 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6908/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DECORATIVE BRICK MOULD FOR IN-SITU PRODUCTION ON BUILDING

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(51) International classification	:E04F 21/04
(31) Priority Document No	:200910047428.0
(32) Priority Date	:12/03/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/071437
Filing Date	:24/04/2009
(87) International Publication No	:WO 2010/102463
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)QIANGTE ENERGY-SAVING MATERIALS CO. LTD.**  
Address of Applicant :ROOM 2502, NO.24, LANE 666,  
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CHINA

(72)**Name of Inventor :**

**1)GUO, SILONG**

(57) Abstract :

A decorative wall tile mould for the in-situ production on a building, wherein the mould, which can be demoulded twice, is a sheet with pierced work, comprises the following detachable lateral structures: an insider layer: a bottom film is set at the bottom surface thereof, the bottom film and the building have a first combinative force; an outer layer: a surface film is set on the exterior surface thereof, a self-adhesive glue section is set up between the inside layer and the outer layer, which makes the outer layer and the inside layer have a second combinative force, and the second combinative force is less than the first combinative force. A method for the in-situ production of decorative patterns on a building is also provided.

No. of Pages : 34 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6909/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : VENTILATOR FOR RAPID RESPONSE TO RESPIRATORY DISEASE CONDITIONS

(51) International classification	:A61M 16/00
(31) Priority Document No	:61/151,443
(32) Priority Date	:10/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023792
Filing Date	:10/02/2010
(87) International Publication No	:WO 2010/093725
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)COOKE, RICHARD, HENRY

2)ONG, NICHOLAS

3)HAYS, ROY

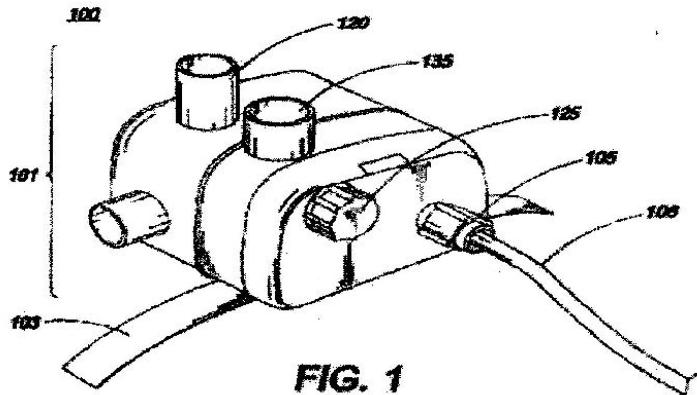
4)GILHAM JEFF

5)HINTON, DAVID, KEVIN

6)HERGERT, THEODORE, SCOTT

(57) Abstract :

The present specification discloses a ventilator system that can be manufactured quickly with minimal skill requirements and rapidly deployed in response to epidemic respiratory disease conditions. In one embodiment, the ventilator, having a minimal number of controls, is used to give ventilation or mechanical breathing to a patient suffering ARDS. The mechanical ventilation is based on pressure control and has variable pressure, breathing rate, and oxygenation. Preferably, the ventilator is rapidly deployable, easy and intuitive to operate, and capable of sustaining at least 75% of epidemic respiratory distress victims who require assisted ventilation until resuming normal breathing.



No. of Pages : 69 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6931/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : MODULAR BUILDING CONSTRUCTION ARRANGEMENT

(51) International classification	:B28B 7/22
(31) Priority Document No	:2009900521
(32) Priority Date	:10/02/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000123
Filing Date	:05/02/2010
(87) International Publication No	:WO 2010/091452
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)PRECAST MODULAR SOLUTIONS PTY. LTD.**

Address of Applicant :18 ROBERTSON STREET,  
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(72)**Name of Inventor :**

**1)FLOREANI, LEO TREVOR**

**2)FLOREANI, PAUL ANTHONY**

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(57) Abstract :

This invention relates to modular building construction apparatus and in particular to a mould hating movable framework used to construct a basic building module where any miss-alignment at the junction of framework elements is enough to make the imperfection noticeable. If the imperfection is a ridge it will be readily apparent on the inside surface of the formed building module and it will not be disguised by painting over it. What is disclosed is a movable corner arrangement for a mould for forming at least one of the inner corner surfaces of a mouldable building module. The inner mould for a mouldable building module has an upper support panel for forming the ceiling surface of the building module and a plurality of movable side walls that depend from the upper support panel using flexible peripheral edge elements. The side walls have mould facing side wall surfaces movable to a position to form corresponding internal wall surfaces of the mouldable building module. The movable side walls are movable inwards and away from their respective formed internal wall surfaces to release the formed building module from the inner mould. A movable corner arrangement is used to form the internal corners of the mouldable building module located between adjacent movable side walls. The movable corner arrangement includes a corner post having at least one side wall abutment surface; a corner post support coupling adapted to adjust the vertical and sideways position of, and verticality of the corner post with respect to the desired position of adjacent movable side walls such that the mould facing surface of the corner post is flush with the mould facing surface of respective adjacent movable side walls during the moulding process.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/03/2011

(21) Application No.694/DEL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A WATER MIST GUN□

(51) International classification	:A62C
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) □nternational Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

- 1)Jagdish Chander Kapoor**
- 2)Meenakshi Gupta**
- 3)Suresh Lal**
- 4)Sharad Dwivedi**
- 5)Pranay Matkar**

**(57) Abstract :**

The present invention provides mist gun for generation of a spray of mist for localized fire fighting. The mist gun present invention is very easy to operate with a trigger mechanism and having a weight of the gun is less than 1kg and can be operated by a person using one hand only keeping the other hand free. Beside the application in fire fighting, the fine spray from the gun can also be used as a portable system for spraying the fields on plants with insecticide/ chemical dissolved in water or for during irrigation of the plants where there is shortage of water.

No. of Pages : 29 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6961/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR PROVIDING A FLOW CONTROL VALVE FOR A MEDICAL DEVICE

(51) International classification	:A61M 25/06
(31) Priority Document No	:61/151,773
(32) Priority Date	:11/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/023899 :11/02/2010
(87) International Publication No	:WO 2010/093792
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)BECTON, DICKINSON AND COMPANY

Address of Applicant :1 BECTON DRIVE MAIL CODE 110  
FRANKLIN LAKES, NEW JERSEY 07417-1880 UNITED  
STATES OF AMERICA

(72)**Name of Inventor :**

1)MCKINNON, AUSTIN JASON

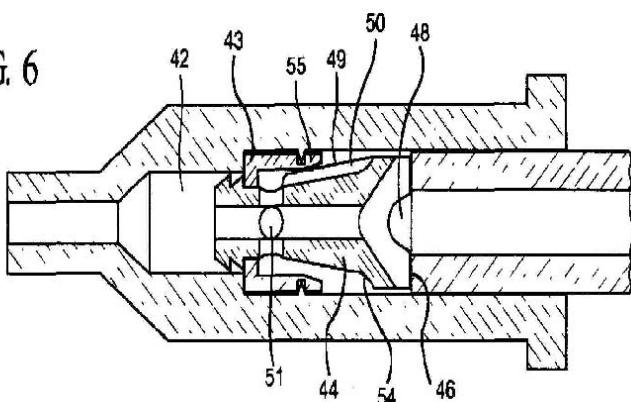
2)ISAACSON, S. RAY

3)STOUT, MARTY L.

(57) Abstract :

The present invention relates generally to a vascular access device having a septum (3) positioned within a lumen of the device, the device further having a pusher (4) for providing a fluid pathway through the septum. In particular, the present invention relates to systems and methods for improving flow of a fluid through the access device, while minimizing stagnation of fluids within the device. These systems and methods include various modified fluid pathways and interactions between the vascular access device body, the septum and the pusher.

FIG. 6



No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6964/DELNP/2011 A

(43) Publication Date : 08/02/2013

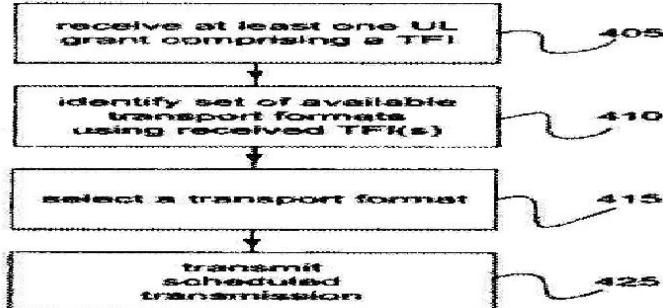
(54) Title of the invention : A METHOD AND APPARATUS FOR PERFORMING UPLINK TRANSMISSIONS IN A WIRELESS COMMUNICATIONS SYSTEM

(51) International classification	:H04W 74/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/172,322	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:24/04/2009	Address of Applicant :SE - 164 83 STOCKHOLM (SE)
(33) Name of priority country	:U.S.A.	Sweden
(86) International Application No	:PCT/SE2010/050064	(72) <b>Name of Inventor :</b>
Filing Date	:25/01/2010	1)WAGER, STEFAN
(87) International Publication No	:WO 2010/123430	2)SAGFORS, MATS
(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 methods and apparatus for performing uplink transmission in a wireless communications system. A mobile terminal is provided with a set of available transport formats by receiving at least one UL grant comprising a transport format indication pointing to one or more transport formats. The mobile terminal then selects a suitable transport format from the set, for example in dependence on propagation channel conditions, for transmission of a scheduled transmission.

**Fig. 4a**



No. of Pages : 70 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6918/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SUPERALLOY COMPONENT AND SLURRY COMPOSITION

(51) International classification	:C22C 19/00
(31) Priority Document No	:EP09005236
(32) Priority Date	:09/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/051922
Filing Date	:16/02/2010
(87) International Publication No	:WO 2010/115649
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SIEMENS AKTIENGESELLSCHAFT

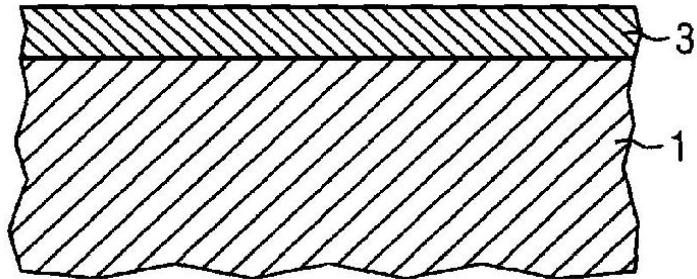
Address of Applicant :WITTELSBACHERPLATZ, 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

1)WALKER; PAUL MATHEW

(57) Abstract :

A slurry composition for aluminising a superalloy component is provided, wherein the slurry comprises an organic binder and a solid content including aluminium. The slurry further comprises hafnium and yttrium. In addition, a superalloy component (1) is provided which comprises an aluminide coating. The coating material comprises at least one layer (3) which comprises hafnium and yttrium in addition to aluminium. Fig: 1



**FIG:1**

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6947/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : HYDRODEWAXED HYDROCARBON FLUID USED IN THE MANUFACTURE OF FLUIDS FOR INDUSTRIAL, AGRICULTURAL, OR DOMESTIC USE

(51) International classification	:C10M 101/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:FR 09/01155	<b>1)TOTAL RAFFINAGE MARKETING</b>
(32) Priority Date	:12/03/2009	Address of Applicant :24, COURS MICHELET, F-92800 PUTEAUX, FRANCE
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2010/050426	<b>1)WESTELYNCK, ANTOINE</b>
Filing Date	:11/03/2010	<b>2)AUBRY, CHRISTINE</b>
(87) International Publication No	:WO 2010/103245	<b>3)WIESSLER, ACHIM</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Hydrocarbon fluid which can be used in the composition of industrial, agricultural and household products, with a pour point of less than -15°C according to ASTM standard D97, initial and final boiling points comprised between 200 and 450°C, containing more than 50% by weight of isoparaffins and naphthenes up to at most 40% by weight, and constituted by a mixture of hydrocarbons obtained by distillation of hydrodewaxed gas-oil cuts with a boiling point greater than 200°C.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6948/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SYSTEM AND METHOD FOR DEPLOYING AN ENDOLUMINAL PROSTHESIS AT A SURGICAL SITE

(51) International classification	:A61F 2/84
(31) Priority Document No	:61/160,052
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/027191 :12/03/2010
(87) International Publication No	:WO 2010/105195
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)BOLTON MEDICAL, INC.

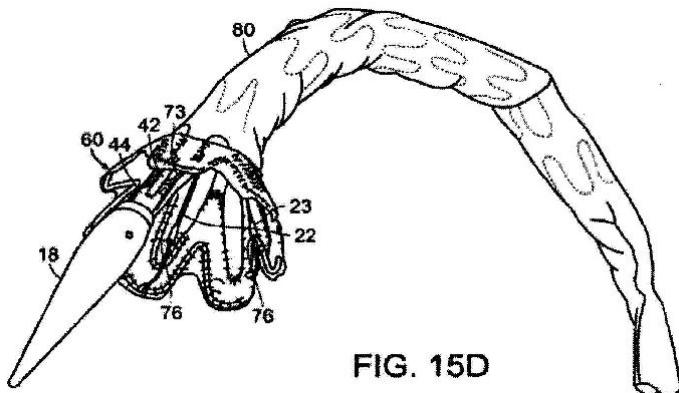
Address of Applicant :799 INTERNATIONAL PARKWAY,  
SUNRISE, FL 33325, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)ARBEFEUILLE, SAMUEL  
2)CHRISTIAN, FLETCHER  
3)MANGUNO, JOSEPH, A., JR.  
4)CANNING, JOHN, C.

(57) Abstract :

A system (10) for implanting a prosthesis includes a control lumen (12) and a nose cone (18) affixed at a distal end of the control lumen. At least one supporting wire (22, 23) is affixed at one end, is substantially parallel to a major axis of the control lumen and is free at an opposite end, wherein the free end (26, 27) of at least one of the supporting wires is arcuate. Alternatively, a system for implanting a prosthesis includes at least one suture (130) extending from a nose cone affixed to a distal end of a control lumen. The suture extends from the nose cone to a proximal end to a stent graft (128) extending about the control lumen and from the stent graft to a fixed location on the control lumen. The suture is releasable from the stent graft by remote activation, whereby the suture separates from the nose cone to thereby deploy the stent graft.



No. of Pages : 75 No. of Claims : 94

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6973/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND DEVICE FOR PREPARING HOT - ROLLING STOCK

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(51) International classification	:B21B 37/74
(31) Priority Document No	:A 564/2009
(32) Priority Date	:09/04/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/EP2010/053680
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/115698
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SIEMENS VAI METALS TECHNOLOGIES GMBH**  
Address of Applicant :TURMSTRASSE 44, 4031 LINZ,  
AUSTRIA

(72)Name of Inventor :

**1)GERALD HOHENBICHLER**  
**2)REINHARD KARL**

(57) Abstract :

The invention relates to a method and a device for preparing hot-rolling stock before shaping in a rolling stand or rolling relay. It is an object of the invention to provide a method and a device having high energy efficiency and high descaling performance, with which high-quality rolling stock can be produced. This object is achieved by a method in which the rolling stock is heated in an induction furnace and subsequently descaled, before the rolling stock is rolled in a rolling stand or rolling relay, wherein the heated rolling stock is descaled by at least one rotating water jet from a rotary descaler; then at least one temperature of the descaled rolling stock is respectively recorded by means of a temperature measuring instrument and delivered to a controller; and the controller determines at least one control parameter with the aid of a control rule and by taking into account a setpoint temperature, and delivers it to a control component, at least one inductor of the induction furnace being driven so that the temperature of the descaled rolling stock corresponds as far as possible to the setpoint temperature.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6895/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : ELECTRICAL POWER TRANSMISSION SYSTEM AND ELECTRICAL POWER OUTPUT DEVICE

(51) International classification	:H02J 17/00
(31) Priority Document No	:2009-063748
(32) Priority Date	:17/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053982
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/106948
(61) 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 :

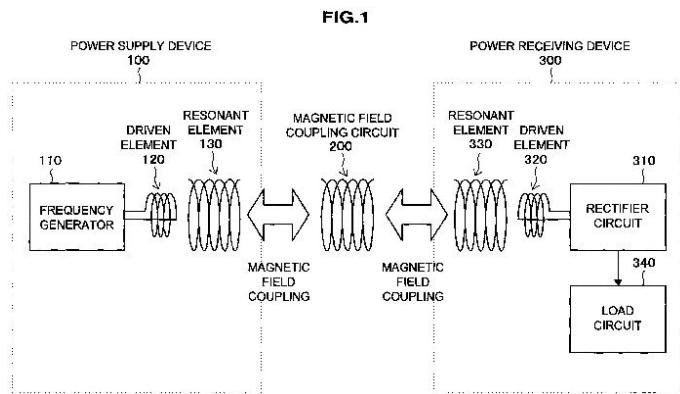
1)TAKAAKI HASHIGUCHI

2)HIROTSUGU WADA

3)KENICHI FUJIMAKI

(57) Abstract :

In an electrical power transmission system according to the present invention, a frequency generator outputs electrical power of an electrical signal having approximately the same frequency component as a resonant frequency of a resonant element to the resonant element via a driven element. The resonant element is an element having impedance and capacitance and generates a magnetic field by the electrical signal from the frequency generator. A magnetic field coupling circuit is a circuit having the same resonant frequency as the resonant element and becomes coupled by magnetic field resonance with the resonant element. The magnetic field coupling circuit causes magnetic field coupling even with another resonant element and transmits electrical power from the resonant element to the other resonant element. The other resonant element outputs electrical power transmitted through the magnetic field coupling circuit to a rectifier circuit via a driven element. Representative Drawing Fig. 1



No. of Pages : 48 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6897/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : OPTICAL RECORDING MEDIUM AND PROCESS FOR MANUFACTURING THE SAME

(51) International classification	:G11B 7/243
(31) Priority Document No	:2009-064958
(32) Priority Date	:17/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053955
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/106945
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO 1080075, JAPAN

(72)Name of Inventor :

1)TAKESHI MIKI

(57) Abstract :

The present invention provides an optical recording medium realizing reduced manufacturing cost of the optical recording medium. An optical recording medium 10 includes: a substrate 1; a recording layer 2 formed on the substrate 1, containing In, Sn, Pd, and oxygen, and containing oxygen atoms more than stoichiometric composition of the case where the In and the Sn are completely oxidized; and a light transmission layer 3 formed on the recording layer 2.

No. of Pages : 31 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6923/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PROCESS FOR PREPARING 3,3,3-TRIFLUOROPROPENE

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(51) International classification	:C07C 17/20
(31) Priority Document No	:0906191.2
(32) Priority Date	:09/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000725
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/116150
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)MEXICHEM AMANCO HOLDING S.A.D.E.C.V.**  
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(72)**Name of Inventor :**

**1)SHARRATT ANDREW PAUL**  
**2)MCGUINNESS CLAIRE**

(57) Abstract :

The invention provides a process for preparing 3,3,3-trifluoropropene (1243zf), the process comprising contacting a compound of formula CX<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>X or CX<sub>3</sub>CH=CH<sub>2</sub>, with hydrogen fluoride (HF) in the presence of a zinc/chromia catalyst, wherein each X independently is F, Cl, Br or I, provided that in the compound of formula CX<sub>3</sub>CH=CH<sub>2</sub>, at least one X is not F.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6979/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : IMMUNO - BASED RETARGETED ENDOPEPTIASE ACTIVITY ASSAYS

(51) International classification	:G01N 33/50
(31) Priority Document No	:61/160,217
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/027244
Filing Date	:12/03/2010
(87) International Publication No	:WO 2010/105236
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ALLERGAN, INC.**

Address of Applicant :2525 DUPONT DRIVE, T2 -7H,  
IRVINE, CALIFORNIA 92612, UNITED STATES OF  
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(72)**Name of Inventor :**

**1)JOANNE WANG**

**2)HONG ZHU**

**3)D. DIANE HODGES**

**4)ESTER FERNANDEZ - SALAS**

---

(57) Abstract :

The present specification discloses SNAP-25 immune response inducing compositions, methods of making  $\alpha$ -SNAP-25 antibodies that selectively binds to an epitope comprising a SNAP-25 having a carboxyl-terminus at the P1 residue of the BoNT/A cleavage site scissile bond,  $\alpha$ -SNAP-25 antibodies that selectively bind to an epitope comprising a SNAP-25 having a carboxyl-terminus at the P1 residue of the BoNT/A cleavage site scissile bond, methods of detecting retargeted endopeptidase activity, and methods of detecting neutralizing  $\alpha$ -re-targeted endopeptidase antibodies.

No. of Pages : 216 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6988/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : FIELD DEVICE WITH MEASUREMENT ACCURACY REPORTING

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(51) International classification	:G06F 19/00
(31) Priority Document No	:12/386,760
(32) Priority Date	:22/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001055
Filing Date	:08/04/2010
(87) International Publication No	:WO 2010/123540
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)ROSEMOUNT INC.**

Address of Applicant :12001 TECHNOLOGY DRIVE, EDEN PRAIRIE, MINNESOTA 55344 - 3695, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)LECUYER GREGORY JACQUES**

**2)WEHRS DAVID L.**

**3)KENT DAVID J.**

(57) Abstract :

A field device [10] includes a sensor [12] for sensing a process parameter, a processor [16] for producing a measurement value as a function of the sensed process parameter, and a communication interface [26] for transmitting an output based upon the measurement value. The processor [16] also calculates a measurement precision value associated with the measurement value.

No. of Pages : 17 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6926/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A NEW ADSORBER GRID DISTRIBUTOR BOX DESIGN

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(51) International classification	:B01D 15/18
(31) Priority Document No	:12/406,551
(32) Priority Date	:18/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023276
Filing Date	:05/02/2010
(87) International Publication No	:WO 2010/107524
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)UOP LLC**

Address of Applicant :25 EAST ALGONQUIN ROAD, P.O. BOX 5017, DES PLAINES, ILLINOIS 60017-5017, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)SUN, BING**

**2)SECHRIST, PAUL A.**

(57) Abstract :

An apparatus is presented for the mixing of a feed fluid with a process fluid between two adsorbent beds. The apparatus creates a space for mixing and redistributing a fluid mixture between the two adsorbent beds, where a process fluid is received from the upper adsorbent bed, and a distributor box passes the feed fluid to space between the adsorbent beds and mixes the feed fluid with the process fluid. The mixture is then redistributed and passed through to the lower adsorbent bed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.6930/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : TEMPERATURE ADJUSTMENT DEVICE

(51) International classification	:C09K 5/04
(31) Priority Document No	:61/165,161
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029317
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/117833
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

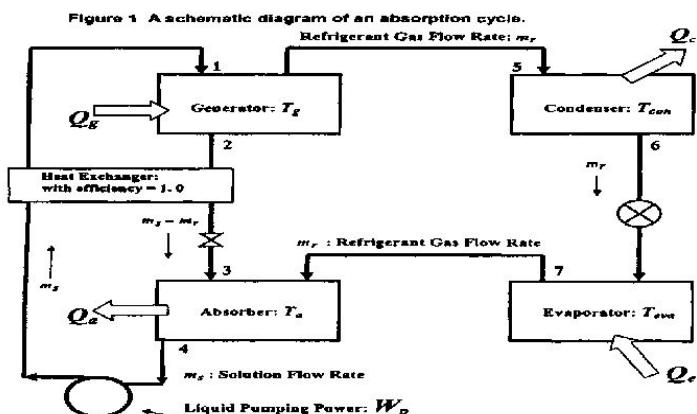
1)E.LDU PONT DE NEMOURS AND COMPANY  
Address of Applicant :1007 MARKET STREET,  
WILMINGTON, DELAWARE 19898, U.S.A

(72)Name of Inventor :

1)QUIGLEY, MEGAN  
2)SCIALDONE, MARK. A.

(57) Abstract :

This invention relates to a temperature adjustment device that executes an absorption cooling or heating cycle in which a lithium halide, typically a lithium bromide, absorbent is used.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6955/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TABLET AND GRANULATED POWDER CONTAINING 6-FLUORO-3-HYDROXY-2-PYRAZINECARBOXAMIDE

(51) International classification	:A61K 31/4965	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-061837	<b>1)TOYAMA CHEMICAL CO., LTD.</b>
(32) Priority Date	:13/03/2009	Address of Applicant :2-5, NISHISHINJUKU 3-CHOME, SHINJUKU-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/054191	<b>1)KAKUDA SAHOE</b>
Filing Date	:12/03/2010	<b>2)NISHIMURA SETSUKO</b>
(87) International Publication No	:WO 2010/104170	<b>3)HIROTA TAKAFUMI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a useful tablet which contains a high quantity of 6-fluoro-3-hydroxy-2-pyrazinecarboxamide or a salt thereof; has a size that is easy to ingest; has superior release characteristics; and has a hardness that can withstand film coating, packaging, and transportation.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6990/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ANTIVIRAL COMPOUNDS AND USES THEREOF

(51) International classification	:C07D 401/04
(31) Priority Document No	:61/163,157
(32) Priority Date	:25/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/028561 :25/03/2010
(87) International Publication No	:WO 2010/111437
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

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- 2)BETEBENNER DAVID A.**
- 3)DEGOEY DAVID A.**
- 4)FLENTGE CHARLES A.**
- 5)HUTCHINSON DOUGLAS K.**
- 6)KATI WARREN M.**
- 7)KRUEGER ALLAN C.**
- 8)LIU DACHUN**
- 9)LONGENECKER KENTON L.**
- 10)PRATT JOHN K.**
- 11)STEWART KENT D.**
- 12)WAGNER ROLF**
- 13)MARING CLARENCE J.**

**(57) Abstract :**

This invention relates to: (a) compounds and salts thereof that, inter alia, inhibit HCV; (b) intermediates useful for the preparation of such compounds and salts; (c) compositions comprising such compounds and salts; (d) methods for preparing such intermediates, compounds, salts, and compositions; (e) methods of use of such compounds, salts, and compositions; and (f) kits comprising such compounds, salts, and compositions.

No. of Pages : 96 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7015/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PRODUCING METHOD OF SINTER

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(51) International classification	:C22B 1/20
(31) Priority Document No	:2009-063466
(32) Priority Date	:16/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/001600
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/106756
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)SHUNJI KASAMA**

**2)SEIJI NOMURA**

(57) Abstract :

A producing method of sinter according to the present invention includes: blending an iron ore including a high combined water iron ore containing 4.0 mass% or more of combined water, an auxiliary raw material, and a solid fuel including 10 mass% or more of a low temperature combustion solid fuel having a combustion initiation temperature of less than 450°C as a sintering feed so that the sintering feed includes 30 mass% or more of the high combined water iron ore; charging the sintering feed into a Dwight-Lloyd sintering machine; igniting the surface layer portion of the sintering feed; and suctioning air from the top toward the bottom of the sintering feed.

No. of Pages : 28 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7016/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TIRE AND TIRE MANUFACTURING METHOD

(51) International classification	:B60C 5/01
(31) Priority Document No	:2009-034104
(32) Priority Date	:17/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/052360
Filing Date	:17/02/2010
(87) International Publication No	:WO 2010/095654
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BRIDGESTONE CORPORATION

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(72)Name of Inventor :

1)YOSHIHIDE KOUNO

2)SEIJI KON

(57) Abstract :

An object is to both provide a tire that is formed from a resin material, and in particular a thermoplastic material, and to also suppresses incorporation of air, raising durability. A tire 10 includes: a ring shaped tire case 23 formed from a resin material; a reinforcement cord 26 having a higher rigidity than that of the resin material, wound in a spiral shape on the outer peripheral section of the tire case 23 and having at least a portion of the reinforcement cord 26 embedded in and making close contact with the outer peripheral section of the tire case 23 when viewed in a cross-section along the axial direction of the tire case 23; and a tread 30 provided on the radial direction outside of a reinforcement cord layer 28 formed by the reinforcement cord 26. Accordingly air can be suppressed from being incorporated and durability can be raised.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6976/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MULTICOAT PAINT SYSTEM, METHOD FOR PRODUCING IT, AND USE THEREOF

(51) International classification	:B05D 7/00
(31) Priority Document No	:10 2009 018 216.0
(32) Priority Date	:21/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/002439
Filing Date	:21/04/2010
(87) International Publication No	:WO 2010/121799
(61) 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 COATING GMBH**

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GERMANY

(72)**Name of Inventor :**

**1) NORBERT LOW**

**2) VINCENT COOK**

**3) JORN LAVALAYE**

---

(57) Abstract :

The present invention relates to multicoat paint systems comprising basecoats and clearcoats with high solids fractions that each comprise at least one sulfonic acid compound of formula (I) or formula (II). The invention further relates to a method of producing these multicoat paint systems and to their use, and also to substrates coated with the multicoat paint system. The invention relates, furthermore, to the use of the sulfonic acid compounds of formula (I) and formula (II) in basecoats and clearcoats with high solids fractions.

No. of Pages : 62 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.7000/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HYDROXYLTHIENOQUINOLONES AND RELATED COMPOUNDS AS ANTI - INFECTIVE AGENTS

(51) International classification	:C07D 495/04
(31) Priority Document No	:61/166,371
(32) Priority Date	:03/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/029938 :05/04/2010
(87) International Publication No	:WO 2010/115184
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

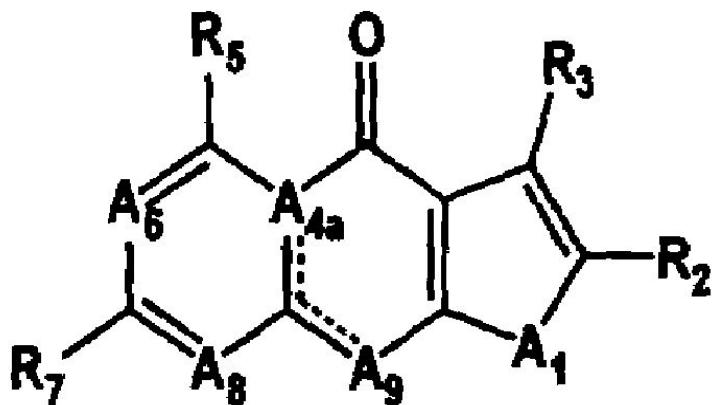
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- 2)DESHPANDE, MILIND
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- 4)KIM, HA YOUNG
- 5)LUCIEN, EDLAINE
- 6)PAIS, GODWIN
- 7)PUCCI, MICHAEL
- 8)WANG, QIUPING
- 9)WILES, JASON ALLAN
- 10)PHADKE, AVINASH

(57) Abstract :

Disclosed herein are hydroxylthienoquinolones and related compounds and their pharmaceutically acceptable salts useful as antiviral agents and having the general formula in which the variables R2, R6, and R7 are defined herein. Certain compounds provided herein possess potent antibacterial, antiprotozoal, or antifungal activity and are particularly efficacious for the treatment of MRSA infections. The invention also provides pharmaceutical compositions, pharmaceutical compositions containing a hydroxylthienoquinolone in combination with one or more other active agent, and methods of treating microbial infections in animals by administering an effective amount of a hydroxylthienoquinolone or related compound to an animal suffering from a microbial infection.



No. of Pages : 86 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.7001/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HSPA RELATIVE BIT - RATE AIMD - BASED QOS PROFILING

(51) International classification	:H04W 28/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/SE2009/050280
Filing Date	:19/03/2009
(87) International Publication No	:WO 2010/107348
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

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(72)Name of Inventor :

1)LUNDH, PETER

2)NADAS, SZILVESZTER

3)BLOMSTERGREN, LARS

(57) Abstract :

A method is disclosed for controlling, according to an additive increase multiplicative decrease (AIMD) principle, the bandwidth sharing among contending traffic flows over a transport network between a radio network controller and a radio base station. According to the method, a relative bit-rate (RBR) is determined (210) for each traffic flow; and the bit-rates of said traffic flows are controlled (220) such that additive increase operations of said AIMD principle depend on the respective RBR of each traffic flow. Embodiments of the invention strive at supporting Gold, Silver and Bronze HSDPA and/or EUL bit-rate subscriptions over a single TN QoS class.

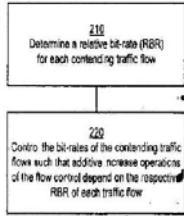
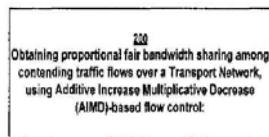


Fig 2a

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7023/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR WITHDRAWAL AND INSERTION OF A DRILL PIPE STRING IN A BOREHOLE AND ALSO A DEVICE FOR USE WHEN PRACTISING THE METHOD

(51) International classification	:E21B 19/16
(31) Priority Document No	:20090898
(32) Priority Date	:26/02/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000065
Filing Date	:19/02/2010
(87) International Publication No	:WO 2010/098672
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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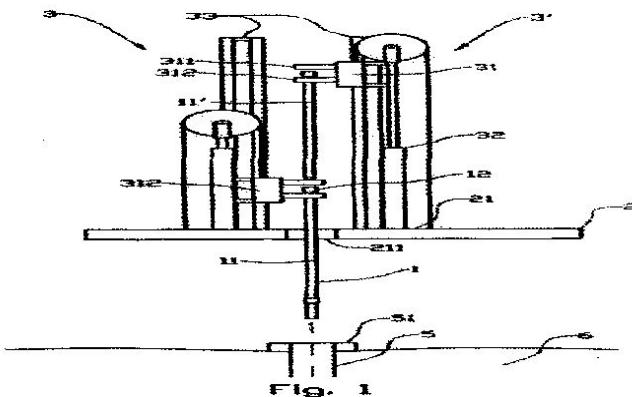
(72)**Name of Inventor :**

**1)KROHN, HELGE**

**2)GRINDROD, MADS**

(57) Abstract :

A device for tripping, in which, at a drill-floor opening (211) which is arranged to receive a pipe string (1), two or more cooperating pipe-handling units (3, 3') are arranged, each, independently of the other (s) or in cooperation with the other (s), being arranged to releasably hold the pipe string (1) fixed and to move the pipe string (1) in its axial direction, and also to move a pipe section (11) in the axial direction (1) of the pipe string (1) and rotate the pipe section (11) around the axis of the pipe string (1).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7024/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :14/09/2011

(43) Publication Date : 08/02/2013

(54) Title of the invention : A MULTIPART FLUID SYSTEM AND A SYSTEM FOR REGIONAL CITRATE ANTICOAGULATION IN AN EXTRACORPOREAL BLOOD CIRCUIT

(51) International classification	:A61K 33/06
(31) Priority Document No	:0900422-7
(32) Priority Date	:31/03/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/EP2010/054267
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/112538
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)STERNBY, JAN

(57) Abstract :

The present invention concerns a multipart fluid system for use in CRRT, wherein the multipart fluid system comprises an anticoagulation fluid and at least one fluid from the group consisting of a dialysis fluid and an infusion fluid. According to the invention the anticoagulation fluid comprises at least 8 mM citrate, and the dialysis fluid and/or infusion fluid comprises 2-8 mM citrate and 1-5 mM total calcium. The present invention further concerns a system for regional citrate anticoagulation in an extracorporeal blood circuit.

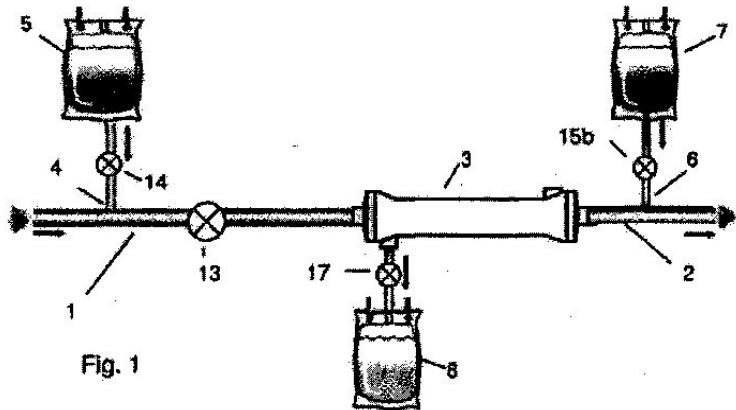


Fig. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6966/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CORD PLATE ATTACHMENT TO PHOTOVOLTAIC MODULES

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(51) International classification	:H01L 31/048
(31) Priority Document No	:61/159,504
(32) Priority Date	:12/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/026975
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/105051
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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**2)BRANDEN MICHAEL ROBINSON WELCH**

**3)BRUCE H. BENGSTON**

**4)LINDSAY A. HORN**

---

(57) Abstract :

A method of attaching a cord plate to a photovoltaic module having a cover plate comprising: positioning a conductor adjacent to a cover plate of a photovoltaic device, the conductor comprising a first end configured to be connected to the photovoltaic device and a second end located proximate to a connector on a first surface of the cover plate; positioning the cord plate on the first surface of the cover plate over the connector to form a space defined by the cover plate, the connector, and the cord plate, the cord plate comprising a base having a top surface and bottom surface and configured to be sealed to the cover plate, a junction configured to intersect the conductor and a second conductor, and a channel configured to receive a flowable sealant; and positioning an acrylic foam sheet between the bottom surface of the cord plate and the first surface of the cover plate.

No. of Pages : 21 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6996/DELNP/2011 A

(43) Publication Date : 08/02/2013

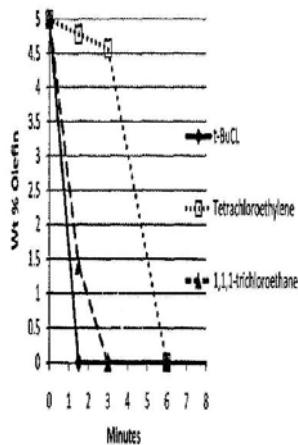
(54) Title of the invention : HYDROCONVERSION PROCESS WITH ALKYL HALIDE COMPRISING AT LEAST 55 WT% HALIDE

(51) International classification	:C07C 2/60	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/468,750	1)CHEVRON U.S.A. INC.
(32) Priority Date	:19/05/2009	Address of Applicant :6001 BOLLINGER CANYON ROAD,
(33) Name of priority country	:U.S.A.	SAN RAMON, CALIFORNIA 94583 UNITED STATES OF
(86) International Application No	:PCT/US2010/032980	AMERICA
Filing Date	:29/04/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/135064	1)HOMMELTOFT, SVEN, IVAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process comprising: contacting a blend of hydrocarbons under hydroconversion conditions in a hydroconversion zone with a mixture of an acidic ionic liquid catalyst and at least one alkyl halide comprising at least 55 wt% halide and having a boiling point of 70°C or higher. An alkylation process comprising: contacting a blend of hydrocarbons under alkylation conditions with a mixture of an acidic ionic liquid catalyst that is a chloroaluminate and at least one alkyl halide comprising 1,1,1-trichloroethane, tetrachloroethylene, or a mixture thereof; wherein greater than 99.9 wt.% of an at least one olefin in the blend of hydrocarbons is alkylated. Also, a hydroconversion process comprising drying the alkyl halide.

FIGURE1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/01/2012

(21) Application No.7/DELNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INDUCTIVE DISTANCE SENSOR

(51) International classification	:G01B 7/02
(31) Priority Document No	:10 2009 037 808.1
(32) Priority Date	:18/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/004943
Filing Date	:12/08/2010
(87) International Publication No	:WO 2010/020580
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)LOTHAR TRUNK**

**2)NORBERT HEITEFUSS**

**3)ALAN LOWELL HOUPE**

---

(57) Abstract :

Inductive adjustment of the core-fitted coil (16) of an eddy-current distance sensor (11) can be avoided if the coil (16) fills a physically predetermined annular space between the winding support (17) of the plastic coil former (15) and its flanges (18-19) as well as the wall (21) of a pot (20) composed of ferromagnetic material, which is placed over the rearward, smaller flange (18) and whose end face (21) rests against an annular area of the front, larger flange (19) with the same diameter as the pot (20). The ferromagnetic coil core (31) which engages coaxially in the winding support (17) can therefore be arranged on the base (24) in the pot (20) and can therefore be mounted as part of the pot (20).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7034/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PROCESS FOR PRODUCING P-DICHLOROBENZENE

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(51) International classification	:C07C 17/12
(31) Priority Document No	:2009-077001
(32) Priority Date	:26/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/054647
Filing Date	:18/03/2010
(87) International Publication No	:WO 2010/110163
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ASAOKA, SACHIO

2)KAWABATA TOMOHIRO

---

(57) Abstract :

Provided is a process for producing p-DCB by which, when operated for an actual facility, an objective product can be obtained with a high yield and stable operations are capable. Specifically provided is a process for producing p-dichlorobenzene by chlorinating at least one of benzene and monochlorobenzene as a raw material with a chlorine gas, the raw material and the chlorine gas are introduced into a reactor, in which a zeolite containing catalyst is charged as a fixed bed. The catalyst is obtained by forming the zeolite with a forming base material composed mostly of an alumina sol.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7036/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A VALVE FOR A VAPOUR COMPRESSION SYSTEM

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(51) International classification	:F16K 11/074
(31) Priority Document No	:PA 2009 00371
(32) Priority Date	:17/03/2009
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2010/000031
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/105623
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)DANFOSS A/S

Address of Applicant :NORDBORGVEJ 81, DK-6430  
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(72)Name of Inventor :

1)THYBO, CLAUS

(57) Abstract :

A valve comprising an inlet opening adapted to receive fluid medium and at least two outlet openings, each being fluidly connected to a flow path being arranged fluidly in parallel, is disclosed. The valve comprises a first valve part (1) and a second valve part (3). The first valve part (1) has at least two flow passages (2) formed therein, each flow passage (2) being fluidly connected to one of the outlet openings. The second valve part (3) has at least one primary flow passage (4) and at least one secondary flow passage (5, 6, 7) formed therein, the primary flow passage(s) (4) and the secondary flow passage(s) (5, 6, 7) being fluidly connected to the inlet opening. The first valve part (1) and the second valve part (3) are movable relative to each other in such a manner that the mutual position of the first valve part (1) and the second valve part (3) determines a fluid flow between the inlet opening and each of the outlet openings, via the flow passages (2, 4, 5, 6, 7) of the first valve part (1) and the second valve part (3).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.7006/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ENCAPSULATION OF HERBICIDES TO REDUCE CROP INJURY

---

(51) International classification	:A01P 13/00
(31) Priority Document No	:61/152,533
(32) Priority Date	:13/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024158
Filing Date	:12/02/2010
(87) International Publication No	:WO 2010/093970
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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**1)DAVID Z. BECHER**

**2)WILLIAM ABRAHAM**

**3)S. DOUGLAS PROSCH**

**4)BRETT H. BUSSLER**

**5)AMANDA C. HERR**

---

(57) Abstract :

A method for selectively controlling weeds in a field containing a crop of transgenic glyphosate-tolerant cotton plants having increased glyphosate tolerance in vegetative and reproductive tissues, the method comprising: when at least five leaf nodes are present on a cotton plant of said crop, applying to foliage of said crop and weeds a sufficient amount of a herbicidal glyphosate formulation comprising N-(phosphonomethyl)glycine or an agronomically acceptable salt thereof to control growth of said weeds without incurring significant glyphosate-mediated reproductive injury to said plant of said crop; and controlling the concentration of N-(phosphonomethyl)iminodiacetic acid and salts thereof present in the herbicidal glyphosate formulation and the application rate of the herbicidal glyphosate formulation to said crop and weeds in said field so as to not induce significant leaf necrosis in said cotton plants of said crop.

No. of Pages : 248 No. of Claims : 166

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.7008/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PARTICLE SIZE-STRUCTURED PARENTERAL DISPERSIONS

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(51) International classification	:A61K 9/08
(31) Priority Document No	:12/379,149
(32) Priority Date	:13/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000402
Filing Date	:12/02/2010
(87) International Publication No	:WO 2010/093460
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)DAVID F. DRISCOLL**

**2)DAVID F. NICOLI**

(57) Abstract :

A Drug/Adjuvant Delivery System (D/A DS), and associated method, are disclosed. An exemplary D/A DS system includes a liquid carrier; and a particle-size structured dispersion of solid and/or liquid particles suspended in the liquid carrier.

No. of Pages : 65 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7043/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : FULLY HUMAN ANTIBODIES SPECIFIC TO - CADM1

(51) International classification	:C07K 16/28
(31) Priority Document No	:61/209,471
(32) Priority Date	:05/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/026315
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/102175
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MEDAREX, INC.**

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**2)OXFORD BIOTHERAPEUTICS LTD.**

(72)Name of Inventor :

**1)JONATHAN ALEXANDER TERRETT**

**2)HEIDI LEBLANC**

**3)HAICHUN HUANG**

**4)ERIKA MEADDOUGH**

**5)CHIN PAN**

**6)BINGLIANG CHEN**

**7)CHETANA RAO-NAIK**

---

(57) Abstract :

The present disclosure provides isolated monoclonal antibodies, particularly human monoclonal antibodies, more particularly engineered antibodies resulting in increased binding to Fc receptors and/or increased potency for ADCC or immunoconjugates, which specifically bind to CADM1 with high affinity. Nucleic acid molecules encoding CADM1 antibodies, expression vectors, host cells and methods for expressing the CADM1 antibodies are also provided. Bispecific molecules and pharmaceutical compositions comprising the CADM1 antibodies are also provided. Methods for detecting CADM1, as well as methods for treating various cancers, including lung cancer and pancreatic cancer, are disclosed.

No. of Pages : 167 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7047/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR PRODUCING A THREADED NUT OF A BALL SCREW DRIVE

(51) International classification	:F16H 25/20
(31) Priority Document No	:10 2009 036 824.8
(32) Priority Date	:10/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/060446
Filing Date	:19/07/2010
(87) International Publication No	:WO 2011/018307
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SCHAEFFLER TECHNOLOGIES AG & CO. KG

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(72)Name of Inventor :

1)JURGEN OSTERLANGER

2)JOSEF MIKO

3)MANFRED KRAUS

4)STEFANIE BARTHLEIN

(57) Abstract :

A method for producing a threaded nut (10, 26) of a screw drive, in particular of a ball screw (7, 24), which threaded nut (10, 26) has, on one axial end, a recess (45) which extends over a circumferential segment and which is open at the end side, wherein said recess (45) is delimited radially by a circumferential wall of the threaded nut (10, 26), and wherein said recess (45) is delimited axially by a base (54) formed on the threaded nut (10, 26), and wherein said recess (45) is delimited in the circumferential direction by a stop surface (47), which is formed on the threaded nut (10, 26), for a projection (44), produced according to the following steps: a blank is deformed in a deformation process by deformation of material so as to form the recess (45), wherein the base (54) and the stop surface (47) and the circumferential wall are integrally connected to one another. Figure 11

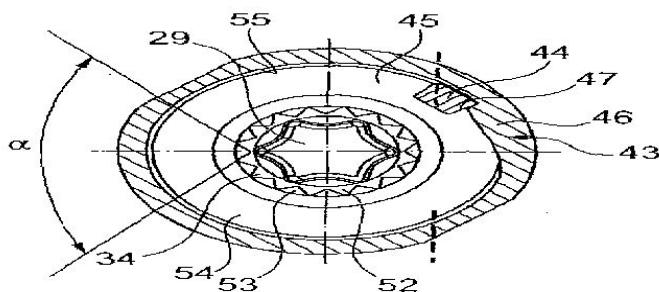


Fig. 11

No. of Pages : 33 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7049/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WATERBORNE EFFECT BASE COATS HAVING IMPROVED OPTICAL PROPERTIES

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(51) International classification	:C09K 19/52
(31) Priority Document No	:10 2009 021 071.7
(32) Priority Date	:13/05/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001159
Filing Date	:25/02/2010
(87) International Publication No	:WO 2010/130308
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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Address of Applicant :GLASURITSTR. 1, 48165 MUNSTER,  
GERMANY

**2)UNIVERSITE BLAISE PASCAL**

(72)Name of Inventor :

**1)HORST HINTZE-BRUNING**

**2)HANS-PETER STEINER**

**3)FABRICE LEROUX**

**4)ANNE-LISE TROUTIER-THUILLIEZ**

**5)THOMAS STIMPFLING**

---

(57) Abstract :

The invention relates to an aqueous effect basecoat material comprising at least one liquid-crystalline aqueous preparation (WZ) in fractions of 1% to 99% by weight, based on the aqueous basecoat material, at least one film-forming polymer (FP), and at least one effect pigment (EP), where the aqueous preparation (WZ) comprises preferably 10% to 99.9% by weight, based on the nonvolatile fractions of the aqueous preparation (WZ), of at least one water-dispersible polyester (PES) which is prepared using, in fractions of 7 to 50 mol%, based on the entirety of the polyester constituent units, difunctional monomer units (DME) having aliphatic spacer groups (SP) of 12 to 70 carbon atoms between the functional groups (Gr), and 0.1% to 30% by weight, based on the nonvolatile fractions of the aqueous preparation (WZ), of positively charged inorganic particles (AT) in layer form, whose individual layers that are not further intercalatable have a ratio D/d of the average layer diameter (D) to the average layer thickness (d) > 50 and whose charge is at least partly compensated by singly charged organic anions (OA).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7038/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : REMOVING ORGANIC IMPURITIES FROM BAYER PROCESS LIQUORS

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(51) International classification	:C01F 7/47
(31) Priority Document No	:2009901212
(32) Priority Date	:20/03/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/00319
Filing Date	:19/03/2010
(87) International Publication No	:WO 2010/105305
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)VERY SMALL PARTICLE COMPANY PTY LTD**

Address of Applicant :31 WESTGATE STREET WACOL,  
QUEENSLAND 4076, AUSTRALIA

(72)**Name of Inventor :**

**1)ALARCO, JOSE ANTONIA**

**2)TALBOT, PETER CADE**

(57) Abstract :

A process for treating a Bayer liquor by wet oxidation to oxidise organic contaminants in the Bayer liquor in which the wet oxidation process is conducted in the presence of a mixed Ce/Mn oxide. The catalyst may have nano-sized grains, and be supported on a mesoporous oxide support. The catalyst may also contain a platinum group metal.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7039/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : MEDIA CONTAINER FILE MANAGEMENT

(51) International classification	:H04N 7/50
(31) Priority Document No	:61/167,998
(32) Priority Date	:09/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/SE2009/051260
Filing Date	:06/11/2009
(87) International Publication No	:WO 2010/117315
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE - 164 83 STOCKHOLM (SE)

Sweden

(72)Name of Inventor :

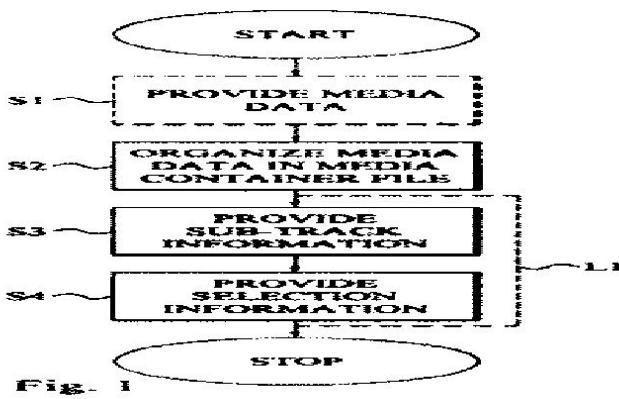
1)PRIDDLE, CLINTON

2)FROJDH, PER

3)NORKIN, ANDREY

(57) Abstract :

A media container file (1) is generated by organizing media data (2; 3) defined by a media track (12) in the file (1). Sub-track information (72, 74) identifying media data portions (4, 5; 6, 7, 8) of the media data (2; 3) is organized for each sub-track of multiple sub-tracks defined in the media track (12). At least one of the sub-tracks is assigned selection information (62, 64) defining a selective processing of the media data portion (4, 5; 6, 7, 8) defined by the sub-track in relation to other media data organized in the media container file (1). The media data (2, 3) advantageously relate to layered media or media defining multiple camera views which are organized into sub-tracks (12). The selection information (62, 64) allows selection among tracks (12) and sub-tracks when setting up a media session and switching between tracks (12) and sub-tracks during such a media session. A media container file (1) is generated by organizing media data (2; 3) defined by a media track (12) in the file (1). Sub-track information (72, 74) identifying media data portions (4, 5; 6, 7, 8) of the media data (2; 3) is organized for each sub-track of multiple sub-tracks defined in the media track (12). At least one of the sub-tracks is assigned selection information (62, 64) defining a selective processing of the media data portion (4, 5; 6, 7, 8) defined by the sub-track in relation to other media data organized in the media container file (1). The media data (2, 3) advantageously relate to layered media or media defining multiple camera views which are organized into sub-tracks (12). The selection information (62, 64) allows selection among tracks (12) and sub-tracks when setting up a media session and switching between tracks (12) and sub-tracks during such a media session.



No. of Pages : 59 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7066/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING AN INTEGRATED SYSTEM

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(51) International classification	:G05B 13/04
(31) Priority Document No	:12/414,092
(32) Priority Date	:30/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026457
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/117526
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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**1)PRASAD VIJAYSAI**

**2)KOLWALKAR AMOL RAJARAM**

**3)SHAH SUNIL SHIRISH**

**4)LIBERATORE FREDERICK**

**5)NAIK RAJENDRA**

---

(57) Abstract :

A control system includes an estimator configured to determine a present state of a device and compare the present state of the device with an expected state of the device. The control system further includes a predictor operatively coupled to the estimator, and configured to predict an event for execution by the device to reach the expected state of the device. The control system also includes a supervisory control unit operatively coupled to the predictor and the device, and configured to facilitate execution of the predicted event by the device.

No. of Pages : 34 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7069/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : HERBICIDAL FORMULATIONS

(51) International classification	:A01N 57/20
(31) Priority Document No	:61/158,089
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2010/000385
Filing Date	:04/03/2010
(87) International Publication No	:WO 2010/100424
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SYNGENTA LIMITED**

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(72)Name of Inventor :

**1)RAMSAY JULIA LYNNE  
2)STOCK DAVID  
3)BELL GORDON ALASTAIR  
4)SCREPANTI CLAUDIO**

---

(57) Abstract :

The invention includes an aqueous compatibilized herbicidal formulation. In typical embodiments, formulations comprise a diammonium salt of glyphosate and a sodium salt of fomesafen. The invention also includes storage and transport systems containing formulation embodiments. The invention also includes methods inhibiting unwanted plant growth.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7072/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD TO PRODUCE SECURING DATA, CORRESPONDING DEVICE AND COMPUTER PROGRAM

(51) International classification	:H04L 29/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0951646	<b>1)INSTITUT TELECOM / TELECOM PARISTECH</b>
(32) Priority Date	:16/03/2009	Address of Applicant :46 RUE BARRAULT, 75634 PARIS CEDEX 13, FRANCE
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/053334	<b>1)URIEN PASCAL</b>
Filing Date	:16/03/2010	
(87) International Publication No	:WO 2010/106042	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Invention relates to a method for generating security data for implementing a secure session between a first and at least a second entity according to a secure session establishment protocol. According to the invention, such a method includes: a step of initialising a third secure entity connected to the first entity; a step of generating at least a portion of said security data within said third entity; a first step of transmitting said generated security data from said secure third entity to said first entity; a second step of transmitting at least a portion of said security data generated in said third secure entity to at least a previously initialised fourth secure entity connected to said third secure entity.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7073/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHODS OF PREPARING OIL COMPOSITIONS FOR FUEL REFINING

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(51) International classification	:C10G 1/10
(31) Priority Document No	:61/171,386
(32) Priority Date	:21/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/031952
Filing Date	:21/04/2010
(87) International Publication No	:WO 2010/124030
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1) GOODALL BRIAN**

**2) ARAVANIS ALEX**

**3) BEHNKE CRAIG**

**4) CRANFORD RICHARD**

**5) SAJKOWSKI DANIEL**

---

(57) Abstract :

Disclosed herein are methods and systems for upgrading (for example, removing heteroatoms, metals, or metalloids) an oil composition derived or extracted from a biomass. The upgraded oil composition can be used to make a desired product, for example, a fuel product.

No. of Pages : 104 No. of Claims : 93

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7079/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : CYTOTOXIC CONJUGATES HAVING NEUROPEPTIDE Y RECEPTOR BINDING COMPOUND

(51) International classification	:A61K 38/16
(31) Priority Document No	:61/208,154
(32) Priority Date	:20/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000473
Filing Date	:19/02/2010
(87) International Publication No	:WO 2010/096175
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)DONG, ZHENG, XIN**

**2)ZHOU, KEVIN, L.**

**3)DEOLIVEIRA, DANIEL, B.**

---

(57) Abstract :

There is provided a series of novel neuropeptide Y-cytotoxic conjugates, compositions comprising the same, and methods relating to their therapeutic use for the treatment of disease or condition states associates with aberrant or undesirable proliferation of cells that express NPY-Yi receptors.

No. of Pages : 156 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7102/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : COATING AGENT FOR THE PRODUCTION OF HIGH-IMPACT LAYERS

(51) International classification	:C08G 18/42
(31) Priority Document No	:10 2009 021 070.9
(32) Priority Date	:13/05/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP10/001420
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/130312
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)HORST HINTZE-BRUNING**

**2)HANS-PETER STEINER**

**3)FABRICE LEROUX**

**4)ANNE-LISE TROUTIER-THUILLIEZ**

**5)THOMAS STIMPFLING**

(57) Abstract :

The invention relates to an aqueous coating composition comprising at least one liquid-crystalline aqueous preparation (WZ) in fractions of 1 % to 99% by weight, based on the aqueous basecoat material, at least one film-forming polymer (FP), and a crosslinking agent (V), where the liquid-crystalline aqueous preparation (WZ) comprises preferably 10% to 99.9% by weight, based on the nonvolatile fractions of the aqueous preparation (WZ), of at least one water-dispersible polyester (PES) which preferably contains at least one crosslinkable reactive functional group (a) and is prepared using, in fractions of 7 to 50 mol%, based on the entirety of the polyester constituent units, difunctional monomer units (DME) having aliphatic spacer groups (SP) of 12 to 70 carbon atoms between the functional groups (Gr), and 0.1% to 30% by weight, based on the nonvolatile fractions of the aqueous preparation (WZ), of positively charged inorganic particles (AT) in layer form, whose individual layers that are not further intercalatable have a ratio D/d of the average layer diameter (D) to the average layer thickness (d) > 50 and whose charge is at least partly compensated by singly charged organic anions (OA).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7105/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NOVEL METHOD FOR PRODUCING ENAMINOCARBONYL COMPOUNDS

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(51) International classification	:C07D 405/12
(31) Priority Document No	:09155202.6
(32) Priority Date	:16/03/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/001577
Filing Date	:12/03/2010
(87) International Publication No	:WO 2010/105779
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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Address of Applicant :ALFRED-NOBEL-STR. 50, 40789  
MONHEIM GERMANY

(72)Name of Inventor :

**1)NORBERT LUI**

**2)JENS-DIETMAR HEINRICH**

(57) Abstract :

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7136/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR OILING ROTATING OR OSCILLATING COMPONENTS

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(51) International classification	:F01M 5/00
(31) Priority Document No	:10 2009 013 943.5
(32) Priority Date	:19/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053643
Filing Date	:19/03/2010
(87) International Publication No	:WO 2010/106179
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)INO8 PTY LTD

Address of Applicant :OF 10, CAPRI COURT, JAN JUC,  
VICTORIA 3228, AUSTRALIA

(72)Name of Inventor :

1)WILL, FRANK

(57) Abstract :

Method for heating a lubricating system. At low temperatures, lubricating oil features a high viscosity which requires more energy to be overcome compared to at higher temperatures. The novel method accelerates the heating characteristics and thus reduces the energy requirements of lubricating systems. The invention relates to a method for heating lubricating systems (16), in particular for a combustion engine (03) or transmission, preferably automatic transmissions, comprising at least one oil suction tube (2), which is disposed in an oil sump (1), and an oil bypass line (23) which bypasses the oil return lines (19). In the oil bypass line (23) a bypass valve (17) is disposed. The oil bypass line (23) and/or at least one of the oil return lines (19) are connected to the suction tube of an oil pump (3) and to the pressure line of a lubricating system (16), and in the instance of a combustion engine (30) is preferably routed through at least one cylinder head (12), one cylinder block (15) or one turbocharger (24), and in the instance of a transmission, is routed through at least one heat exchanger (8) of the combustion engine (30) and/or through at least one electric heating element. If a certain temperature limit is not reached and if a certain minimum pressure of the lubricating oil in the pressure line of the lubricating system (16) is exceeded, the bypass valve (17) is at least partially opened so that a partial flow of the lubricating oil in a warm-up phase of the lubricating system (16) does not flow through the oil sump (1). The lubricating oil which flows through the oil bypass line (23) and/or through at least one of the oil return lines (19) is heated by a heat exchanger (8). The method is particularly suitable for rapidly heating up combustion engines and transmissions in motor vehicles.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7086/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : POWER BACKOFF FOR MULTI-CARRIER UPLINK TRANSMISSIONS

(51) International classification	:H04W 52/14
(31) Priority Document No	:61/160,786
(32) Priority Date	:17/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/SE2009/051503
Filing Date	:28/12/2009
(87) International Publication No	:WO 2010/107360
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)JOHANSSON, KLAS

2)WALLEN, ANDERS

3)PALENIUS, TORGNY

4)SUNELL, KAI-ERIK

(57) Abstract :

Teachings presented herein provide reduced computational complexity and/or memory requirements for a mobile terminal to determine the power backoff required for a multi-carrier uplink signal. In particular, the mobile terminal determines whether its power headroom falls below a pre-defined power headroom threshold, indicating that it is headroom limited. If so, it quantizes power allocated to each carrier of the multi-carrier uplink signal according to a pre-defined quantization policy. In doing so, the mobile terminal thereby reduces the possible configurations that may be selected for the multi-carrier uplink signal. Thus, in one embodiment, the mobile terminal stores the required backoff in a look-up table for only the configurations that may be selected when the mobile terminal is headroom limited. This relieves 10 the memory requirements of the mobile terminal as compared to storing the required backoff for all possible configurations of the multi-carrier uplink signal.

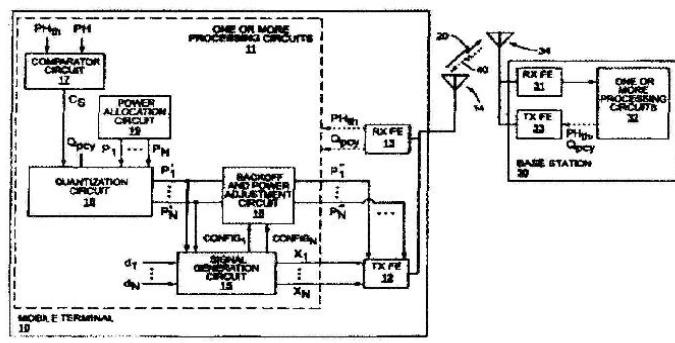


FIG. 1

No. of Pages : 24 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7108/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : HEAT EXCHANGER CONNECTOR ASSEMBLY

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(51) International classification	:F28F 9/26
(31) Priority Document No	:12/382,454
(32) Priority Date	:17/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/000719
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/107472
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SMITHS MEDICAL ASD, INC.**

Address of Applicant :160 WEYMOUTH STREET,  
ROCKLAND, MASSACHUSETTS 02370, UNITED STATES  
OF AMERICA

(72)**Name of Inventor :**

**1)ERIC ANDERSEN**

**2)DAVID BAKER**

**3)GREGORY HUGHES**

**4)LIAM O'SHEA**

**5)GARY SEARLE**

---

(57) Abstract :

A connector assembly for a heat exchanger has a fitting and a mount to which the fitting couples. The fitting has an elongate body having a proximal portion and a distal portion. At the proximal portion there is a crossbar, and at the distal portion there are an inlet and an outlet that protrude away from the body. Two wings extend from the body in a direction opposite to that of the inlet and outlet. There is formed on each of the wings a locking protrusion. The mount has a top portion where there is a groove dimensioned to accept the crossbar of the fitting. A longitudinal channel is formed orthogonal to the groove in the mount. Two sidewalls extend from the mount each for accepting a corresponding one of the wings, when the fitting is coupled to the mount. Apertures are provided at the sidewalls to engage the protrusion at the wings so that, once the fitting is coupled to the mount, it is secured thereto, until a force is exerted to compress the wings towards each other to disengage the protrusions from the apertures. To couple the fitting to the mount, a user first positions the crossbar of the fitting onto the groove of the mount, with the body of the fitting at an angle relative to the mount. With the crossbar resting on the groove, a pivot point is established between the fitting and the mount, so that the body of the fitting can be pivotally positioned within the channel of the mount. At that time the inlet and outlet of the fitting are mated to an output port and an input port, respectively, of the mount; and the protrusions at the wings of the fitting are engaged to the apertures at the sidewalls of the mount. An infuse line and a heat exchanger are connected to the proximal end and distal end, respectively, of the fitting.

No. of Pages : 31 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7137/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : GRIDNING STONE, MANUFACTURING METHOD OF GRINDING STONE, AND  
MANUFACTURING APPARATUS OF GRINDING STONE

(51) International classification	:B24D 3/00
(31) Priority Document No	:2009-086561
(32) Priority Date	:31/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055956
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/114075
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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MINATO-KU, TOKYO, 107-8556 JAPAN

(72)**Name of Inventor :**

**1)MASAHIKO MASUZAKI**

**2)FUMIO SATO**

**3)SATORU UCHIUMI**

**4)NOBUHIRO ASAI**

**5)KOJI SAITO**

**6)SATOSHI KANBAYASHI**

**7)TOSHIYA HIRATA**

**8)TAKASHI YOSHIDA**

---

(57) Abstract :

A manufacturing apparatus, of a grinding stone which is manufactured by attaching abrasive grains respectively having polyhedral shapes in which mutually opposed surfaces are parallel to each other to a base member, is provided with: an abrasive grains classifying apparatus adapted to classify the abrasive grains based on sizes of the abrasive grains defined by face-to-face distances between the mutually opposed surfaces; and an attaching apparatus adapted to attach the abrasive grains classified by the abrasive grains classifying apparatus to the base member. The attaching apparatus is provided with: a template which is disposed above the base member to be movable with respect to the base member and formed with a guide hole through which the classified abrasive grains pass; a vibration generator connected to the template or the base member and adapted to apply a vibration to the abrasive grains passing through the template; and an electrolytic deposition bath adapted to electrolytic deposit the abrasive grains passing through the template.

No. of Pages : 41 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2011

(21) Application No.7028/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HETEROCYCLIC COMPOUNDS, PHARMACEUTICAL COMPOSITIONS CONTAINING THEM. AND THEIR USE AS INHIBITORS OF THE GLYCINE TRANSPORTER 1

(51) International classification	:C07D 471/04
(31) Priority Document No	:61/152, 822
(32) Priority Date	:16/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2010/051907 :16/02/2010
(87) International Publication No	:WO 2010/092181
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ABBOTT GMBH & CO. KG

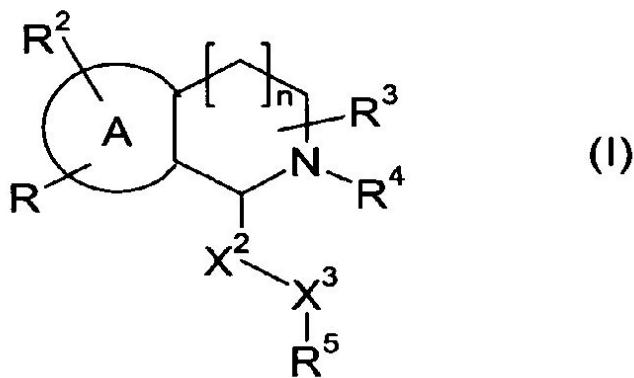
Address of Applicant :MAX - PLANCK-RING 2, 65205  
WIESBADEN GERMANY

(72)Name of Inventor :

- 1)LANGE UDO
- 2)HEUTLING ANDREAS
- 3)AMBERG WILHELM
- 4)OCHSE MICHAEL
- 5)BEHL BERTHOLD
- 6)HORNBERGER WILFRIED
- 7)MEZLER MARIO
- 8)NA

(57) Abstract :

The present invention relates to heterocyclic compounds of the formula (I) or a physiologically tolerated salt thereof. The present invention also relates to pharmaceutical compositions comprising such heterocyclic compounds, and the use of such heterocyclic compounds for therapeutic purposes.



No. of Pages : 134 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7059/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AGROCHEMICAL CONCENTRATE COMPRISING AN ADJUVANT AND A HYDROTROPE

(51) International classification	:A01N 25/02
(31) Priority Document No	:0318448.8
(32) Priority Date	:06/08/2003
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2004/003424
Filing Date	:06/08/2004
(87) International Publication No	:WO 2005/013692
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:6114/DELNP/2005
Filed on	:28/12/2005

(71)**Name of Applicant :**

**1)SYNGENTA LIMITED**

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(72)**Name of Inventor :**

**1)GORDON ALASTAIR BELL**

**2)GUY RAMSAY**

(57) Abstract :

An agrochemical concentrate having a continuous water-containing phase said continuous phase comprising an oil-based adjuvant and a hydrotrope capable of solubilising said adjuvant in said continuous phase; where the adjuvant is selected from long chain ethoxylate versions of synthetic or fatty acids, alcohols and amines; and the hydrotrope is a phenol type hydrotrope; and the ratio of the adjuvant to the hydrotrope is from 1:10 to 10:1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7060/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : GRINDING MEDIA

(51) International classification	:B02C 17/20
(31) Priority Document No	:110329
(32) Priority Date	:19/02/2009
(33) Name of priority country	:Bulgaria
(86) International Application No	:PCT/BG2009/000021
Filing Date	:17/12/2009
(87) International Publication No	:WO 2010/094091
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ASSAREL - MEDET AD

Address of Applicant :M. ASSAREL, 4500  
PANAGURISHTE, BULGARIA

(72)Name of Inventor :

1)BODUROV, PETAR

2)PENCHEV, TODOR

(57) Abstract :

The present invention relates to grinding media for fragmentation and grinding of ores, rock and earth mass and other materials mostly in drum mills, and it finds application in ore mining, construction and other industrial branches. The grinding media have the form of spheroidal tetrahedron, obtained from the crossing of four spheres with equal radii, the centers of each one lie on the top of the surface of the others and are tips of regular tetrahedron. The radii of the spheres are equal to the regular tetrahedron's edge. At least one of the tips (1) of the spheroidal tetrahedron is flatly beveled and the rest are rounded, so one and the same mass of material is taken away from each tip (1). It is possible the edges (2) of the grinding media to be rounded, beveled or ribbed. The ribbing can be even or arch-shaped.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7088/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : OPTIMIZED FC VARIANTS

(51) International classification	:C07K 16/00
(31) Priority Document No	:09305250.4
(32) Priority Date	:20/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/053644
Filing Date	:19/03/2010
(87) International Publication No	:WO 2010/106180
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)LFB BIOTECHNOLOGIES**

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(72)Name of Inventor :

**1)CHRISTIAN BEHRENS**

**2)SYLVIE JORIEUX**

**3)ABDELHAKIM KHARRAT**

**4)KHALIL BOUAYADI**

**5)PHILIPPE MONDON**

**6)CELINE MONNET-MARS**

---

(57) Abstract :

The invention relates to a variant of a parent polypeptide comprising an Fc region, which variant exhibits increased binding to FcRn as compared to said parent polypeptide and comprises at least one amino acid modification in the Fc region.

No. of Pages : 114 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7119/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD FOR PRODUCING POLYMERIC SOLIDS

(51) International classification	:C08K 3/00
(31) Priority Document No	:09003792.0
(32) Priority Date	:17/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/001658
Filing Date	:17/03/2010
(87) International Publication No	:WO 2010/105805
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)LANXESS DEUTSCHLAND GMBH.,**  
Address of Applicant :51369 LEVERKUSEN, GERMANY

(72)**Name of Inventor :**

**1)DIRK ACHTEN**  
**2)PETER KUEKER**  
**3)JURGEN KEMPKES**  
**4)BIANKA LORENZ**  
**5)ANNIKA STOBRAWE**  
**6)WERNER OBRECHT**

---

(57) Abstract :

The invention relates to a method for producing polymeric solids free of auxiliary emulsifiers starting from polymer latices (dispersion), wherein a polymer dispersion with a starting ph-value greater than 9 is set to a ph-value of 6 to 9 by adding gaseous carbon dioxide and the polymer dispersion is subsequently coagulated by shearing and/or freezing.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/03/2010

(21) Application No.712/DEL/2010 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : BY BOUYANT, GRAVITATIONAL ENERGY CHARGING SYSTEM

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(51) International classification	:H02J	(71) <b>Name of Applicant :</b> <b>1)MAHENDRA NATH</b> Address of Applicant :VILLAGE-KALLAPAR POST-BANAPOKHARA DISTRICT-MAU, 221603 Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)MAHENDRA NATH</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7143/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : IMPROVEMENT FOR LEAKTIGHT AND THERMALLY INSULATING TANK INTEGRATED INTO A CARRIER STRUCTURE

(51) International classification	:F17C 3/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0901636	<b>1)GAZ TRANSPORT ET TECHNIGAZ</b>
(32) Priority Date	:03/04/2009	Address of Applicant :1, ROUTE DE VERSILLES, F-78470 SAINT REMY LES CHEVREUSE, FRANCE
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2010/000283	<b>1)BRUNO GUELTON</b>
Filing Date	:02/04/2010	<b>2)RAPHAEL PRUNIER</b>
(87) International Publication No	:WO 2010/1112715	<b>3)CHRISTOPHE HUON DE KERMADEC</b>
(61) Patent of Addition to Application Number	:NA	<b>4)BRUNO DELETRE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This tank is of the type that comprises two sealing barriers, one primary (10) and the other secondary (5), and at least one thermal insulation hairier, each consisting of a module basically shaped as a rectangular parallelepiped and comprising a first plywood sheet (3) covered by a first layer of thermal insulation (4) which is then covered by a sealing barrier (5) on which is made a second layer of thermal insulation (6), on which in turn is a second plywood sheet (7), one which, in a known manner, the primary sealing barrier (10), consisting at stakes or metal plates rests. The second plate (7) is made up of two walls, a first, wall (8) supporting the primary sealing barrier and a second wall (9), with a layer of damping material (11) between than. Applicable particularly to shipbuilding.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7127/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : TOBACCO-BASED NICOTINE AEROSOL GENERATION SYSTEM

(51) International classification	:A61M 11/00
(31) Priority Document No	:61/160,904
(32) Priority Date	:17/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026614
Filing Date	:09/03/2010
(87) International Publication No	:WO 2010/107613
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ROSE, SETH, D.

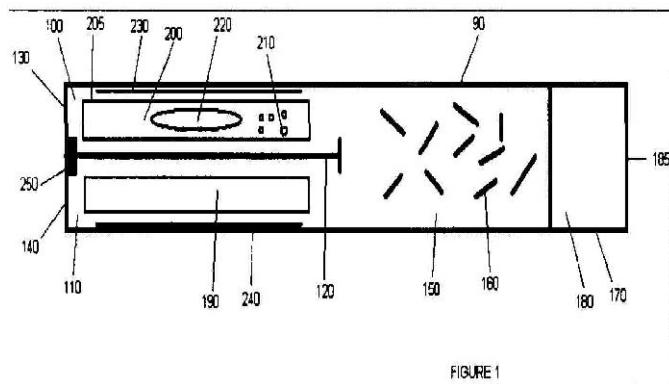
2)TURNER, JAMES, EDWARD

3)MURUGESAN, THANGARAJU

4)ROSE, JED, E.

(57) Abstract :

The invention relates to devices and methods for delivering nicotine and/or other alkaloids from tobacco, other plants and other natural sources. More particularly, the invention relates to devices and methods for delivering an aerosol of nicotine to a user's lungs without combustion of the nicotine source materials.



No. of Pages : 48 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7152/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ELECTRONIC CONTROL DEVICE - BUTTONLESS REMOTE CONTROL

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(51) International classification	:G06F 3/00
(31) Priority Document No	:2009/01098(ZA)
(32) Priority Date	:17/02/2009
(33) Name of priority country	:ZAMBIA
(86) International Application No	:PCT/IB2010/050545
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/095069
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)DE VAAL, GERARDUS GEERTRUUD**

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(72)Name of Inventor :

**1)DE VAAL, GERARDUS GEERTRUUD**

(57) Abstract :

The invention discloses an electronic control device, such as a remote control for operating electronic equipment, having a body with at least one movement sensor for sensing movement of the body relative to a static point. The control device generates various function control signals for the electronic equipment dependent upon the type of movement of the body.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7153/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR MONITORING A DRILLING OPERATION

(51) International classification	:E21B 44/00
(31) Priority Document No	:12/404,961
(32) Priority Date	:16/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/053287
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/106014
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)VERDANDE TECHNOLOGY AS

Address of Applicant :STIKLESTADVEIEN 1, N-7041  
TRONDHEIM, NORWAY

(72)Name of Inventor :

1)AAMODT,AGNAR

2)SKALLE, PAL

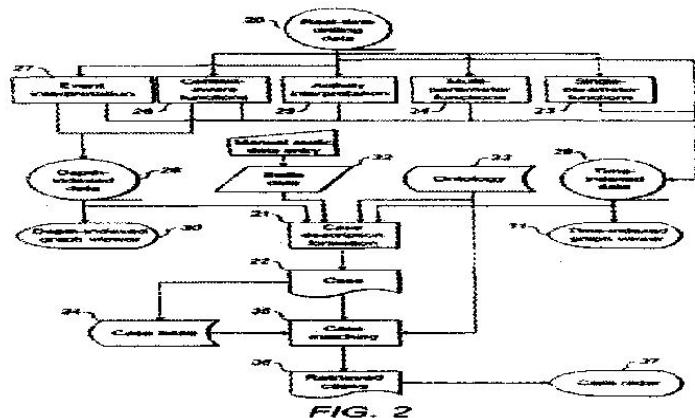
3)GUNDERSEN, ODD ERIK

4)SORMO, FRODE

5)SOLSTAD, JORGEN

(57) Abstract :

The present invention provides a computer-implemented software tool that is adapted to listen continuously to data streams from a drilling operation and to process the data to generate a situation description for a current drilling situation in a form useful for automated continuous matching with a set of past cases stored in a knowledge database. The invention implements a case-based reasoning (CBR) approach to match the current drilling situation as defined by the situation description with one or more stored past cases having a degree of similarity above a predetermined threshold level. Matching cases are displayed to the drilling engineer as symbols on a case radar, allowing the drilling engineer to retrieve and view the details of a past case and take appropriate action based on drilling advice provided within the past case.



No. of Pages : 30 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7155/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR OBTAINING COPPER POWDERS AND NANOPOWDERS FROM INDUSTRIAL ELECTROLYTES INCLUDING WASTE INDUSTRIAL ELECTROLYTES

(51) International classification	:C25C 5/02
(31) Priority Document No	:P-387565
(32) Priority Date	:20/03/2009
(33) Name of priority country	:Poland
(86) International Application No	:PCT/PL2010/000022
Filing Date	:17/03/2010
(87) International Publication No	:WO 2010/107328
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)LOS, PRZEMYSLAW

2)LUKOMSKA, ANELA

3)PLEWKA, ANNA

(57) Abstract :

The method for obtaining copper powders and nanopowders from industrial electrolytes including waste industrial electrolytes through electrochemical deposition of metallic copper on a cathode consists in using potentiostatic pulse electrolysis without the current direction change or with the current direction change, using the cathode potential value close to the plateau or on the plateau of the current voltage curve on which the plateau of the current potential range is from -0.2 V · -1 V, and a moveable or static ultramicroelectrode or an array of ultramicroelectrodes made of gold, platinum or stainless steel wire or foil is used as a cathode, whereas metallic copper is used as an anode and the process is carried out at temperature from 18-60°C, and the electrolysis lasts from 0.005 to 60 s. Said method can be used to obtain nanopowders and powders characterised by particle structure and dimension repeatability and purity from 99%+ to 99.999% from waste industrial electrolytes and wastewaters from copper industry and electroplating plants without additional treatment.

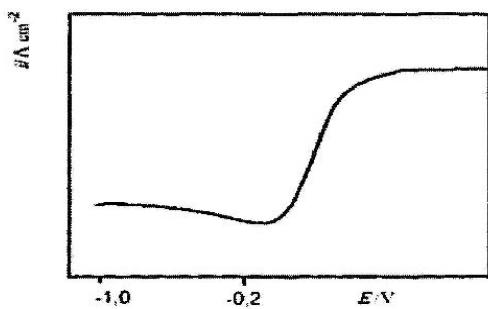


Fig. 1. Diagram of copper ion reduction at an ultramicroelectrode.  $E$  - potential measured in Volts in reference to copper electrode,  $i$  - cathodic current density measured in amperes/cm<sup>2</sup>.

No. of Pages : 15 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7157/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SCELETIUM EXTRACT AND USES THEREOF

(51) International classification	:A61K 36/185
(31) Priority Document No	:2009/02001
(32) Priority Date	:20/03/2009
(33) Name of priority country	:South Africa
(86) International Application No	:PCT/IB2010/051133
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/106495
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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BRYANSTON, SOUTH AFRICA

(72)Name of Inventor :

1)GERICKE, NIGEL

2)HARVEY, ALAN

3)VILJOEN, ALVARO

4)HOFMEYR, DEON

(57) Abstract :

A composition including as an active ingredient an extract of a plant of the family Mesembryanthemaceae with mesembrenol and mesembrenone as the two major alkaloids present. The invention also relates to the use of the composition as a PDE4 inhibitor and as a serotonin-uptake inhibitor, preferably applied in formulations for the use of the composition as a dual serotonin-uptake inhibitor and PDE4 inhibitor. The invention extends to compositions, such as pharmaceutical compositions or compositions used as dietary supplements, the total alkaloid content of which includes at least 80% (w/w) combined content of mesembrenol and mesembrenone, less than 5%(w/w) mesembrine, and at least 7 % (w/w) mesembranol.

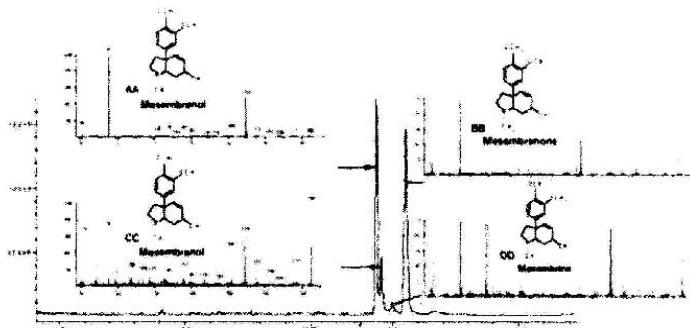


FIG 1

No. of Pages : 50 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7145/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CHLORINE PRODUCTION CATALYST AND CHLORINE PRODUCTION PROCESS USING THE CATALYST

(51) International classification	:B01J 23/78	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-076921	<b>1)MITSUI CHEMICALS, INC.</b>
(32) Priority Date	:26/03/2009	Address of Applicant :5-2, HIGASHI-SHIMBASHI, 1-CHOME, MINATO-KU, TOKYO 105-7117, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/055279	<b>1)TAKASHI NABETA</b>
Filing Date	:25/03/2010	<b>2)NOBUHIKO HORIUCHI</b>
(87) International Publication No	:WO 2010/110392	<b>3)KENICHI SUGIMOTO</b>
(61) Patent of Addition to Application Number	:NA	<b>4)KENJI IWATA</b>
Filing Date	:NA	<b>5)MASAMI MURAKAMI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a chlorine production catalyst that shows excellent reaction activity in the oxidation reaction of hydrogen chloride with oxygen into chlorine, is inexpensive and can be supplied stably, and is suited for use in a fluidized-bed reactor. The invention also provides a chlorine production process using the catalyst. The chlorine production catalyst of the invention includes spherical particles containing copper element (A), an alkali metal element (B) and a lanthanoid element (C) and having an average sphericity of not less than 0.80. The lanthanoid element (C) has a bond dissociation energy with oxygen at 298 K of 100 to 185 kcal/mol. The content of the copper element (A) in the catalyst is 0.3 wt% to 4.5 wt%.

No. of Pages : 80 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7146/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NON-ORIENTED MAGNETIC STEEL SHEET AND METHOD FOR PRODUCING THE SAME

(51) International classification	:C23C 10/28
(31) Priority Document No	:2009-061981
(32) Priority Date	:13/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053873
Filing Date	:09/03/2010
(87) International Publication No	:WO 2010/104067
(61) 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 CORPORATION**

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(72)**Name of Inventor :**

**1)SATOSHI ARAI**

**2)YASUHIDE MORIMOTO**

**3)KIYOKAZU ISHIZUKA**

**4)KAZUTOSHI TAKEDA**

(57) Abstract :

A non-oriented magnetic steel sheet contains, by mass%, C: 0.005% or less; Si: 2% to 4%; Mn and V: totally 11% or less; and Al: 3% or less, with the balance being Fe and inevitable impurities, wherein a Mn concentration (mass%) and a V concentration (mass%) in a thickness direction satisfy the following formula.  $0.1 < (X_{sMn,v} - X_{cMn,v}) / t_{Mn, v} < 100$ , where  $X_{sMn,v}$ : a sum of the Mn concentration (mass%) and the V concentration (mass%) at a surface of the steel sheet,  $X_{cMn,v}$ : a sum of the Mn concentration (mass%) and the V concentration (mass%) at a center of the steel sheet, and  $t_{Mn, v}$ : a depth (mm), from the surface of the steel sheet, of a position where the sum of the Mn concentration (mass%) and the V concentration (mass%) is equal to  $X_{cMn,v}$ .

No. of Pages : 47 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7147/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : THERMOELECTRIC DEVICE, ELECTRODE MATERIALS AND METHOD FOR FABRICATION THEREOF

(51) International classification

:H01C 17/30

(31) Priority Document No

:200910048222.X

(32) Priority Date

:26/03/2009

(33) Name of priority country

:China

(86) International Application No

:PCT/US2010/028615

Filing Date

:25/03/2010

(87) International Publication No

:WO 2010/111462

(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)CORNING INCORPORATED**

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**2)SHANGHAI INSTITUTE OF CERAMICS, CHINESE ACADEMY OF SCIENCES**

(72)Name of Inventor :

**1)LIDONG CHEN**

**2)MONIKA BACKHAUS-RICOULT**

**3)LIN HE**

**4)XIAOYA LI**

**5)XUGUI XIA**

**6)DEGANG ZHAO**

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(57) Abstract :

A thermoelectric device, a method for fabricating a thermoelectric device and electrode materials applied to the thermoelectric device are provided according to the present invention. The present invention is characterized in arranging thermoelectric material powder, interlayer materials and electrode materials in advance according to the structure of thermoelectric device; adopting one-step sintering method to make a process of forming bulked thermoelectric materials and a process of combining with electrodes on the devices to be completed simultaneously; and obtaining a π shape thermoelectric device finally. Electrode materials related to the present invention comprise binary or ternary alloys or composite materials, which comprise at least a first metal selected from Cu, Ag, Al or Au, and a second metal selected from Mo, W, Zr, Ta, Cr, Nb, V or Ti. The present invention simplifies fabricating procedures, reduces the cost and avoids adverse impacts due to exposing related elements to heat and pressure for a second time.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7174/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM

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(51) International classification	:H04N 7/32
(31) Priority Document No	:2009-069975
(32) Priority Date	:23/03/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/054441 :16/03/2010
(87) International Publication No	:WO 2010/110126
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

---

(71)Name of Applicant :

1)NTT DOCOMO, INC.

Address of Applicant :11-1, NAGATACHO 2-CHOME,  
CHIYODA-KU, TOKYO 100-6150, JAPAN

(72)Name of Inventor :

1)YOSHINORI SUZUKI

2)CHOONG SENG BOON

(57) Abstract :

An image predictive encoding device can efficiently encode an image, while suppressing an increase in prediction information and reducing the prediction error of a target block. In an image predictive encoding device according to one embodiment, to produce a prediction signal of a partition in a target region, it is decided whether prediction information of a neighbouring region can be used. When prediction information of the neighbouring region can be used, a region width of the partition where the prediction information of the neighbouring region is used to produce the prediction signal is determined. The prediction signal of the target region is produced from a reconstructed signal based on the prediction information of the target region, the prediction information of the neighbouring region, and the region width. The prediction information, information identifying the region width, and a residual signal between the prediction signal and an original signal of the target region are encoded.

No. of Pages : 92 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7159/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : REACTION - TYPE TURBINE

(51) International classification	:F01D 1/32
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/KR2009/001389
Filing Date	:18/03/2009
(87) International Publication No	:WO 2010/107146
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)HK TURBINE CO., LTD.**

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GUMI-DONG, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, REPUBLIC OF KOREA

(72)Name of Inventor :

**1)KIM, KI-TAE**

(57) Abstract :

The present invention relates to a reaction-type turbine. The reaction-type turbine of the present invention is configured such that a jet and rotating unit and a turbine shaft rotate by the repulsive force generated when steam spouts from the jet and rotating unit, so as to generate propulsion force. Thus, the operating stability of a steam turbine can be maintained even when condensate water is mixed with the steam, and manufacturing costs can be significantly reduced. Further, in order to reduce a loss of energy, the flow resistance of the steam is remarkably reduced or pressure leakage is prevented, thereby obtaining a low-cost and high-efficiency turbine.

No. of Pages : 43 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7160/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : RICE WRAPPER AND WRAPPED RICE

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(51) International classification	:B65D 65/26	(71) <b>Name of Applicant :</b> <b>1)FUJIMORI, SHUICHI</b> Address of Applicant :2137, KONAMI, SUWA-SHI, NAGANO 392-0131, JAPAN
(31) Priority Document No	:2009-197264	
(32) Priority Date	:27/08/2009	
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/059039	(72) <b>Name of Inventor :</b> <b>1)FUJIMORI, SHUICHI</b>
Filing Date	:27/05/2010	
(87) International Publication No	:WO 2011/024526	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The present invention provides a rice wrapper, in which an outer film divided into two can be easily removed. One side part of the rice wrapper 10, which includes one part of the outer film divided along the dividable section and an inner film 16a connected to the one part thereof, is separated from the other side part of the rice wrapper, which includes the other part of the outer film divided and an inner film 16b connected to the other part thereof, when the outer film 14 is divided along the dividable section 12, and a part of the dividable section 12 is connected to the one side part, and the one side part can be separated from the other side part, in one action, by pulling the dividable section 12.

No. of Pages : 43 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7162/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ISOMETRIC EXERCISE APPARATUS AND STORAGE RACK THEREFOR

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(51) International classification	:A63B 21/002
(31) Priority Document No	:12/385,079
(32) Priority Date	:30/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000388
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/111770
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)THORPE BRAD

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TORANTO, ONTARIO M4S 1C1 CANADA

(72)Name of Inventor :

1)THORPE BRAD

(57) Abstract :

The present invention relates generally to exercise equipment and more specifically, to an isometric exercise apparatus and a storage rack therefor. The isometric exercise apparatus includes a frame which has a base and a sidewall joined to the base. The base has an exercise platform for supporting a user's body. Also provided is a restraint arm assembly connected to the frame. The arm restraint assembly includes a swing arm pivotally connected to the base, a restraint arm carried by the swing arm and positionable above the exercise platform to inhibit movement of a portion of the user's body so as to allow the user to perform isometric exercises. An indexing assembly is provided to fix the swing arm in a predetermined angular position selected from a set of discrete angular positions relative to the base. At least one limb restraint accessory is positionable at predetermined locations along the base for inhibiting movement of the user's limb so as to allow the user to perform isometric exercises. The apparatus can rapidly be adapted or configured to target a plurality of joint angles to work different muscle groups (or different muscles within the same muscle group) for an enhanced isometric workout.

No. of Pages : 106 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7193/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : INDOLIZINE DERIVATIVE AND USE THEREOF FOR MEDICAL PURPOSES

(51) International classification	:C07D 471/04
(31) Priority Document No	:2009-086306
(32) Priority Date	:31/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055692
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/113942
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KISSEI PHARMACEUTICAL CO., LTD.

Address of Applicant :19-48, YOSHINO, MATSUMOTOSHI, NAGANO 399-8710, JAPAN

(72)Name of Inventor :

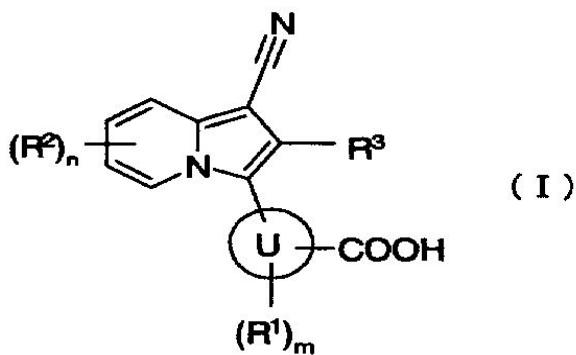
1)KAZUO SHIMIZU

2)MASATO IIZUKA

3)YASUSHI TAKIGAWA

(57) Abstract :

The present invention provides compounds useful as agents for the prevention or treatment of a disease associated with abnormal serum uric acid level and the like. That is, the present invention relates to indolizine derivatives represented by the following formula (I) having xanthine oxidase inhibitory activities and useful as agents for the prevention or treatment of a disease associated with abnormality of serum uric acid level, prodrugs thereof, salts thereof or the like. In the formula, ring U represents aryl or heteroaryl; R1 represents halogen, a hydroxy group or the like; R2 represents halogen, a hydroxy group, alkyl, alkoxy, alkyl substituted by fluorine, alkoxy substituted by fluorine or the like; m represents a number from 0 to 2; n represents a number from 0 to 3; and R represents hydrogen, fluorine or the like.



No. of Pages : 61 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7140/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DETECTION OF SURFACE AND BURIED OBJECTS

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(51) International classification	:G01S 3/02
(31) Priority Document No	:61/157,098
(32) Priority Date	:03/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000641
Filing Date	:03/03/2010
(87) International Publication No	:WO 2010/101630
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)L-3 COMMUNICATIONS CYTERRA CORPORATION**

Address of Applicant :10 COMMERCE WAY, WOBURN,  
MASSACHUSETTS 01801, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)HERBERT DUVOISIN**

**2)KEVIN L. JOHNSON**

(57) Abstract :

A sensor head includes a ground penetrating radar (GPR) system and a continuous-wave metal detector (CWMD). The GPR system includes a transceiver configured to transmit radiation toward an object and to receive radiation from the object. The CWMD includes a transmission antenna configured to produce a first magnetic field in the vicinity of the object sufficient to generate a current in the object, and a receive antenna configured to sense a second magnetic field produced by the current generated in the object.

No. of Pages : 48 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7141/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INSTRUMENT PANEL AND BOARD UNIT INTENDED FOR SAME

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(51) International classification	:B60K 37/04
(31) Priority Document No	:0950174.3
(32) Priority Date	:19/03/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050281
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/107371
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)TOMAS RIGNER**

**2)DANIEL JOHANSSON**

**3)JOEL AHL**

**4)CARL PANTZAR**

(57) Abstract :

An instrument panel (10) for a motor vehicle, with an upper side comprising a raisable cover (30) which, at a forward edge, as observed in the direction of forward movement of the vehicle, is supported for pivoting relative to a shell (20) of the panel, and with a storage space (40) delineated thereunder. According to the invention the instrument panel has a board unit (50) which at a transverse edge is supported for pivoting relative to the shell (20) between the cover and the storage space, and comprises a pair of board leaves (60, 70) pivotably connected to one another at an opposite transverse edge in such a way that a first board leaf (70) can be deployed, from a retracted working position abutting against the second board leaf (60) under the cover, to a deployed working position situated in a substantially horizontal plane with the second board leaf (60). The invention relates also to the board unit (50) itself.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7163/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : HEPATITIS C VIRUS INHIBITORS

		(71) <b>Name of Applicant :</b> <b>1)BRISTOL - MYERS SQUIBB COMPANY</b> Address of Applicant :ROUTE 206 AND PROVINCE LINE ROAD, PRINCETON, NEW JERSEY 08543 - 4000, UNITED STATES OF AMERICA
(51) International classification	:C07D 403/04	(72) <b>Name of Inventor :</b>
(31) Priority Document No	:61/164,531	<b>1)BENDER JOHN A.</b>
(32) Priority Date	:30/03/2009	<b>2)HEWAWASAM PIYASENA</b>
(33) Name of priority country	:U.S.A.	<b>3)KADOW JOHN F.</b>
(86) International Application No	:PCT/US2010/028456	<b>4)LOPEZ OMAR D.</b>
Filing Date	:24/03/2010	<b>5)MEANWELL NICHILAS A.</b>
(87) International Publication No	:WO 2010/117635	<b>6)NGUYEN VAN N.</b>
(61) Patent of Addition to Application Number	:NA	<b>7)ROMINE JEFFREY LEE</b>
Filing Date	:NA	<b>8)SNYDER LAWRENCE B.</b>
(62) Divisional to Application Number	:NA	<b>9)ST. LAURENT DENIS R.</b>
Filing Date	:NA	<b>10)WANG GAN</b>
		<b>11)XU NINGNING</b>
		<b>12)BELEMA MAKONEN</b>

(57) Abstract :

This disclosure concerns novel compounds of Formula (I) as defined in the specification and compositions comprising such novel compounds. These compounds are useful antiviral agents, especially in inhibiting the function of the NS5A protein encoded by Hepatitis C virus (HCV). Thus, the disclosure also concerns a method of treating HCV related diseases or conditions by use of these novel compounds or a composition comprising such novel compounds.

No. of Pages : 305 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7166/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR MODIFYING MEASUREMENT CONFIGURATION IN LONG TERM EVOLUTION SYSTEM AND APPARATUS THEREOF

(51) International classification	:H04W 72/00
(31) Priority Document No	:200910203751.2
(32) Priority Date	:10/06/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/071318
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/142161
(61) 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

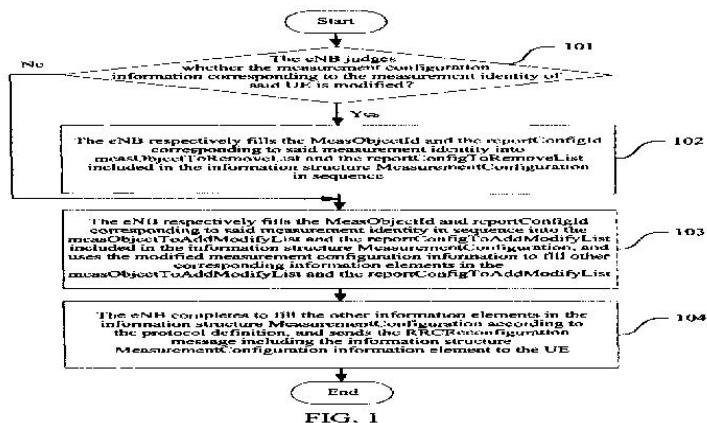
Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH, HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, 518057, P.R.CHINA

(72)Name of Inventor :

1)WANG, YI

(57) Abstract :

The present invention discloses a method for modifying measurement configuration in a Long Term Evolution (LTE) system, includes: when an Evolved NodeB (eNB) configures measurement configuration information of User Equipment (UE), if the measurement configuration information corresponding to a measurement identity of said UE is modified, indicating said UE: to remove all of original measurement object information and report configuration information corresponding to said measurement identity at first, and then to add modified measurement object information and report configuration information corresponding to said measurement identity. The present invention further discloses a corresponding apparatus. The present invention saves the memory capacity of the eNB, and simplifies the processing flow of the eNB, and also simplifies the processing flow of the UE at the same time.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7225/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : FABRIC MATERIAL COMPOSITE CONSTRUCTION FOR USE AS A FILTER MEANS

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(51) International classification	:B01D 39/08
(31) Priority Document No	:MI2009A000730
(32) Priority Date	:29/04/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2010/053110
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/124899
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

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(72)Name of Inventor :

1)CANONICO, PAOLO

2)NAPOLI, LIUBA

(57) Abstract :

A fabric material composite construction, for use as a filter means or media, characterized in that said construction comprises a combination of one or more nanofiber layers and a synthetic single-thread squarely knitted precision fabric.

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7181/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CONTROL SYSTEM

(51) International classification	:G05B 13/04
(31) Priority Document No	:09005626.8
(32) Priority Date	:22/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/001969
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/121695
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)POWITEC INTELLIGENT TECHNOLOGIES GMBH**

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(72)Name of Inventor :

**1)FRANZ WINTRICH**

**2)VOLKER STEPHAN**

**3)ERICH SCHAFFERNICHT**

**4)FLORIAN STEEGE**

(57) Abstract :

The invention relates to a control system (1) for a complex process, particularly for controlling a combustion process in a power plant, a waste incinerator plant, or a cement plant, having a control path (14) and at least one controller (36), wherein the control system (1) is divided hierarchically into various levels (10, 20, 30, 40), wherein the first level (10) represents the complex, real process to be controlled and is implemented by the control path (14), the second level (20) represents an interface to be process and is implemented by a process control system, the third level (30) represents the control of the process and is implemented by the at least one active controller (36), and the fourth level (40) represents a superordinate overview and is implemented by a main controller (44).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7189/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POLYETHERKETONEKETONE NONWOVEN MATS

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(51) International classification

:C08G 8/02

(31) Priority Document No

:61/161,979

(32) Priority Date

:20/03/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/027764

Filing Date

:18/03/2010

(87) International Publication No

:WO 2010/107976

(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)ARKEMA INC.**

Address of Applicant :900 FIRST AVENUE, KING OF PRUSSIA, PENNSYLVANIA 19406, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)GILBERT W. RUDMAN**

**2)GREGORY S.O'BRIEN**

**3)CHRISTOPHER A. BERTELO.**

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(57) Abstract :

The invention provides nonwoven mats comprising polyetherketoneketone fibers or mixtures thereof. Also provided are filters, textiles, blankets, and insulation prepared from polyetherketoneketone nonwoven mats, as well as methods for manufacturing the same.

No. of Pages : 21 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7212/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : FUEL INJECTION DEVICE

(51) International classification	:F02M 55/00
(31) Priority Document No	:10 2009 002 128.0
(32) Priority Date	:02/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053168
Filing Date	:12/03/2010
(87) International Publication No	:WO 2010/112317
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

Address of Applicant :POSTFACH 30 02 20, STUTTGART  
70442, GERMANY

(72)Name of Inventor :

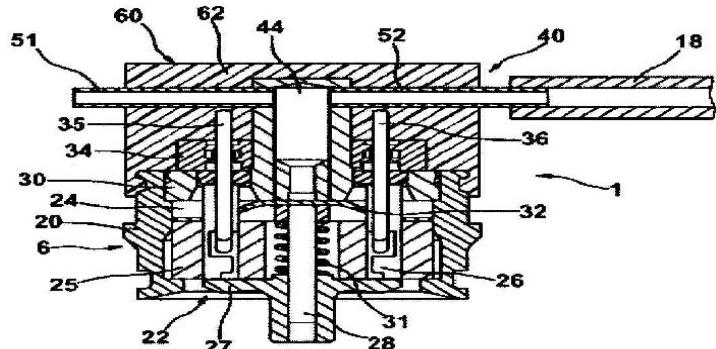
1)PAUER, THOMAS

2)RETTICH, ANDREAS

3)RUECKLE, MARKUS

(57) Abstract :

The present subject matter describes a fuel injection device (1) for injecting fuel into a combustion chamber of an internal combustion engine. The fuel injection device (1) includes an end (6) that is located at a distance from the combustion chamber and has at least one electric connection (33) and at least one return flow connection (40). Further, the return flow connection (40) and the electric connection (33) are integrated in a common connecting member (6).



**Fig. 3**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2010

(21) Application No.724/DEL/2010 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A MEDICAL DEVICE FOR PREVENTION OF DISEASES SUCH AS DIABETES, POLIO ETC.

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)ANANT NARAIN TRIPATHI</b> Address of Applicant :111A/400, 80 FEET ROAD, ASHOK NAGAR, KANPUR, Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)ANANT NARAIN TRIPATHI</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a medical device for prevention of diseases such as diabetes, Polio etc. comprising of a shoe cover integrally provided with a sole and insole with a frame there between.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7240/DELNP/2011 A

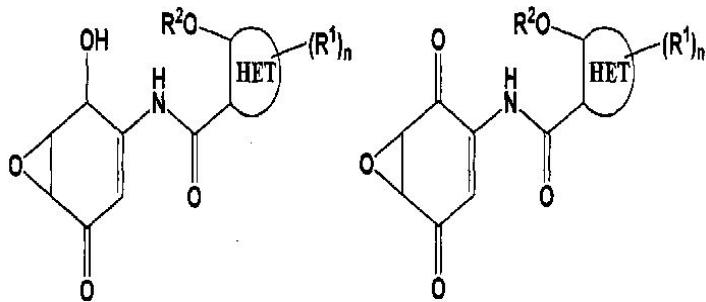
(43) Publication Date : 08/02/2013

(54) Title of the invention : INHIBITORS OF NF - KB

(51) International classification	:C07D 303/36	(71)Name of Applicant :
(31) Priority Document No	:61/164,256	1)PROFECTUS BIOSCIENCES, INC.
(32) Priority Date	:27/03/2009	Address of Applicant :6411 BECKLEY STREET,
(33) Name of priority country	:U.S.A.	BALTIMORE, MD 21224, UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/028610	(72)Name of Inventor :
Filing Date	:25/03/2010	1)JIE ZHANG
(87) International Publication No	:WO 2010/111460	2)D. ROBERT SLISKOVIC
(61) Patent of Addition to Application Number	:NA	3)CHARLES E. DUCKER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to compounds of formulae (1) and (2), and pharmaceutically acceptable salts thereof for the treatment of cancer, inflammation, auto-immune diseases, diabetes and diabetic complications, infection, cardiovascular disease and ischemia-reperfusion injuries.



(1)

(2)

No. of Pages : 69 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7242/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CASSETTE FOR USE WITHIN A CONNECTIVITY MANAGEMENT SYSTEM

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(51) International classification	:H01R 13/64
(31) Priority Document No	:12/395,049
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000564
Filing Date	:24/02/2010
(87) International Publication No	:WO 2010/098858
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)TYCO ELECTRONICS CORPORATION**

Address of Applicant :1050 WESTLAKES DRIVE,  
BERWYN, PENNSYLVANIA 19312, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)PEPE, PAUL JOHN**

**2)MUIR, SHELDON EASTON**

---

(57) Abstract :

A cassette (420) includes a housing (432) having a plurality of plug cavities (442) configured to receive plugs therein, and a contact subassembly (442) received in the housing (432). The contact subassembly (442) has a circuit board (470) and a plurality of contacts (444) coupled to the circuit board (470), with the contacts (444) being arranged in contact sets that are received in different plug cavities (442) to mate with different ones of the plugs. The cassette (420) also includes a connectivity sensor (424) coupled to the housing (432). The connectivity sensor (424) is electrically connected to the circuit board (470) of the contact subassembly (442), and the connectivity sensor (424) has a plurality of sensor pads (452) configured to interface with sensor probes of the plugs when the plugs are loaded into the plug cavities (442).

No. of Pages : 40 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7243/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD FOR IMPROVING THE YIELD OF A POLYPEPTIDE

---

(51) International classification	:C12P 21/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09154783.6	<b>1)DSM IP ASSETS B.V.</b>
(32) Priority Date	:10/03/2009	Address of Applicant :HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLANDS
(33) Name of priority country	:EUROPEAN UNION	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/052918	<b>1)VAN DER LAAN, JAN METSKE</b>
Filing Date	:08/03/2010	<b>2)WU, LIANG</b>
(87) International Publication No	:WO 2010/102982	<b>3)ROUBOS, JOHANNES ANDRIES</b>
(61) Patent of Addition to Application Number	:NA	<b>4)PARENICOVA, LUCIE</b>
Filing Date	:NA	<b>5)LOS, ALRIK PIETER</b>
(62) Divisional to Application Number	:NA	<b>6)VAN PEIJ, NOEL NICOLAAS MARIA ELISABETH</b>
Filing Date	:NA	<b>7)PEL, HERMAN JAN</b>

---

(57) Abstract :

The present invention relates to a method for improving protein yield. The method comprises modifying the value of a set of relevant protein features to fall within an optimal range or to become more close to an optimal value for one or more protein features in the eukaryotic host.

No. of Pages : 107 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7275/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : BINARY AND TERTIARY GALVANIC PARTICULATES AND METHODS OF MANUFACTURING AND USE THEREOF

(51) International classification	:A61K 1/30	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/164,198	<b>1)JOHNSON &amp; JOHNSON CONSUMER COMPANIES, INC.</b>
(32) Priority Date	:27/03/2009	Address of Applicant :GRANDVIEW ROAD, SKILLMAN, NJ 08558, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/028695	<b>1)YING SUN</b>
Filing Date	:25/03/2010	<b>2)JUE-CHEN LIU</b>
(87) International Publication No	:WO 2010/111511	<b>3)MICHAEL SOUTHALL</b>
(61) Patent of Addition to Application Number	:NA	<b>4)LUIZ ARTHUR BONACI TESSAROTTO</b>
Filing Date	:NA	<b>5)LEO B. KRIKSUNOV</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to galvanic particulates, their methods of manufacture and uses in treatments are described. The galvanic particulates may be binary or tertiary galvanic particulates, for example, containing multiple layers or phases of conductive materials.

No. of Pages : 78 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7277/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POLYISOCYANATE COMPOSITION

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(51) International classification	:C08G 18/00
(31) Priority Document No	:09158307.0
(32) Priority Date	:21/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/054492
Filing Date	:06/04/2010
(87) International Publication No	:WO 2010/121898
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)HUNTSMAN INTERNATIONAL LLC**

Address of Applicant :500 HUNTSMAN WAY, SALT LAKE CITY, UTAH 84108, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)CHRISTIAAN DEBIEN**

**2)CHRISTIAN ESBELIN**

**3)HANS VERBEKE**

(57) Abstract :

Polyisocyanate composition comprising a polyisocyanate, a lithium halide and a urea compound, wherein the number of moles of lithium halide per isocyanate equivalent ranges from 0.0001 - 0.04 and the number of urea + biuret equivalents per isocyanate equivalent of from 0.0001 - 0.4. Process for making such composition. Curable composition comprising this poly-isocyanate composition and an epoxy resin. Polyisocyanurate made from this curable composition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.73/DELNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : WINDSHIELD WIPER DEVICE

(51) International classification	:B60S 1/08
(31) Priority Document No	:10 2009 037 922.3
(32) Priority Date	:19/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/059777
Filing Date	:08/07/2010
(87) International Publication No	:WO 2011/020649
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)ROBERT BOSCH GMBH**

Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

**1)MAIER, GERALD**

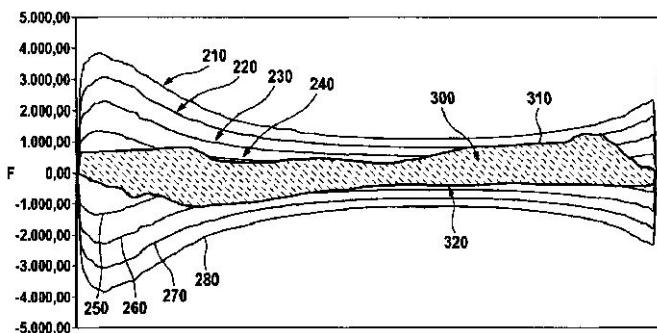
**2)WEGNER, NORBERT**

**3)RAPP, JUERGEN**

**4)MAY, MICHAEL**

(57) Abstract :

Described herein is a windshield wiper device (100). The windshield wiper device (100) comprises a driving means (110), and a control unit (130) for the driving means (110). Characterized in that, an operating characteristic map (140) is provided, wherein a maximum torque to be outputted by the driving means (110) and a minimum rotational speed of the driving means (110) are stored.



**FIG. 3**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7301/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A JAW SUPPORT FOR A POUCH FILLER

(51) International classification	:B65B 51/30
(31) Priority Document No	:61/163,594
(32) Priority Date	:26/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028401
Filing Date	:24/03/2010
(87) International Publication No	:WO 2010/111352
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NESTEC S.A.**

Address of Applicant :AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)**Name of Inventor :**

**1)GYNNILD, ROBERT, LAWRENCE**

(57) Abstract :

A jaw support and a sealing jaw for form, fill and seal machines are provided. In alternative embodiments, the form, fill and seal machines may include a fitment applicator station, a fitment applicator, a fitment heater assembly and a sealing jaw constructed and arranged to form a container and transfer and apply a fitment to the container.

No. of Pages : 32 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7302/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A NATURAL TASTE ENHANCING SAVOURY BASE AND A PROCESS FOR ITS PREPARATION

(51) International classification

:A23L 1/226

(31) Priority Document No

:PCT/EP2009/053530

(32) Priority Date

:25/03/2009

(33) Name of priority country

:EPO

(86) International Application No

:PCT/EP2010/053735

Filing Date

:23/03/2010

(87) International Publication No

:WO 2010/108901

(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)NESTEC S.A.**

Address of Applicant : AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)Name of Inventor :

**1)PALZER, STEPHAN**

**2)NIKOLIC, DAVID**

**3)BERENDS, PIETER**

**4)HO, DAC THANG**

**5)FLEURY REY, YVETTE**

**6)ULMER, HELGE**

**7)SCHOPP, SILKE**

**8)APPEL, DANIEL SEBASTIAN**

**9)RAAB, THOMAS**

(57) Abstract :

The present invention concerns a taste enhancing savoury base comprising: - between 8 to 80 % of naturally derived compounds taken in the group consisting of glutamate, IMP and GMP, - naturally food derived compounds such as organic acids and their salts, amino acids, peptides and aroma compounds, wherein said base is obtained through a prokaryotic fermentation with a bacteria taken from the group consisting of *Corynebacterium glutamicum*, *Corynebacterium ammoniagenes*, *Corynebacterium casei*, *Corynebacterium efficiens*, *Brevibacterium lactof omentum* and *Bacillus subtilis* and wherein said base is not purified.

No. of Pages : 21 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7331/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : IMPROVED FLUID DISTRIBUTION TO PARALLEL FLOW VAPOR-LIQUID CONTACTING TRAYS

(51) International classification	:B01F 3/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/415,327	1)UOP LLC Address of Applicant :25 EAST ALGONQUIN ROAD, P.O.
(32) Priority Date	:31/03/2009	BOX 5017, DES PLAINES, ILLINOIS 60017-5017, UNITED
(33) Name of priority country	:U.S.A.	STATES OF AMERICA
(86) International Application No	:PCT/US2010/022786	(72) <b>Name of Inventor :</b>
Filing Date	:02/02/2010	1)XU, ZHANPING
(87) International Publication No	:WO 2010/117481	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Fluid distribution systems, and particularly those for distributing liquids into apparatuses containing parallel flow trays for carrying out vapor-liquid contacting, are described. Representative fluid distribution systems comprise one or more extended troughs having a plurality of outlet spouts that are aligned for distribution to a vapor-liquid contacting deck zones of a parallel flow stage. The trough(s) may be orthogonal to liquid distribution pans which are in alignment with outlet spouts (e.g., in discrete outlet spout zones) of the trough(s).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7194/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : APPARATUS AND METHOD FOR PLACING A DESIRED LENGTH OF TAPE MATERIAL ONTO A MOVING WEB OF MATERIAL IN A TRANSVERSE ORIENTATION

(51) International classification	:B65H 39/14
(31) Priority Document No	:61/167,294
(32) Priority Date	:07/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030187
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/118096
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI,OHIO 45202, UNITED STATES OF AMERICA

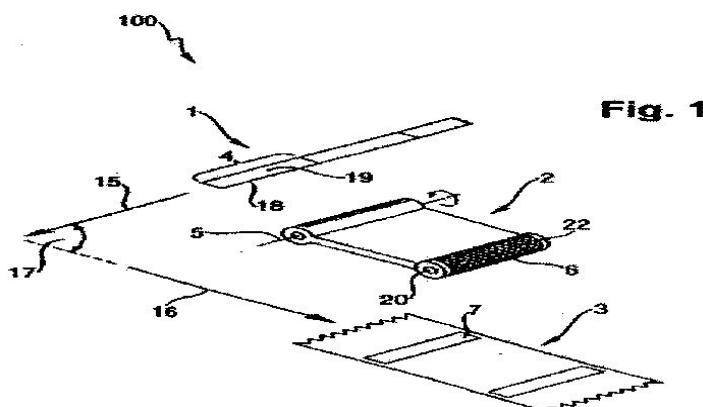
(72)**Name of Inventor :**

1)CASSONI, ROBERT, PAUL

2)HOOKER, TERRENCE, CURTIS

(57) Abstract :

An assembly and method for placing a desired length of tape material (4), fed as a moving continuous strip of tape material (3), onto a moving continuous web of material, wherein the orientation of the placed tape material is substantially perpendicular to the direction of movement of the moving continuous web of material.



**Fig. 1**

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7250/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : ELECTRO-HYDRAULIC FAILURE RECOVERY CONTROL FOR DUAL CLUTCH TRANSMISSION

(51) International classification	:F16H 61/12
(31) Priority Document No	:61/155,980
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025359
Filing Date	:25/02/2010
(87) International Publication No	:WO 2010/099286
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ALLISON TRANSMISSION, INC.

Address of Applicant :4700 WEST 10TH STREET,  
INDIANAPOLIS, IN 46222, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)HAGELSKAMP, BRYAN

(57) Abstract :

A control for a multi-speed automatic vehicle transmission includes electrical and hydraulic components, such as pressure control valve systems in fluid communication with shift valves and electrohydraulic actuators. The control includes electrohydraulic features configured to enable the transmission to respond to an electrical failure whether the transmission is in neutral, a reverse range, or one of a plurality of forward ranges.

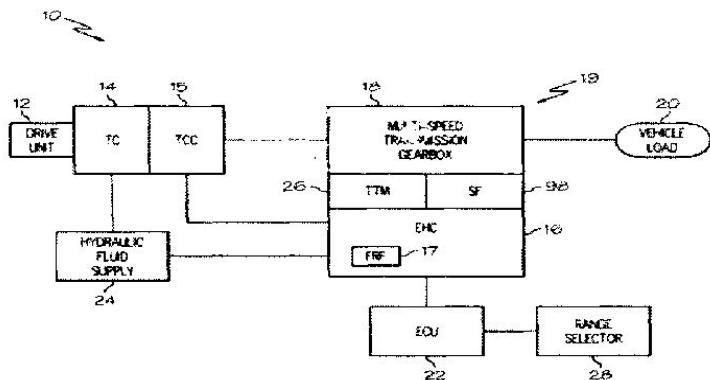


FIG. 1

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7253/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF ALOGLIPTIN

---

(51) International classification	:A01N 43/54
(31) Priority Document No	:61/163,481
(32) Priority Date	:26/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000260
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/109468
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)MAPI PHARMA LIMITED**

Address of Applicant :16 EINSTEIN ST., WEIZMANN SCIENCE PARK, POB. 4113 NESS ZIONA 74140 ISRAEL

(72)**Name of Inventor :**

**1)MAROM EHUD**

**2)MIZHIRITSKII MICHAEL**

**3)RUBNOV SHAI**

---

(57) Abstract :

The present invention is based on the discovery of a process for preparing pyrimidin-dione compounds, especially alogliptin and its derivatives, which comprises the reaction of a urea derivative of formula (VIII) with a malonic acid or its derivatives to form intermediates of formulae (VII) or (VII-A), which are subsequently converted to a compound of formula (II) upon introduction of a leaving group X. Compound (II) then reacts with an amine to form compound (I), which is optionally converted to its salts of formula (IV).

No. of Pages : 40 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7281/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : REFRIGERANT TRANSPORTING HOSE AND POLYAMIDE RESIN COMPOSITION FOR FORMING GAS BARRIER LAYER OF THE SAME

(51) International classification	:F16L 11/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-079487	<b>1)BRIDGESTONE CORPORATION</b>
(32) Priority Date	:27/03/2009	Address of Applicant :10-1, KYOBASHI 1-CHOME, CHUO-KU, TOKYO, JAPAN.
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/055356	<b>1)KAWAI ATSUSHI</b>
Filing Date	:26/03/2010	<b>2)TSUNODA KATSUHIKO</b>
(87) International Publication No	:WO 2010/110419	<b>3)AOKI ICHIRO</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A durable refrigerant transporting hose is provided which includes a gas barrier layer made of a polyamide resin composition, and prevented from being degraded by the refrigerant or compressor oil. A refrigerant transporting hose 1 including a gas barrier layer 2 made of a polyamide resin composition. The polyamide resin composition contains at least one metal compound selected from the group consisting of hydroxides, oxides and carbonates of divalent and trivalent metals in an amount of 1% to 15% by weight relative to the total amount of the metal compound and the polymer component. An olefin elastomer may be added to the polyamide resin composition to enhance the flexibility and durability.

No. of Pages : 119 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7339/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CONCRETE WITH A LOW CLINKER CONTENT

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(51) International classification	:C04B 28/04
(31) Priority Document No	:09/01364
(32) Priority Date	:24/03/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/000243
Filing Date	:23/03/2010
(87) International Publication No	:WO 2010/112687
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LAFARGE

Address of Applicant :61, RUE DES BELLES FEUILLES, F-75116 PARIS, (FR) France

(72)Name of Inventor :

1)SCHWARTZENTRUBER, ARNAUD

2)MARTIN, MYLENE

3)BENARD, PHILIPPE

4)SABIO, SERGE

---

(57) Abstract :

The present invention relates to a dry binder premix comprising, in mass proportions: - Portland clinker having a Blaine specific surface area comprised from 4500 to 9500 cm<sup>2</sup>/g, preferably from 5500 to 8000 cm<sup>2</sup>/g, the minimum quantity of the said clinker by mass percentage relative to the total mass of the premix being determined according to the following formula (I): in which BSS<sub>k</sub> is the Blaine specific surface area of the clinker given in cm<sup>2</sup>/g; - fly ash; - at least one alkali sulphate, the quantity of alkali sulphate being such that the quantity of equivalent Na<sub>2</sub>O in the premix is greater than or equal to 5 % by mass percentage relative to the mass of fly ash; - at least one source of SO<sub>3</sub>, in a quantity such that the quantity of SO<sub>3</sub> in the premix is greater than or equal to 2 % by mass percentage relative to the mass of Portland clinker; - complementary materials having a D<sub>v90</sub> less than or equal to 200 µm selected from limestone powders, calcined shale, metakaolins, siliceous fillers, silica powders, pozzolans, slags, fly ash and mixtures thereof; the quantity of clinker + the quantity of fly ash being greater than or equal to 75 %, preferably 78 %, by mass percentage relative to the total mass of the premix; the total quantity of clinker in the premix being strictly less than 60 % by mass percentage relative to the total mass of the premix. The invention also relates to a dry binder mix obtained by mixing the previous premix with aggregates, as well as a wet concrete composition obtained by mixing with water.

No. of Pages : 46 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7177/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AMINATED POLYMERS AND THEIR USE IN WATER-BORNE COMPOSITIONS

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(51) International classification	:A61K 8/89
(31) Priority Document No	:61/163,974
(32) Priority Date	:27/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028803
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/111576
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)HERCULES INCORPORATED**

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HERCULES PLAZA, WILMINGTON, DELAWARE 19894-  
0001, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)ARJUN C. SAU**

(57) Abstract :

The present invention relates to processes for the manufacture of aminated or functionalized aminated polymers and their use in water-borne compositions. More specifically, this invention relates to personal care compositions containing ami-nated polymers and one or more other conditioning agents, surfactants and other active or inactive ingredients.

No. of Pages : 42 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2010

(21) Application No.720/DEL/2010 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : AN IMPROVED WHEEL OF A BICYCLE

(51) International classification

:B62K

(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

(57) Abstract :

This invention relates to an improved wheel of bicycle comprising of an elliptical rim connected to a hub by means of a plurality of struts and guides.

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

(71)Name of Applicant :

**1)SANDEEP KUMAR JAISWAL**

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(72)Name of Inventor :

**1)SANDEEP KUMAR JAISWAL**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7256/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : N - (HETERO)ARYL, 2 - (HETERO)ARYL - SUBSTITUTED ACETAMIDES FOR USE AS WNT SIGNALING MODULATORS

(51) International classification	:C07D 213/75	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/156,599	1)IRM LLC Address of Applicant :131 FRONT STREET, P.O. BOX, HM
(32) Priority Date	:02/03/2009	2899 HAMILTON, HM LX BERMUDA, UNITED STATES OF
(33) Name of priority country	:U.S.A.	AMERICA
(86) International Application No	:PCT/US2010/025813	(72) <b>Name of Inventor :</b>
Filing Date	:01/03/2010	1)CHENG DAI
(87) International Publication No	:WO 2010/101849	2)ZHANG GUOBAO
(61) Patent of Addition to Application Number	:NA	3)HAN DONG
Filing Date	:NA	4)GAO WENQI
(62) Divisional to Application Number	:NA	5)PAN SHIFENG
Filing Date	:NA	

(57) Abstract :

The present invention relates to compounds of formulae 1 and 2 and methods for modulating the Wnt signaling pathway using these compounds, wherein A1, A2, B, Y and Z all represent rings.

No. of Pages : 204 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7289/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : POLY(TRIMETHYLENE TEREPHTHALATE ) PELLETS WITH REDUCED OLIGOMERS AND METHOD TO MEASURE OLIGOMER REDUCTION

(51) International classification	:C08G 63/78
(31) Priority Document No	:61/156,944
(32) Priority Date	:03/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025914
Filing Date	:02/03/2010
(87) International Publication No	:WO 2010/101913
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)E. I. DU PONT DE NEMOURS AND COMPANY**

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AMERICA

(72)**Name of Inventor :**

**1)KURIAN, JOSEPH, V.**

**2)LIANG, YUANFENG**

---

(57) Abstract :

The invention relates to the preparation of poly(trimethylene terephthalate) polymer pellets with reduced oligomers and a process for measuring the reduction of oligomers in PTT polymer which occurs when the polymer is subjected to a heat source. This reduction allows for lower polymer blooming due to reduction of oligomers in the polymer.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7324/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : HYBRID SERIAL COUNTERFLOW DUAL REFRIGERANT CIRCUIT CHILLER

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(51) International classification	:F25B 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/000523
Filing Date	:15/05/2009
(87) International Publication No	:WO 2010/130064
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)CARRIER CORPORATION**

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FARMINGTON, CT 06034 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)DING HAIPING**

**2)LI SONGTAO**

**3)STARK MICHAEL A.**

(57) Abstract :

A dual refrigerant circuit chiller (10) has a first refrigerant circuit (100) including a first condenser (130) and a first evaporator (140), a second refrigerant circuit (200) including a second condenser (230) and a second evaporator (240), a condenser assembly (30) including the first condenser (130) and the second condenser (230) interconnected in a series cooling fluid circuit, and an evaporator assembly (40) including the first evaporator (140) and the second evaporator (240) interconnected in a series fluid circuit with a waterbox (50) disposed intermediate the first evaporator (140) and the second evaporator (240). The evaporator assembly (40) has a chilled fluid inlet (45) and a chilled fluid outlet (43) that are disposed at opposite longitudinal ends of the evaporator assembly (40). Each of the first and second evaporators (140, 240) embodies a multiple pass circuit fluid-to-refrigerant heat exchanger.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7352/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : LABELED MOLECULAR IMAGING AGENTS, METHODS OF MAKING AND METHODS OF USE

(51) International classification	:A61K 49/00
(31) Priority Document No	:12/430,573
(32) Priority Date	:27/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/055629
Filing Date	:27/04/2010
(87) International Publication No	:WO 2010/125068
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345, UNITED STATES OF AMERICA

**(72)Name of Inventor :**

**1)FAISAL AHMED SYUD**

**2)BRIAN DUH-LAN LEE**

**3)PAUL SCHAFFER**

**4)RONG ZHANG**

**5)JACK MATHEW WEBSTER**

**6)JENNIFER HUNTINGTON**

**7)KANDE KANKANAMALAGE DAYARA  
AMARASINGHE**

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**(57) Abstract :**

Imaging agents that comprise labeled substrates of the cystine/glutamate antiporter of cells, whereby the methods of use comprise introducing the labeled agents into cells via the cystine/glutamate antiporter, which are then reduced to a labeled cysteine, and subsequently detected in the cell.

No. of Pages : 46 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7354/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TRIAZOLE DERIVATIVES AS VASOPRESSIN - RECEPTOR INHIBITORS FOR TREATING CARDIAC INSUFFICIENCY

(51) International classification	:C07D 249/12	(71)Name of Applicant :
(31) Priority Document No	:10 2009 013 642.8	1) <b>BAYER PHARMA AKTIENGESELLSCHAFT</b> Address of Applicant :MULLERSTR. 178, 13353 BERLIN, GERMANY
(32) Priority Date	:18/03/2009	(72)Name of Inventor :
(33) Name of priority country	:Germany	1) <b>ULF BRUGGEMEIER</b> 2) <b>CHANTAL FURSTNER</b> 3) <b>VOLKER GEISS</b> 4) <b>JOERG KELDENICH</b> 5) <b>ARMIN KERN</b> 6) <b>MARTINA DELBECK</b> 7) <b>PETER KOLKHOF</b> 8) <b>AXEL KRETSCHMER</b> 9) <b>ELISABETH POOK</b> 10) <b>CARSTEN SCHMECK</b> 11) <b>HUBERT TRUBEL</b>
(86) International Application No Filing Date	:PCT/EP2010/001442 :09/03/2010	
(87) International Publication No	:WO 2010/105750	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present application relates to novel substituted phenylalanine derivatives, to processes for preparing them, to their use alone or in combinations for the treatment and/or prevention of diseases and also to their use for the production of medicaments for the treatment and/or prevention of diseases, more particularly for the treatment and/or prevention of cardiovascular disorders.

No. of Pages : 92 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2010

(21) Application No.723/DEL/2010 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AN IMPROVED MOSQUITO REPELLENT COIL AND AN IMPROVED ASH TRAY FOR ACCOMMODATING KNOWN MOSQUITO REPELLENT COIL

(51) International classification	:A01N
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)SANDEEP KUMAR JAISWAL**

Address of Applicant :C/O THE MEDICAL SERVICE, BUS STATION ROAD, GAURI BAZAR, DIST. DEORIA, PIN-274 202. Uttar Pradesh India

(72)**Name of Inventor :**

**1)SANDEEP KUMAR JAISWAL**

(57) Abstract :

This invention relates to an improved mosquito repellent coil comprising of a coil with a plurality of holes wherein each hole through said coil terminates with a standing point at bottom surface in which the hole through the coil is skewed. An improved ash tray for accommodating known mosquito repellent coil comprising of a plurality of strips on its base connecting one surface of said tray to another wherein said strips are provided with a plurality of holes.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7264/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : CONTAINER TRANSPORT SYSTEM

(51) International classification	:B60L 13/03
(31) Priority Document No	:61/156,310
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022436
Filing Date	:28/01/2010
(87) International Publication No	:WO 2010/098935
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SHAPERY, SANDOR, WAYNE**

Address of Applicant :402 WEST BROADWAY, SUITE 1200, SAN DIEGO, CA 92101, UNITED STATES U.S.A.

**2)HOLDSWORTH, RAYMOND, WILLIAM**

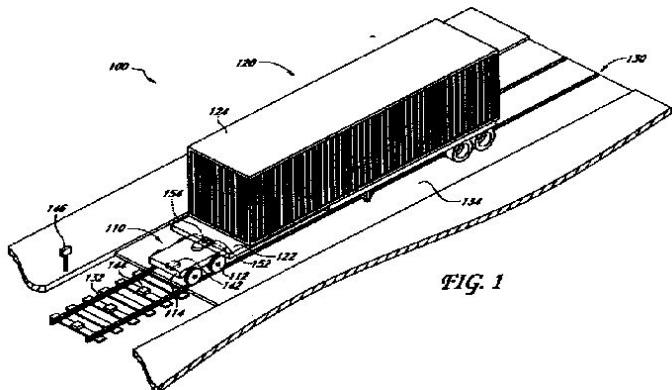
(72)Name of Inventor :

**1)SHAPERY, SANDOR, WAYNE**

**2)HOLDSWORTH, RAYMOND, WILLIAM**

(57) Abstract :

Systems and methods of transporting containers are disclosed. In one embodiment, an apparatus for transporting shipping containers is provided. The apparatus is configured to move along rails of a railroad track. The apparatus comprises a coupling configured to couple with a trailer configured to transport shipping containers. The coupling is attached to a source of magnetic flux. The source of magnetic flux is positioned so as to be driven by a source of varying magnetic flux positioned along the railroad track. In one embodiment, the source of magnetic flux comprises one or more permanent magnets and the source of varying magnetic flux comprises at least one electromagnet.



**FIG. 1**

No. of Pages : 18 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7299/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A DYNAMOELECTRIC MACHINE

(51) International classification	:H02K 3/51
(31) Priority Document No	:10 2009 016 516.9
(32) Priority Date	:08/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/000098
Filing Date	:12/01/2010
(87) International Publication No	:WO 2010/115481
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)VOITH PATENT GMBH**

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HEIDENHEIM GERMANY (DE)

(72)Name of Inventor :

**1)HENNING, HOLGER**

**2)EILEBRECHT, PHILIPP**

**3)VESER, STEFAN**

**4)HILDINGER, THOMAS**

(57) Abstract :

The invention relates to a dynamoelectric machine, comprising the following components or features: a rotor body; annular winding heads arranged axially next to the rotor body and coaxially in relation thereto; a support ring which is arranged radially inside the winding heads and coaxially in relation thereto; the winding heads and the support ring are torsion-proof with the rotor body; the winding heads and the support ring are clamped together in the radial direction by tension rods which are guided through radial boreholes in the winding heads and in the support ring. The invention is characterized by the following features: the tension rods engage with their radially inner ends on the support ring and with their radially outer ends on bearing blocks which rest on the winding heads; the clearances of the radial boreholes in the support body are provided with an overdimension in relation to the diameters of the tension rods; the bearing of the radially inner ends of the tension rods on the support ring and the radially outer ends of the tension rods on the winding heads allow a limited tilting movement of the tension rods against the radial direction.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7318/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NEMATICIDAL, INSECTICIDAL, AND ACARICIDAL COMBINATION OF ACTIVE SUBSTANCES, COMPRISING PYRIDYLETHYL BENZAMIDE AND INSECTICIDE

(51) International classification	:A01N 43/4	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09156175.3	<b>1)BAYER CROPSCIENCE AG</b>
(32) Priority Date	:25/03/2009	Address of Applicant :ALFRED-NOBEL-STR, 50, 40789
(33) Name of priority country	:EPO	MONHEIM GERMANY
(86) International Application No	:PCT/EP2010/001640	(72) <b>Name of Inventor :</b>
Filing Date	:16/03/2010	<b>1)WOLFRAM ANDERSCH</b>
(87) International Publication No	:WO 2010/108616	<b>2)HEIKE HUNGENBERG</b>
(61) Patent of Addition to Application Number	:NA	<b>3)HEIKO RIECK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to novel active ingredient combinations which consist of fluopyram and further known active insecticidal ingredients, and are very suitable for controlling animal pests, such as insects and/or unwanted acarids and/or nematodes, in foliar and soil application and/or in seed treatment.

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7375/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MICROENCAPSULATION OF BIOACTIVE SUBSTANCES AND METHODS OF MAKING THE SAME

(51) International classification	:A23P 1/04
(31) Priority Document No	:61/163,728
(32) Priority Date	:26/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028432
Filing Date	:24/03/2010
(87) International Publication No	:WO 2010/111347
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ADVANCED BIONUTRITION CORPORATION**  
Address of Applicant :SUITE A, 7155 COLUMBIA GATEWAY DRIVE, COLUMBIA, MARYLAND 21209, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)MOTI HAREL**

(57) Abstract :

A microparticle comprising a core and first and second layer, the core comprising a mixture of a bioactive substance and agglomerating agent; the first layer comprising at least one emulsifier and the second layer comprising at least one edible solid fats.

No. of Pages : 30 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7356/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : LIQUID LEVEL DETECTION DEVICE

(51) International classification	:G01F 23/38
(31) Priority Document No	:2009-079238
(32) Priority Date	:27/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053601
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/110028
(61) 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 SEIKI CO., LTD.

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(72)Name of Inventor :

1)HISAHITO ICHISAWA

2)TAKAYUKI YAMAURA

3)SHIGEKI KOIDE

(57) Abstract :

A liquid level detection device which protects at least a detection element, includes a small number of components, has good assembleability, and can archive cost reduction. A liquid level detection device (1) comprising: a float arm (2) which is provided with a float (2a) moved by following the displacement of a liquid level; a magnet (4) moved in association with the movement of the float arm (2); and a detection element (5) for detecting a change of magnetism of the magnet (4) . The liquid level detection device (1) further comprises; a first case body (8) formed of a resin covering the detection element (5); and a second case body (9) formed of a resin covering the first case body (8).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7382/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : OXADIAZOLE DERIVATIVES

(51) International classification	:C07D 271/06
(31) Priority Document No	:09157301.4
(32) Priority Date	:03/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/054100
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/115751
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MERCK SERONO S.A.**

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(72)Name of Inventor :

**1)QUATTROPANI ANNA  
2)MONTAGNE CYRIL  
3)SAUER WOLFGANG  
4)CROSIGNANI STEFANO  
5)BOMBRUN AGNES**

---

(57) Abstract :

The invention relates to compounds of formula I: wherein R1, R2, Ra, Rb, W, Q and S have the meanings given in claim 1. The compounds are useful e.g. in the treatment of autoimmune disorders, such as multiple sclerosis.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7385/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : MECHANICAL SEAL

(51) International classification	:F16J 15/34
(31) Priority Document No	:0629-2009
(32) Priority Date	:16/03/2009
(33) Name of priority country	:Chile
(86) International Application No	:PCT/AU2010/000306
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/105294
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :SAN JOSE 0815, SAN BERNARDO,  
SANTIAGO, CHILE

(72)Name of Inventor :

1)ABARCA MELO, RICARDO

2)GUZMAN CASTRO, RODRIGO

3)QUIROZ VENEGAS, OSVALDO

(57) Abstract :

A mechanical seal is disclosed having a rotatable sealing face and a stationary sealing face that are in opposed relation and arranged to be urged into contact to form a seal. One of the sealing faces is mounted on a support assembly that includes a biasing device operative to move that sealing face into contact with the other sealing face. In one form, the biasing device comprises one or more resilient members. The biasing device may apply a uniform force about the sealing face and may form part of a fluid barrier of the seal.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7387/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : APPARATUS AND METHOD FOR SINGLE USER MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATION EMPLOYING CYCLIC SHIFTS

(51) International classification	:H04L 27/26
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/052379
Filing Date	:27/02/2009
(87) International Publication No	:WO 2010/097121
(61) 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 SIEMENS NETWORKS OY

Address of Applicant :KARAPORTTI 3, FI - 02610 ESPOO, FINLAND

(72)Name of Inventor :

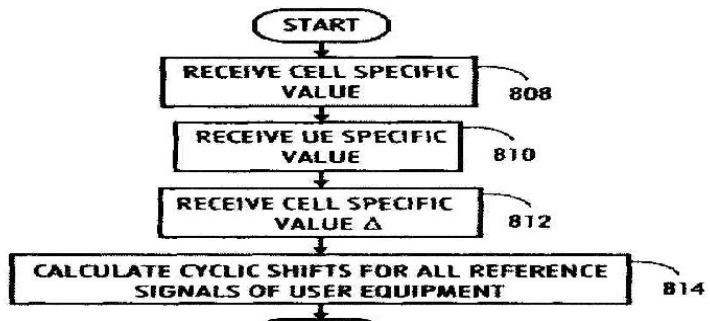
1)TIROLA, ESA TAPANI

2)HOOLI, KARI JUHANI

3)PAJUKOSKI, KARI PEKKA

(57) Abstract :

Apparatus and method for communication are provided. The apparatus comprises one or more antenna ports; and a processor configured to share a cyclic shift space of reference signals of user equipment utilizing single user multiple input multiple output transmission by applying a cyclic shift increment value between reference signals of different antenna ports or spatial layers of the user equipment transmission.



**FIG. 8B**

No. of Pages : 29 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7389/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POSITION ENCODER APPARATUS

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(51) International classification	:G01D 5/347
(31) Priority Document No	:0906257.1
(32) Priority Date	:08/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000714
Filing Date	:08/04/2010
(87) International Publication No	:WO 2010/116144
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)RENISHAW PLC**

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(72)Name of Inventor :

**1)IAIN ROBERT GORDON-INGRAM**

**2)ANDREW PAUL GRIBBLE**

(57) Abstract :

A position encoder apparatus, comprising: a scale comprising a series of position features; and a readhead configured to read the series of position features via a snapshot capture process. The snapshot capture process is adaptable so as to compensate for the relative speed between the scale and readhead.

No. of Pages : 25 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7414/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : OPTICAL ARTICLE COATED WITH AN ANTIREFLECTION OR REFLECTIVE COATING COMPRISING AN ELECTRICALLY CONDUCTIVE FILM BASED ON TIN OXIDE, AND PRODUCTION METHOD

(51) International classification	:G02B 1/10
(31) Priority Document No	:0901475
(32) Priority Date	:27/03/2009
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/FR2010/050564 :26/03/2010
(87) International Publication No	:WO 2010/109154
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)ESSILOR INTERNATIONAL (COMPAGNIE  
GENERALE D'OPTIQUE)  
Address of Applicant :147 RUE DE PARIS, F-94220  
CHARENTON LE PONT, FRANCE

(72)**Name of Inventor :**

1)DOMINIQUE CONTE  
2)DELPHINE PASSARD  
3)KARIN SCHERER  
4)JEAN-LOUIS SIRJEAN

(57) Abstract :

This invention relates to an optical article having antistatic and antireflection or reflective properties, comprising a substrate having at least one main surface coated with an antireflection or reflective coating, said coating comprising at least one electrically conductive layer comprising at least 30% tin oxide (SnO<sub>2</sub>) by weight relative to the total weight of the electrically conductive layer, said electrically conductive layer having been deposited by ion-assisted deposition, and said substrate having a water uptake rate equal to or greater than 0.6% by weight relative to the total weight of said substrate, the water uptake rate being measured after predrying said substrate and then storing it for 800 hours in a chamber at 50°C under 100% relative humidity and at atmospheric pressure.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7404/DELNP/2011 A

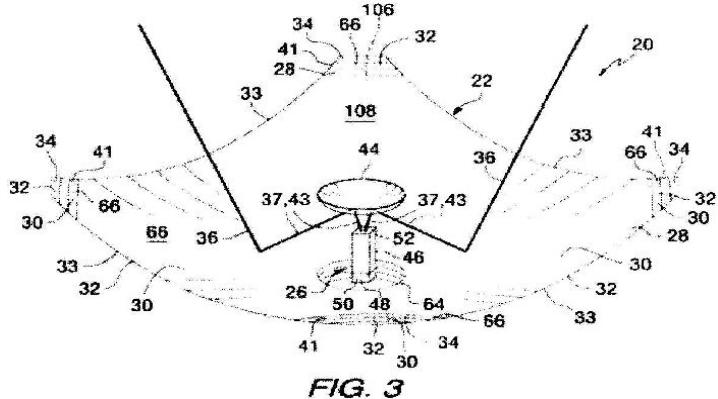
(43) Publication Date : 08/02/2013

(54) Title of the invention : SOLAR REFLECTING MIRROR HAVING A PROTECTIVE COATING AND METHOD OF MAKING SAME

(51) International classification	:G02B 1/10	(71)Name of Applicant :
(31) Priority Document No	:61/164,047	1)PPG INDUSTRIES OHIO, INC.
(32) Priority Date	:27/03/2009	Address of Applicant :3800 WEST 143RD STREET,
(33) Name of priority country	:U.S.A.	CLEVELAND, OHIO 44111, UNITED STATES OF
(86) International Application No	:PCT/US2010/027556	AMERICA
Filing Date	:17/03/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2010/111075	1)BHANDARI, ABHINAV
(61) Patent of Addition to Application Number	:NA	2)BUHAY, HARRY
Filing Date	:NA	3)SISKOS, WILLIAM, R.
(62) Divisional to Application Number	:NA	4)THIEL, JAMES, P.
Filing Date	:NA	

(57) Abstract :

A solar reflecting mirror includes a shaped glass substrate having a focal area, a reflective coating over its convex surface and a sodium ion barrier layer over its concave surface. The shaped substrate has a strain pattern having a radial tension strain at the bottom area, and circumferential compression strain at the periphery of the substrate. As the distance from the periphery of the shaped substrate increases, the circumferential compression strain decreases to a transition line where circumferential tension strain begins. As the distance from the transition line in a direction toward the bottom area of the glass substrate increases, the circumferential tension increases. To compensate for the strain pattern in the shaped glass substrate to avoid buckling of, and surface cracks of, the barrier layer, the barrier layer including an oxide of silicon and aluminum thickness, among other things is varied on. A method of making the solar mirror from shaped sections is also discussed.



No. of Pages : 47 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7405/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WALL ELEMENT AND METHOD FOR PRODUCING THE ELEMENT

(51) International classification	:E04C 2/34
(31) Priority Document No	:0900258-5
(32) Priority Date	:27/02/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/000045
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/098711
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GIVENT LTD.

Address of Applicant :TOWER GATE PLACE, TAI-QROGG STREET, MT-MSIDA, MSD 1703, Malta

2)ROGER ERICSSON

(72)Name of Inventor :

1)ERICSSON, ROGER

(57) Abstract :

The present inventions relates to a wall element (10; 20; 30; 40; 50; 60; 70) having a substantially rectangular shape with a first and a second side substantially parallel to each other, and a third side extending between said first and second side, said wall element comprising: a first continuous layer of high performance concrete; a second continuous layer of high performance concrete, said second layer is substantially parallel to the first layer; a first elongated load bearing element; a second elongated load bearing element; and a transverse load bearing beam; wherein said first and second load bearing element and the transverse load bearing beam are positioned between the first and the second layer to separate the first and the second layer thereby generating an intermediate space within the element between the first and second layer, said first and second load bearing element are fastened in the first and second layer and extending along the first and the second side of the element, wherein said transverse load bearing beam is fastened in the first and second layer and extending the third side of the element. The invention furthermore relates to a method for producing the wall element defined above.

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7433/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TURBINE WHEEL WITH UNTUNED BLADES COMPRISING A DAMPING DEVICE

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(51) International classification	:F01D 5/16
(31) Priority Document No	:0952116
(32) Priority Date	:02/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050604
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/112767
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)TURBOMECA**

Address of Applicant :B.P.2 -64510 BORDES, FRANCE

(72)**Name of Inventor :**

**1)MARC DIJOUR**

**2)JEAN-PHILIPPE OUSTY**

(57) Abstract :

The present invention provides a turbine wheel (10) comprising: a plurality of first blades (20) and a plurality of second blades (22), at least one of the first blades being adjacent to at least one of the second blades; a disk (12) presenting an axis of rotation and a periphery having the blades mounted thereat, each of the blades having a head solid with a root engaged in a housing (16) that opens to the periphery of the disk, each of the blades including keying means constituted by a respective shelf arranged between the head and the root of said blade, the shelves of the first blades (20) presenting an azimuth length (L1) different from the azimuth length (L2) of the shelves of the second blades (22); and a damper device (30) arranged at least between said adjacent blades, said damper device being arranged between the shelves of the blades (20, 22) and the periphery of the disk (12).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7434/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PRECOATED METAL SHEET AND PROCESS FOR PRODUCING SAME

(51) International classification	:B05D 7/14
(31) Priority Document No	:2009-083497
(32) Priority Date	:30/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/056106
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/114135
(61) 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 CORPORATION**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME,  
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(72)**Name of Inventor :**

**1)TOMOAKI HOSOKAWA**

**2)KOHEI UEDA**

(57) Abstract :

A precoated metal sheet having a coating film on one or both side(s) of a metal sheet. The coating film comprises at least a top coating film as an outermost surface coating film/ and a middle coating film disposed under the top coating film in contact with the top coating film. The top coating film is a clear coating film containing a silicone graft acrylic resin, and containing no pigment; and the middle coating film comprises a melamine-curable or an isocyanate-curable polyester resin, and a color pigment. The surface of the coating film has an average friction coefficient of 0.08 or less, a hardness at 23°C of 75 to 200 N/mm<sup>2</sup> in terms of universal hardness at a 5 mN load, and a specular gloss of 50% or more under a condition of an incident angle of 20° and an acceptance angle of 20°. There is provided precoated metal sheet having a design quality such as gloss and image clarity, and also having an excellent scratch resistance.

No. of Pages : 64 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7361/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR DELIVERING A SHAPE MEMORY ARTICLE TO A SURGICAL SITE

(51) International classification	:A61B 17/068
(31) Priority Document No	:61/161,604
(32) Priority Date	:19/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/024728 :19/02/2010
(87) International Publication No	:WO 2010/107549
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)CORE ESSENCE OTHHOPAEDICS, INC.**

Address of Applicant :575A VIRGINIA DRIVE, FORT WASHINGTON, PA 19034, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)ALAN B. MILLER**

**2)SHAWN T. HUXEL**

**3)RICHARD THOMAS BRIGANTI**

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(57) Abstract :

The invention pertains to a method and apparatus for delivering an article formed of a shape memory alloy to a surgical implantation site.

No. of Pages : 42 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7363/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : (CO) POLYCARBONATES WITH IMPROVED OPTICAL PROPERTIES

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(51) International classification	:C08L 69/00
(31) Priority Document No	:10 2009 015 040.4
(32) Priority Date	:26/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001714
Filing Date	:18/03/2010
(87) International Publication No	:WO 2010/108626
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)BAYER MATERIALSCIENCE AG**

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(72)Name of Inventor :

**1)ROLF WEHRMANN**

**2)HELMUT WERNER HEUER**

(57) Abstract :

The invention relates to (co)polycarbonate compositions and molding compositions which feature improved optical properties, good flowability, and high heat resistance.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7365/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : A WATER TREATMENT DEVICE

(51) International classification	:B01D 24/12
(31) Priority Document No	:0906335.5
(32) Priority Date	:09/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050601
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/116186
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AQUACYC LIMITED

Address of Applicant :FLAT/RM 1601, SOUTH CHINA  
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CHINA

(72)Name of Inventor :

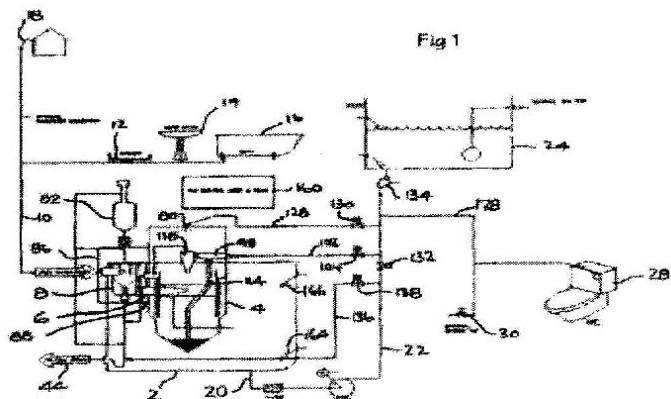
1)PARKINSON, DAVID, JOHN

2)DELVES, JAMES, EDWARD

3)WONG, KAM

(57) Abstract :

A water treatment system, for example for treating grey water from domestic appliances (12, 14, 16) comprises a water treatment device 4 containing a filter media through which the water passes to remove particulates and bio-matter. The device (4) has a lid (78) provided with a spraying device (80). The spraying device (80) may, for example, receive treated water along a line (128), possibly with the addition of an anti- foaming agent. Operating of the spraying device thus serves to collapse any foam generated within the water treatment device (4). Filter media can be cleaned periodically in a cyclone (116), after being drawn up through a pipe (114) by means of a jet pump (98), receiving treated water along a line (102). Treated water is stored in a storage tank (24) for subsequent use in, for example, a WC (28).



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7392/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ENDOSCOPE HOOD AND ENDOSCOPE WITH THE SAME MOUNTED THEREON

(51) International classification	:A61B 1/0
(31) Priority Document No	:2009-095467
(32) Priority Date	:10/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/002570
Filing Date	:18/04/2010
(87) International Publication No	:WO 2010/116745
(61) 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 BAKELITE CO., LTD.**

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(72)Name of Inventor :

**1)HIROAKI HASHIDO**

**2)ETSURO YAMABE**

**3)SHINETSU HARATA**

---

(57) Abstract :

An endoscope hood (1) has a cylindrical shape with both ends opened and is mounted on a tip end portion (3) in a longitudinal axis direction of an endoscope (2) provided with an optical system at least including an observation system (5) and a treatment system to be used. The endoscope hood (1) is provided with an endoscope mounting unit (18) having a base end side opening (21) configured to be mounted on the tip end portion (3) of the endoscope (2) and a hood main body (17) having a tip end side opening (10) of which outer diameter perpendicular to the longitudinal axis direction is smaller than the outer diameter of the base end side opening (21), wherein, in a state in which the base end side opening (21) is mounted on the tip end portion (3) and the tip end portion (3) is seen in the longitudinal axis direction, the optical system and the treatment system are located on the inside of the tip end side opening (10).

No. of Pages : 45 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7451/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HIGH-PRESSURE PUMP

(51) International classification	:F04B 1/04
(31) Priority Document No	:10/2009002132.9
(32) Priority Date	:02/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/051475
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/112253
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

Address of Applicant :POSTFACH 30 02 20, STUTTGART  
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(72)Name of Inventor :

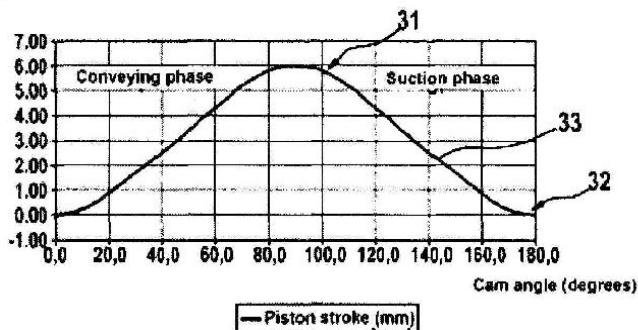
1)VALLON, WERNER

2)MUELLER, OTTO

(57) Abstract :

The present subject matter relates to a high-pressure pump (1) for a fuel injection device of an internal combustion engine, in particular for a common-rail system. The high-pressure pump (1) includes a cam power train, in which a rotational movement of a cam shaft (3) is transformed by at least one cam (7) into a stroke movement of a pump piston (9) of the high-pressure pump (1). A cam contour of the cam (7) is formed in such a way that during a suction phase of the high-pressure pump (1) in a range from a top dead center (31) to a bottom dead center (32), in which fuel is sucked into a pump working chamber (14), the stroke movement of the pump piston (9) follows a sinusoidal course as a function of a cam rotation angle.

**Fig. 3**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7454/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : APPARATUS FOR BONE RESTORATION OF THE SPINE AND METHODS OF USE

(51) International classification	:A61B 17/70
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2009/005385
Filing Date	:12/03/2009
(87) International Publication No	:WO 2010/103344
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)VEXIM

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BALMA, FRANCE

(72)Name of Inventor :

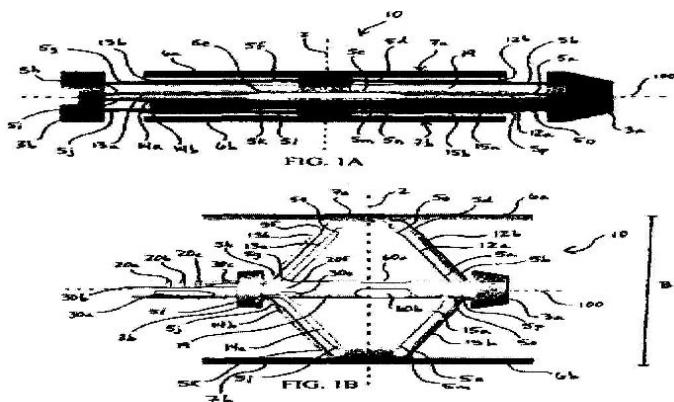
1)OGLAZA, JEAN-FRANCOIS

2)BANOUSKOU, EZZINE

3)VIENNEY, CECILE

(57) Abstract :

The subject disclosure is directed to systems, apparatuses, devices and methods for vertebral and spinal correction. In some embodiments, an expandable implant is provided which may be inserted inside the vertebral body and/or between two vertebrae, for instance, for maintenance and/or restoration of a space therein or there between. In certain embodiments, the implant includes a mechanical resistance that prevents the expandable implant from contracting once it has been expanded. Methods of treatment and methods of use of such implants for the alleviation of back pain (for example) are also provided herein.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7425/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : IMPROVED ANTI-BIOFOULING COATING

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(51) International classification	:C09D 5/16
(31) Priority Document No	:09156146.4
(32) Priority Date	:25/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/053924
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/108985
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BUSKENS, PASCAL JOZEF PAUL**

**2)VERMEULEN, JACOBUS ADRIAAN ANTONIUS**

**3)DE RIJK, RONNIE BERNARDUS MARIA**

**4)THIES, JENS CHRISTOPH**

**5)QIU, JUN**

(57) Abstract :

The invention relates to a coating material suitable for providing a substrate with an anti-biofouling coating, the coating material comprising a macromolecule comprising: (A) a macromolecular scaffold comprising a reactive group capable of undergoing a Michael type reaction between a Michael type acceptor group and a Michael type donor group, (B) at least one functional moiety attached to the macromolecular scaffold, said at least one functional moiety comprising a hydrophilic moiety, wherein the functional moiety is derivable from a Michael type reaction, involving the reactive group on the macromolecular scaffold and a reactive hydrophilic moiety and (C) at least one moiety capable of crosslinking the coating material.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7428/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : TYRE FOR HEAVY VEHICLES COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING ELEMENTS

(51) International classification	:B60C 9/22
(31) Priority Document No	:0952264
(32) Priority Date	:07/04/2009
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/EP2010/054533 :06/04/2010
(87) International Publication No	:WO 2010/115992
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)MICHELIN RECHERCHE ET TECHNIQUE S.A

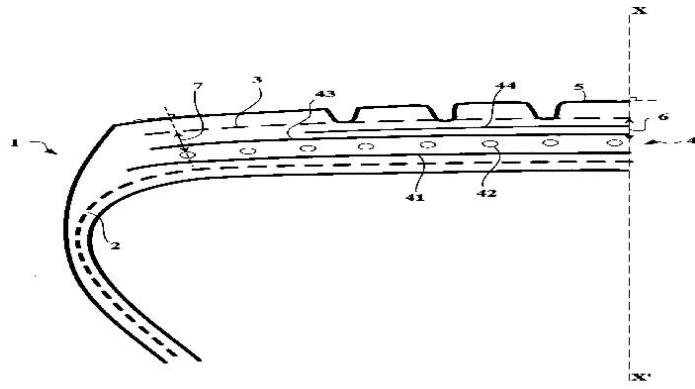
(72)Name of Inventor :

1)JOEL DELEBECQ  
2)GILLES GODEAU

(57) Abstract :

The invention relates to a tyre with radial carcass reinforcement comprising a crown reinforcement formed of at least two working crown layers, itself radially capped by a tread, the said tread being connected to two beads by two sidewalls, and the crown reinforcement comprising at least one layer of circumferential reinforcing elements. According to the invention, that the reinforcing elements of the layer of circumferential reinforcing elements are stranded cords exhibiting, between their initial state and their state when extracted from the tyre, a reduction greater than 15 GPa and preferably greater than 20 GPa in the maximum tangent modulus.

FIG. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7460/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : FIBER SIZING COMPRISING NANOPARTICLES

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(51) International classification	:C07C 317/00
(31) Priority Document No	:61/168,502
(32) Priority Date	:10/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021874
Filing Date	:22/01/2010
(87) International Publication No	:WO 2010/117475
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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**1)WAICUKAUSKI, JAMES, A.**

**2)SHAH, TUSHAR, K.**

**3)GALLO, CHRISTINA**

**4)MALECKI, HARRY, C.**

**5)ALBERDING, MARK, R.**

**6)LEDFORD, JORDAN, T.**

---

(57) Abstract :

A fiber sizing formulation includes (1) a nanoparticle (NP)solution that includes a dispersion of transition metal nanoparticles (NPs) in a solvent and (2) a first fiber sizing agent. The NPs disperse throughout the first fiber sizing agent after application of the fiber sizing formulation to a fiber and removal of the solvent. The NPs serve a function selected from a secondary sizing agent, a catalyst for further nanostructure growth on the fiber, and combinations thereof A fiber includes a sizing disposed about the fiber. The sizing includes transition metal nanoparticles dispersed throughout the sizing. A method includes applying the sizing formulation to a fiber during manufacture of the fiber, and removing the solvent from the applied formulation. A method includes adding a solution of transition metal NPs to a sizing-coated fiber and baking, whereby the sizing solution of NPs is added before baking the sizing.

No. of Pages : 23 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7463/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : RAPID LATERAL FLOW GLYCAN-DETECTING DEVICE

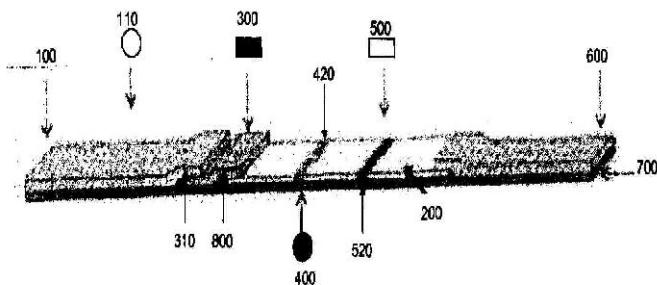
(51) International classification :G01N 33/35  
(31) Priority Document No :61/157,933  
(32) Priority Date :06/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/026529  
    Filing Date :08/03/2010  
(87) International Publication No :WO 2010/102285  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

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**1)CHILDREN'S HOSPITAL MEDICAL CENTER**  
Address of Applicant :333 BURNET AVENUE  
CINCINNATI, OHIO 45229-3039 UNITED STATES OF  
AMERICA  
**2)THE GENERAL HOSPITAL CORPORATION**  
**3)INSTITUTO NACIONAL DE CIENCIAS MEDICAS Y  
NUTRICION**  
(72)**Name of Inventor :**  
**1)MORROW, ARDYTHE L.**  
**2)NEWBURG, DAVID S.**  
**3)RUIZ-PALACIOS, GUILLERMO M.**

(57) Abstract :

A glycan-detecting device containing a sample pad, a membrane in communication with the sample pad, a labeled lectin, an immobilized lectin of the same type, and an immobilized antibody specific to the lectin.

Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7488/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : TUBULAR FILM FOR FOODSTUFF CASING AND A FOODSTUFF CASING PRODUCED FROM THE FILM

(51) International classification	:A22C 13/00	(71) <b>Name of Applicant :</b> <b>1)DSM IP ASSETS B.V</b> Address of Applicant :HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLAND, Netherlands
(31) Priority Document No	:09158266.8	
(32) Priority Date	:20/04/2009	
(33) Name of priority country	:EUROPEAN UNION	(72) <b>Name of Inventor :</b> <b>1)TIJSSEN, PASCAL MARIA HUBERT PIERRE</b>
(86) International Application No	:PCT/EP2010/055154	
Filing Date	:20/04/2010	
(87) International Publication No	:WO 2010/055154	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A tubular film for foodstuff casings, which film is produced from a polymer composition containing a thermoplastic polyester that has a complex shear viscosity # of at least 3000 Pa.s measured ISO 6721-10:1999 at 240 °C and 0.1 rad/s. Also claimed is a foodstuff casing produced from the tubular film.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7466/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SYSTEM AND METHOD FOR DIRECT COMMUNICATION BETWEEN WIRELESS COMMUNICATION DEVICES

(51) International classification	:H04W 88/06
(31) Priority Document No	:12/397,225
(32) Priority Date	:03/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025949
Filing Date	:02/03/2010
(87) International Publication No	:WO 2010/101940
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)E3 LLC

Address of Applicant :660 NEWPORT CENTER DR., SUITE 200 NEWPORT BEACH, CALIFORNIA, 92660 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)JABARA, GARY B.

2)KARMIS, CHRISTOS

(57) Abstract :

A wireless communication device includes conventional components to permit a network communication link to be established with a wireless communication network. In addition, the wireless communication device includes a non-network transceiver that detects the presence of a wireless access point. When two such equipped devices come within proximity of the access point, a non-network wireless communication link is established. The two devices exchange portions of profile data which is analyzed to determine if a match exists. If a match occurs, a contact notification is generated. This permits the wireless communication device to act as an auto-detecting social network device that detects the proximity of other devices whose owners have a profile that matches the stored user preference data. Subsequent communication may occur in a conventional manner using the wireless network communication channels and web applications may also be used to gain additional information.

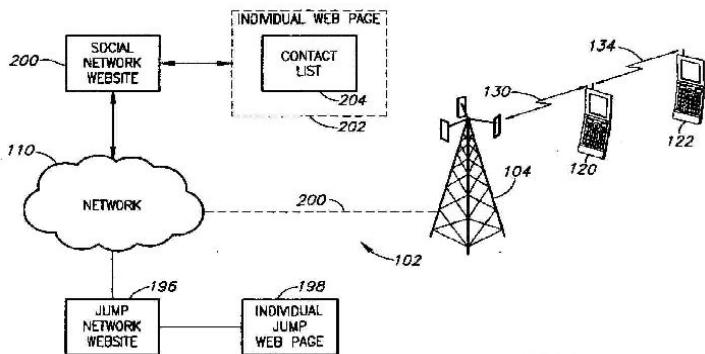


FIG.4

No. of Pages : 53 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7469/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD AND DEVICE FOR MANAGING HYBRID AUTOMATIC REPEAT REQUEST MULTI-PROCESS DATA

(51) International classification	:H04L 1/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/071937
Filing Date	:22/05/2009
(87) International Publication No	:WO 2010/133041
(61) 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, CITY, GUANGDONG PROVINCE 518057, P.R. CHINA

(72)Name of Inventor :

1)BI, MIN

2)SHE, YUANJUN

(57) Abstract :

A method and apparatus for Hybrid Automatic Repeat request multi-process data management are disclosed in the present invention. The method comprises: a physical layer L1 of a HSUPA terminal device maintaining each process for sending HSUPA uplink process transmission data, that is, MAC-e data; when the L1 receives a Negative Acknowledgement (NACK) information corresponding to one process, the L1 autonomously selecting the MAC-e data of the process from a cache to retransmit the MAC-e data; and when the L1 receives an Acknowledgement (ACK) information corresponding to one process, the L1 notifying a Medium Access Control (MAC) layer to assemble new MAC-e data, and the L1 obtaining the new MAC-e data from the MAC layer and sending the new MAC-e data. The present invention uses fast scheduling of the L1 to achieve the high-speed HSUPA retransmission, so that the terminal can fulfill fast scheduling and assembly of the uplink data.

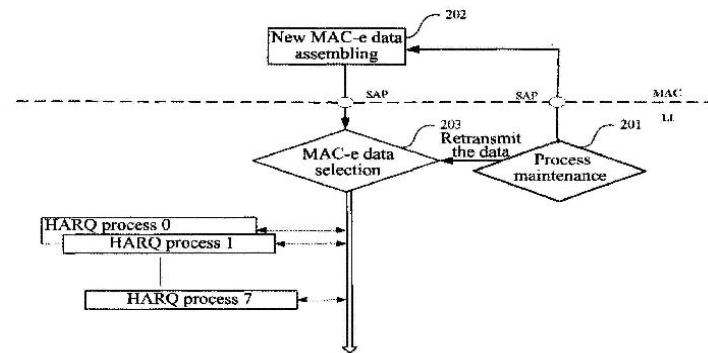


FIG. 2

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7495/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : STRETCHABLE LAMINATES OF NONWOVEN WEB(S) AND ELASTIC FILM

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(51) International classification	:B23B 25/10
(31) Priority Document No	:61/167,628
(32) Priority Date	:08/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030365
Filing Date	:08/04/2010
(87) International Publication No	:WO 2010/118214
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)TURNER ROBERT HAINES**

**2)ZGODA DONALD**

**3)DANIELS WALTER DOUGLAS**

**4)BADER JIM THOMAS**

**5)GALVIS ERIKA FABIOLA**

---

(57) Abstract :

A stretchable laminate, a process of making a stretchable laminate and a disposable absorbent article that includes a stretchable laminate are disclosed. The stretchable laminate includes a nonwoven web and a web of elastomeric material. The nonwoven web includes two layers of spunbond multi-component fibers and one layer of meltblown fibers. The multi-component fibers include a first polymer and a second polymer having different melt temperatures. Thermo-bonds are formed at least partially through the nonwoven web. Some of the thermo-bonds can be elongated in the cross-machine direction of the nonwoven web.

No. of Pages : 53 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7496/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : STRETCHABLE LAMINATES OF NONWOVEN WEB(S) AND ELASTIC FILM

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(51) International classification	:B32B 15/10
(31) Priority Document No	:61/167,633
(32) Priority Date	:08/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/03068
Filing Date	:08/04/2010
(87) International Publication No	:WO 2010/118216
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)ZGODA DONALD**

**3)DANIELS WALTER DOUGLAS**

**4)BADER JIM THOMAS**

**5)GALVIS ERIKA FABIOLA**

---

(57) Abstract :

A stretchable laminate, a process of making a stretchable laminate and a disposable absorbent article that includes a stretchable laminate are disclosed. The stretchable laminate includes a nonwoven web and a web of elastomeric material. The nonwoven web includes three layers of spunbond fibers and two layers of meltblown fibers. The side of the nonwoven web that includes two layers of spunbond fibers is attached to the elastomeric material.

No. of Pages : 53 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7497/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SUBSTITUTED IMIDAZO[1,2-A]PYRIDINE DERIVATIVES, PHARMACEUTICAL COMPOSITIONS, AND METHODS OF USE AS -SECRETASE INHIBITORS

(51) International classification	:C07D 471/04	(71) <b>Name of Applicant :</b> <b>1)HIGH POINT PHARMACEUTICALS LLC</b> Address of Applicant :4170 MENDENHALL OAKS PARKWAY, HIGH POINT, NORTH CAROLINA 27265, U.S.A.
(31) Priority Document No	:61/173,180	
(32) Priority Date	:27/04/2009	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/US2010/031781 :20/04/2010	<b>1)MJALLI ADNAN M.M.</b> <b>2)HARI ANITHA</b> <b>3)GADDAM BAPU</b> <b>4)GOHIMUKKULA DEVI REDDY</b> <b>5)POLISETTI DHARMA RAO</b> <b>6)EL ABDELLAOUI HASSAN</b> <b>7)RAO MOHAN</b> <b>8)ANDREWS ROBERT CARL</b> <b>9)XIE RONGYUAN</b> <b>10)REN TAN</b>
(87) International Publication No	:WO 2010/126745	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention is directed to substituted imidazo[1,2-a]pyridine derivatives, pharmaceutically acceptable salts thereof, and tautomers of such compounds or salts, that inhibit -site amyloid precursor protein-cleaving enzyme (BACE) and that may be useful in the treatment of diseases in which BACE is involved, such as Alzheimer's disease. The invention is also directed to pharmaceutical compositions comprising these compounds and the use of these compounds and compositions in the treatment of such diseases in which BACE is involved.

No. of Pages : 113 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7499/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : RUBBER COMPOSITION AND TIRE USING SAME

(51) International classification	:C08L 7/00
(31) Priority Document No	:2009-082919
(32) Priority Date	:30/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055755
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/113973
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BRIDGESTONE CORPORATION**

Address of Applicant :10-1, KYOBASHI 1-CHOME, CHUO-KU, TOKYO 1048340, JAPAN.

(72)Name of Inventor :

**1)FUJIKI KUMI**

**2)MAEKAWA KAZUHIRO**

(57) Abstract :

Provided is a rubber composition that comprises a rubber component of at least one of natural rubber and synthetic rubber and a resin composition containing a novolak-type resorcin resin and a resol-type phenolic resin in which the content of the dimethylene ether group is within a specific range. Not using hexamethylenetetramine or hexamethoxymethylmelamine as a curing agent, the curability and the thermal stability of the resin composition have been enhanced; and the rubber composition has characteristics of high elasticity, large elongation at breakage and low heat generation. Also provided is a tire which comprises the rubber composition in the tire bead part thereof and, therefore, has improved durability in use thereof while concerning for the environmental safety.

No. of Pages : 44 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7552/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PACKAGED ANTIMICROBIAL MEDICAL DEVICE AND METHOD OF PREPARING SAME

(51) International classification	:A61B 17/06
(31) Priority Document No	:12/415,600
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/029233
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/117802
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ETHICON, INC.

Address of Applicant :U.S. ROUTE 22, SOMERVILLE, NJ 08876, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)MEHMET REYHAN

2)ROBERT CERWIN

(57) Abstract :

A method of making a packaged antimicrobial suture. The method includes the steps of providing a containment compartment molded from a polymeric resin comprising a polymeric material and an antimicrobial agent, positioning a suture within the containment compartment, the suture comprising one or more surfaces; covering the containment compartment having the suture in an outer package cover having an inner surface, and subjecting the outer package, the containment compartment and the suture to time, temperature and pressure conditions sufficient to vapor transfer an effective amount of the antimicrobial agent from the containment compartment to the suture, while retaining an effective amount of the antimicrobial agent on the containment compartment, thereby substantially inhibiting bacterial colonization on the suture and the containment compartment. A packaged antimicrobial suture is also provided.

No. of Pages : 47 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7554/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PASTILLATION OF AMMONIUM SULFATE NITRATE

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(51) International classification	:C05C 13/00
(31) Priority Document No	:12/415,312
(32) Priority Date	:30/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029136
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/11751
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)UOP LLC**

Address of Applicant :PATENT DEPARTMENT, 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS 60017, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)MICHAEL R. SMITH**

(57) Abstract :

A process is presented for the production of ammonium sulfate nitrate. The process provides for producing a highly uniform product and having a substantially uniform size. The process includes reacting ammonium sulfate and ammonium nitrate to form an FASN slurry melt. The slurry melt is continuously stirred and heated to keep the slurry melt under a shear thinned condition and at a uniform temperature until the slurry melt is extruded, cooled and solidified.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7555/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD FOR PREPARING A SUPERPLASTICIZER

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(51) International classification	:C08G 81/00
(31) Priority Document No	:0952098
(32) Priority Date	:01/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/05078
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/112750
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)CHRYSO

Address of Applicant :19 PLACE DE LA RESISTANCE, F-92440 ISSY LES MOULINEAUX, FRANCE

(72)Name of Inventor :

1)ALEXANDRE DESSEROIR

2)PHILIPPE MAITRASSE

(57) Abstract :

The invention chiefly concerns a method for preparing polyalkoxylated polycarboxylates in which the following are caused to react in the presence of water and a catalyst at a temperature of between 120 and 250°C: - at least one polycarboxylic acid obtained by polymerization of at least one unsaturated carboxylic acid; and at least one polyether carrying a free hydroxyl group capable of reacting with a carboxylic function of the said polycarboxylic acid, characterized in that the catalyst is an alkaline or alkaline-earth salt of a strong protic acid.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7448/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : FAN WHEEL FOR A BLOWER MODULE

(51) International classification	:F04D 29/28
(31) Priority Document No	:10 2009 002 418.2
(32) Priority Date	:16/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053926
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/118942
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

Address of Applicant :POSTFACH 30 02 20, STUTTGART  
70442, GERMANY

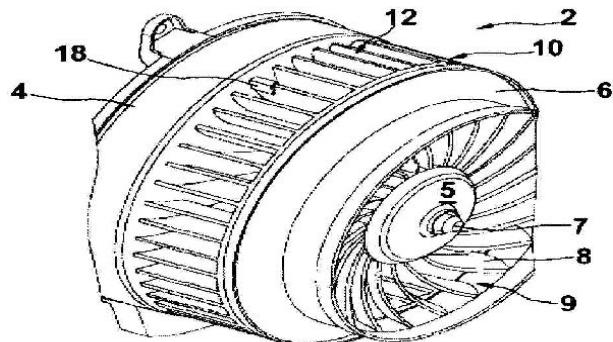
(72)Name of Inventor :

1)HUBER, MARTIN

2)PRAHL, DETLEF

(57) Abstract :

Described herein is a fan wheel (6) for a blower module (2), having a hub (5) and a radial fan ring (10) composed of a plurality of fan blades (12) and having means for resolving imbalances in the fan wheel (6). The fan wheel (6) further has balancing weights (18) fastened to radial ends of the fan blades (12).



**Fig. 1**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7472/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : REDUCTION OF RISK OF OBESITY

(51) International classification	:A23J 1/29
(31) Priority Document No	:09157086.1
(32) Priority Date	:01/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/054025
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/112429
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NESTEC S.A.**

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VEVEY, SWITZERLAND

(72)**Name of Inventor :**

**1)MACE, CATHERINE**

**2)APRIKIAN, OLIVIER**

---

(57) Abstract :

A nutritional composition comprising a significant amount of arachidonic acid (ARA) is described. Such nutritional composition is particularly suitable for infants below the age of 3 years, preferably between birth and 12 months of life. The composition can be used to reduce the risk of developing overweight/obesity and/or insulin resistance later in life.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7501/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : PREPARATION OF ISOLATED AGONIST ANTI-EDAR MONOCLONAL ANTIBODIES

(51) International classification	:C07K 16/28
(31) Priority Document No	:PCT/IB2009/005118
(32) Priority Date	:30/03/2009
(33) Name of priority country	:PCT
(86) International Application No	:PCT/IB2010/051385
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/113117
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :CHEMIN DE L'EGLISE 7, CH-1066 EPALINGES SWITZERLAND.

**2)UNIVERSITE DE LAUSANNE**

(72)Name of Inventor :

**1)SCHNEIDER PASCAL**

**2)DUNKEL NATHALIE**

**3)DEMOTZ STEPHANE**

(57) Abstract :

The present invention concerns the preparation of substantially purified agonist anti- EDAR monoclonal antibodies or isolated monoclonal antibody fragments or antigen binding portions or fragments thereof. The invention further relates to isolated agonist anti-EDAR monoclonal antibodies or isolated monoclonal antibody fragments or antigen binding portions or fragments thereof as well as their use in the treatment of X-linked hypohidrotic ectodermal dysplasia and tooth agenesis. The invention also relates to a pharmaceutical composition comprising said isolated agonist anti-EDAR monoclonal antibodies or isolated monoclonal antibody fragments or antigen binding portions or fragments thereof and to a method of treating X-linked hypohidrotic ectodermal dysplasia and tooth agenesis. Finally, the present invention concerns a pharmaceutical kit comprising said isolated agonist anti-EDAR monoclonal antibodies or isolated monoclonal antibody fragments or antigen binding portions or fragments thereof.

No. of Pages : 182 No. of Claims : 85

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7505/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : APPARATUS AND METHOD FOR COMPENSATING FOR CLIPPING POWER LOSSES

(51) International classification	:H04L 25/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/070699
Filing Date	:09/03/2009
(87) International Publication No	:WO 2010/102440
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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FAROGATAN 33, 164 51 KISTA, STOCKHOLM, SWEDEN

(72)Name of Inventor :

1)PEROULAS, JAMES

2)LIAO, QUN

(57) Abstract :

This invention provides an apparatus and method for compensating for transmit power losses that are caused by the addition of a clipping or crest factor reduction module in the TX path of a communications system. The method comprises the step of applying a gain to a signal input into the crest factor reduction module, so that a power of a signal output from the crest factor reduction module is equal to a power of a signal output from a baseband signal generation module in the TX chain. This invention has the benefit that the peaks of the signal to be transmitted will be consistent over a wide range of TX power values.

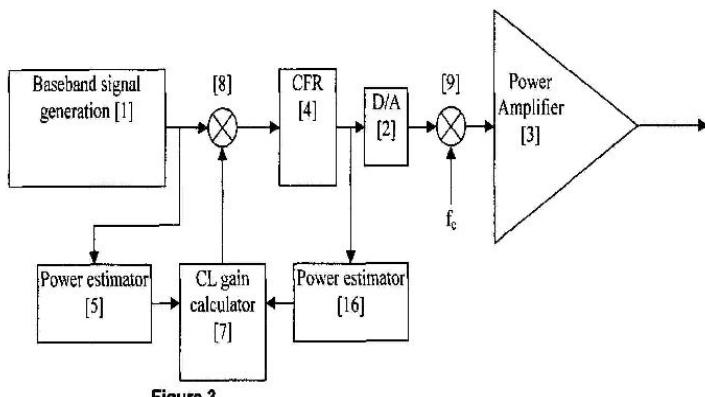


Figure 3

No. of Pages : 25 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7531/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD OF IMPROVING FILM PROCESSING AND INJECTION MOLDING OF POLYHYDROXYALKANOATE POLYMERS

(51) International classification	:C08G 63/00	(71) <b>Name of Applicant :</b> <b>1)METABOLIX, INC.</b> Address of Applicant :21 ERIE STREET CAMBRIDGE, MA 02139 (US) U.S.A.
(31) Priority Document No	:61/153,790	
(32) Priority Date	:19/02/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/030111 :06/04/2010	(72) <b>Name of Inventor :</b> <b>1)KRISHNASWAMY, RAJENDRA, K</b>
(87) International Publication No	:WO 2010/118041	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Processing and improvements in processing of polyhydroxyalkanoate polymer films, sheet, injection moldings, thermoforms, and blow moldings are provided, by use of particular types of calcium carbonate. Methods for using the calcium carbonates in processing of polyhydroxyalkanoate polymers are also disclosed, as well as polyhydroxyalkanoate polymer compositions comprising the calcium carbonates, and articles made therefrom.

No. of Pages : 90 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7562/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ULTRAVIOLET-CURABLE RESIN COMPOSITION FOR MULTILAYER OPTICAL DISK

(51) International classification	:G11B 7/26
(31) Priority Document No	:2009-084534
(32) Priority Date	:31/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055760
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/113976
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NIPPONKAYAKU KABUSHIKIKAISHA

Address of Applicant :11-2, FUJIMI 1-CHOME, CHIYODA-KU, TOKYO 102-8172 Japan

(72)Name of Inventor :

1)TSUTSUMI, HIROKI

2)KOBAYASHI, DAISUKE

3)MATSUO, YUICHIRO

4)OGI, SATOSHI

5)NAITOU, MASAHIRO

6)KIDOMA, JUN

(57) Abstract :

An object of the present invention is to provide a base for an optical disk which is excellent in mass productivity for substrate formation by a 2P method, exhibits a particularly good releasability from a stamper, and has a strong close adhesive force to a reflective film layer or a dielectric layer even under high temperature and high humidity. The invention relates to an ultraviolet-curable resin composition for a multilayer optical disk, which enables formation of such a base for an optical disk. The ultraviolet-curable resin composition for a multilayer optical disk according to the invention contains (A) a hexa- or higher-functional urethane (meth)acrylate obtained by reacting an organic isocyanate having two or more isocyanate groups in one molecule thereof with a tri- or higher-functional (meth)acrylate having a hydroxyl group, (B) a tri- or lower-functional (meth)acrylate monomer, and (C) a photopolymerization initiator.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7456/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PRODUCTION OF SEPARATION MATERIALS FOR ADHESIVE TAPES

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(51) International classification	:C09J 7/02
(31) Priority Document No	:102009011166.2
(32) Priority Date	:04/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/052107
Filing Date	:19/02/2010
(87) International Publication No	:WO 2010/100041
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)TESA SE**

Address of Applicant :QUICKBORNSTRAE 24, 20253  
HAMBURG (DE) Germany

(72)**Name of Inventor :**

**1)PRENZEL, ALEXANDER**

(57) Abstract :

The invention relates to a method for producing a separative layer of a release liner based on a formulation comprising at least one alkenyl-substituted organopolysiloxane, wherein the formulation is present in solution, a metathesis catalyst is added to the solution, the solution supplied with the catalyst is applied to a carrier material and a metathesis reaction of the alkenyl-substituted organopolysiloxane takes place on the carrier material to cure the formulation, and separative layers that can be obtained by said method.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7484/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : RECLOSABLE CLOSURE OF A LIQUID CONTAINER

(51) International classification	:B65D 47/26
(31) Priority Document No	:A 550/2009
(32) Priority Date	:07/04/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/EP2010/054566
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/115911
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)XOLUTION GMBH

Address of Applicant :TENGSTRASSE 37, 80796  
MUNCHEN, GERMANY

(72)Name of Inventor :

1)BRATSCH, CHRISTIAN

(57) Abstract :

The invention relates to a reclosable closure (100) of a liquid container, in particular a beverage can (200), comprising a lid (300) that closes the liquid container by way of a flanged edge (310) and comprising a cover (400), with the lid (300) having an outlet opening (320) which can be exposed by twisting the cover (400) arranged on the lid (300), and the lid (300) comprises at least one recess (360, 361) for accommodating at least one sealing means (430) between the lid (300) and the cover (400). Fig. 7a

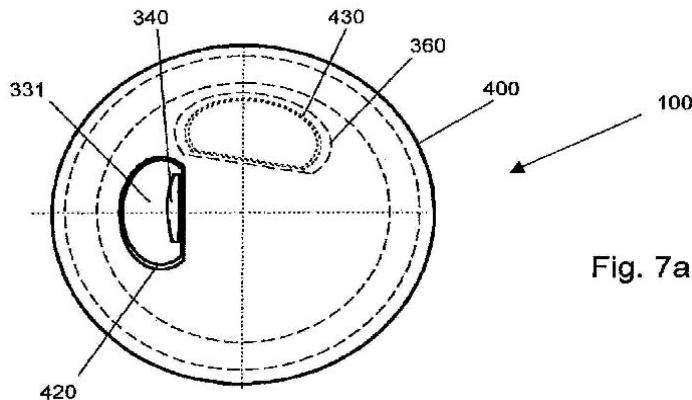


Fig. 7a

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7536/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : TORQUE SUPPORT

(51) International classification	:H02K 5/26
(31) Priority Document No	:10 2009 003 747.0
(32) Priority Date	:06/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053107
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/115676
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AS DRIVES & SERVICES GMBH formerly known as AS Antriebstechnik & Service GmbH  
Address of Applicant :INDUSTRIESTRASSE 17, 48734 REKEN, GERMANY

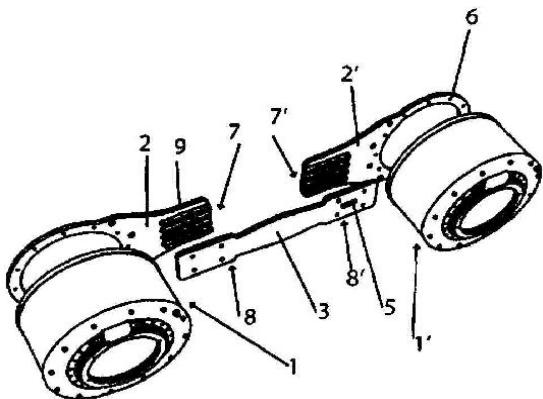
(72)Name of Inventor :

1)KASPARI, GERD  
2)RIBBERS, WALTER  
3)JAGODOWSKI, ANDRE

(57) Abstract :

The invention relates to a torque support for motors, in particular drive motors, comprising at least one first and one second fixing unit that can be non-rotatably mounted to at least one first and one second motor and at least one connecting element between the first and the second fixing element. The invention is characterised in that the connecting element is designed to be moved at least in its longitudinal direction, in order to compensate differences in distance between the motors.

Fig 1d



No. of Pages : 25 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7539/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : CUTTING INSERT AND CUTTING EDGE REPLACEABLE CUTTING TOOL

(51) International classification	:B23C 5/20
(31) Priority Document No	:2009-089734
(32) Priority Date	:02/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/056016
Filing Date	:01/04/2010
(87) International Publication No	:WO 2010/114094
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TUNGALOY CORPORATION

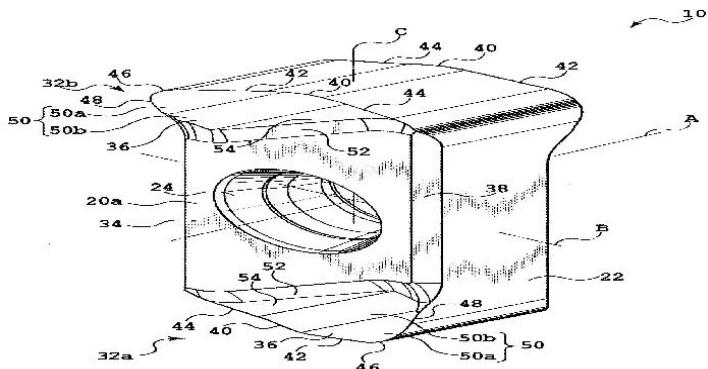
Address of Applicant :11-1, YOSHIMA-KOGYODANCHI,  
IWAKI-SHI, FUKUSHIMA 9701144, JAPAN

(72)Name of Inventor :

1)RYUICHI SAJI

(57) Abstract :

A cutting insert (10) according to the present invention includes two end surfaces (20) each having a main surface (34) usable as an attachment surface to a tool body, a peripheral side surface (22) extending between the two end surfaces and a plurality of cutting edge portions (32) each formed at an intersection between each end surface and the peripheral side surface. Each cutting edge portion (32) includes a corner edge (40) formed at a corner of a related end surface (20), a major cutting edge (42) extending from one end of the corner edge (40) and extending so as to depart from an intermediate plane defined to be perpendicular to the first axis (A) and to include the second axis (B) , and a minor cutting edge (44) extending from the other end of the corner edge (40) and extending in a direction to approach the intermediate plane.



**FIG.1**

No. of Pages : 71 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7569/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ANCHORING HARPOON INTENDED IN PARTICULAR FOR AN AIRCRAFT AND ANCHORING SYSTEM INCLUDING ONE SUCH HARPOON

(51) International classification	:B64F 1/12	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0952177	<b>1)DCNS</b>
(32) Priority Date	:03/04/2009	Address of Applicant :40-42 RUE DU DOCTEUR FINLAY, F-75015 PARIS, FRANCE
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2010/050076	<b>1)RONAN AFFRE DE SAINT ROME</b>
Filing Date	:19/01/2010	
(87) International Publication No	:WO 2010/112717	
(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 anchoring harpoon intended in particular for an aircraft, capable of cooperating with an anchoring grate of a platform, comprising jack means including cylinder means containing mobile piston means provided with a rod that extends beyond the cylinder means, the free end of which includes a harpoon head (7) that is hooked in the grate and comprises retaining fingers (8,13, 14) that can be moved between a retracted position and an active position by control means (9). The invention is characterised in that the means (9) for controlling the movements of the fingers comprise a control piston (18) which can slide inside the rod of the jack and which is associated with a bistable actuator (19) of the fingers, capable of moving between a retracted position and an active position in which the fingers are deployed with the application of successive pressure pulses in the jack means.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/09/2011

(21) Application No.7490/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : LASER IMAGING

(51) International classification	:G03C 1/73
(31) Priority Document No	:0905785.2
(32) Priority Date	:02/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/05082
Filing Date	:01/04/2010
(87) International Publication No	:WO 2010/112940
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)DATALASE, LTD.**

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(72)Name of Inventor :

**1)JARVIS, ANTHONY**

**2)WALKER, MARTIN**

**3)WYRES, CHRISTOPHER**

**4)PHILLIPS, TRISTAN**

---

(57) Abstract :

A method of forming an image on a substrate, which comprises applying to the substrate an activatable colour forming compound wherein said activatable colour forming compound is initially unreactive but becomes reactive upon activation; activating said colour forming compound in the areas of the substrate where the image is to be formed, and, reacting the activated colour forming compound into its coloured form to produce an image. A substrate imaged using this method is also provided.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7519/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PUNCTAL PLUGS

(51) International classification	:A61F 9/007
(31) Priority Document No	:61/165,413
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029042
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/117719
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)JOHNSON & JOHNSON VISION CARE, INC.**

Address of Applicant :7500 CENTURION PARKWAY,  
JACKSONVILLE, FL 32256, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)VICTOR LUST**

**2)PHILLIP KING PARRELL, SR.**

**3)VINCENT MCATEER**

**4)BRIAN SCHWAM**

**5)HASSON CHAOUK**

---

(57) Abstract :

Punctal plugs for delivering therapeutic agents to the eye have a body with a portion into which the therapeutic agent is loaded and a conical anchor portion at an end of the plug.

No. of Pages : 23 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7520/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PUNCTAL PLUGS

(51) International classification	:A61F 9/007
(31) Priority Document No	:61/165,417
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029048
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/117722
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)JOHNSON & JOHNSON VISION CARE, INC.**

Address of Applicant :7500 CENTURION PARKWAY,  
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(72)Name of Inventor :

**1)VICTOR LUST**

**2)PHILLIP KING PARRELL, SR.**

**3)VINCENT MCATEER**

**4)BRIAN SCHWAM**

**5)HASSEON CHAOUK**

---

(57) Abstract :

Punctal plugs for delivering therapeutic agents have a body, a portion into which the therapeutic agent is held, a winding about the body, and an enlarged portion or anchor at an end.

No. of Pages : 22 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7542/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD AND APPARATUS FOR ADJUSTING A STRAP OF A SAFETY HARNESS

(51) International classification	:A62B 35/00
(31) Priority Document No	:12/415,412
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028616
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/117651
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :3833 SALA WAY, RED WING, MN 55066-5005, UNITED STATES OF AMERICA

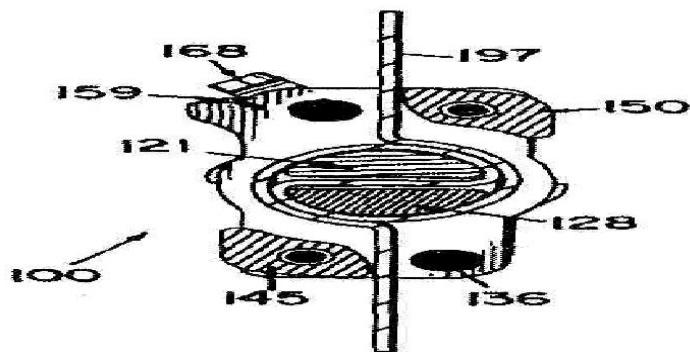
(72)Name of Inventor :

1)WOLNER, J., THOMAS

(57) Abstract :

An adjuster adjusts a length of at least one strap of a safety harness. The at least one strap is selected from the group consisting of at least one shoulder strap, at least one chest strap, at least one waist strap, at least one seat strap, and at least one leg strap. The adjuster comprises a base, a shaft rotatably operatively connected to the shaft and defining a slot configured and arranged to receive the at least one strap, and a locking mechanism interconnecting the base and the shaft. The locking mechanism allows rotation of the shaft in a first direction and prevents rotation of the shaft in a second opposite direction. A method of adjusting a length of at least one safety harness strap with an adjuster comprises positioning the adjuster at a desired location along the at least one strap, winding the at least one strap about the shaft, and locking the shaft with the locking mechanism to prevent rotation in an unwinding direction. The at least one strap is selected from the group consisting of at least one shoulder strap, at least one chest strap, at least one waist strap, at least one seat strap, and at least one leg strap. The adjuster includes a base, a shaft rotatably operatively connected to the shaft and defining a slot configured and arranged to receive the at least one strap, and a locking mechanism interconnecting the base and the shaft. The locking mechanism allows rotation of the shaft in one direction and prevents rotation of the shaft in an opposite direction.

FIG. 11



No. of Pages : 54 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7547/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NEWCASTLE DISEASE VIRUS VECTORED AVIAN VACCINES

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(51) International classification	:C07K 14/11
(31) Priority Document No	:61/166,481
(32) Priority Date	:03/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029825
Filing Date	:02/04/2010
(87) International Publication No	:WO 2010/115133
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)MERIAL LIMITED**

Address of Applicant :3239 SATELLITE BLVD, DULUTH, GA 30096 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)BUBLOT, MICHEL**

**2)REYNARD, FREDERIC**

**3)LE GROS, FRANCOIS-XAVIER**

---

(57) Abstract :

The present invention encompasses engineered Newcastle Disease Virus (NDV) vaccines or compositions. The vaccine or composition may be a recombinant vaccine. The invention also encompasses recombinant vectors encoding and expressing avian pathogen antigens, more specifically avian influenza proteins, epitopes or immunogens. Such vaccines or compositions can be used to protect animals, in particular avian, against disease.

No. of Pages : 187 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7576/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PNEUMATIC TYRE, THE BELT OF WHICH IS REINFORCED BY A THERMOPLASTIC POLYMER FILM

(51) International classification	:B32B 25/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0952347	<b>1)SOCIETE DE TECHNOLOGIE MICHELIN</b> Address of Applicant :23 RUE BRESCHET F-63000, CLERMONT-FERRAND, FRANCE
(32) Priority Date	:09/04/2009	<b>2)MICHELIN RECHERCHE ET TECHNIQUE S.A.</b>
(33) Name of priority country	:France	
(86) International Application No	:PCT/EP2010/054486	(72) <b>Name of Inventor :</b>
Filing Date	:06/04/2010	<b>1)CHRISTOPHE LE CLERC</b>
(87) International Publication No	:WO 2010/115861	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Pneumatic tyre, the belt of which is reinforced by a multilayer laminate comprising at least one multiaxially drawn thermoplastic polymer film, such as for example a biaxially drawn PET film, placed between and in contact with two layers of rubber composition, such as natural rubber. Preferably, the thermoplastic polymer film has, irrespective of the tensile direction considered, a tensile modulus E which is greater than 500 MPa, a maximum tensile stress  $\sigma_{max}$  which is greater than 80 MPa, and an elongation at break Ar greater than 40%. The above thermoplastic polymer film, placed between two layers of diene rubber compositions, can especially be used in the belt of pneumatic tyres as a perforation-resistant protective film.

No. of Pages : 23 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.7565/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : COMBINED WING AND TURBINE DEVICE FOR IMPROVED UTILIZATION OF FLUID FLOW ENERGY

(51) International classification

:F03D 1/04

(31) Priority Document No

:PA 2009 00546

(32) Priority Date

:28/04/2009

(33) Name of priority country

:Denmark

(86) International Application No

:PCT/DK2010/050092

Filing Date

:23/04/2010

(87) International Publication No

:WO 2010/124692

(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)BANG-MOELLER, SOEREN**

Address of Applicant :BROLUNDVEJ 15, DK - 5471  
SOENDERSOE, DENMARK

(72)Name of Inventor :

**1)BANG-MOELLER, SOEREN**

(57) Abstract :

There is provided a device for production of electrical, mechanical or hydraulic energy by using wind or other fluid currents. This is achieved by blocking a portion of the flow through an edge positioned wing (1) alone or in combination with a longitudinal wing (2). The invention includes an edge positioned wing (1), a rotor (5), a bottom profile (4), gable profiles / lamellas (3) and turbine lamellas (12) to focus the flow towards the rotor (5). Perforations (10) or gaps (7) in or between the wings may improve the flow through or around the turbine.

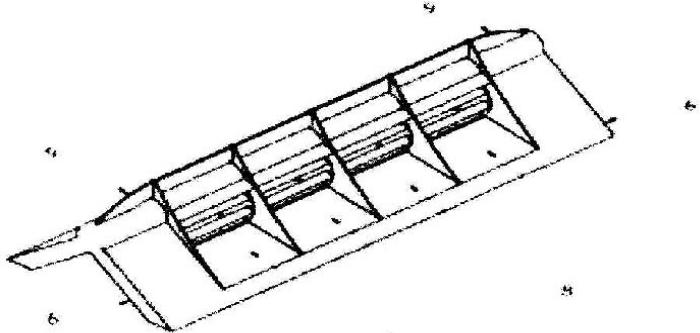


Fig. 15B

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7592/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : CONNECTING DEVICE FOR ARTICULATED CONNECTION OF CONNECTING ELEMENT CONNECTED TO WIPER ARM

(51) International classification	:B60S 1/40
(31) Priority Document No	:10 2009 002 764.5
(32) Priority Date	:30/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053002
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/124/896
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

Address of Applicant :POSTFACH 30 02 20, STUTTGART  
70442 GERMANY

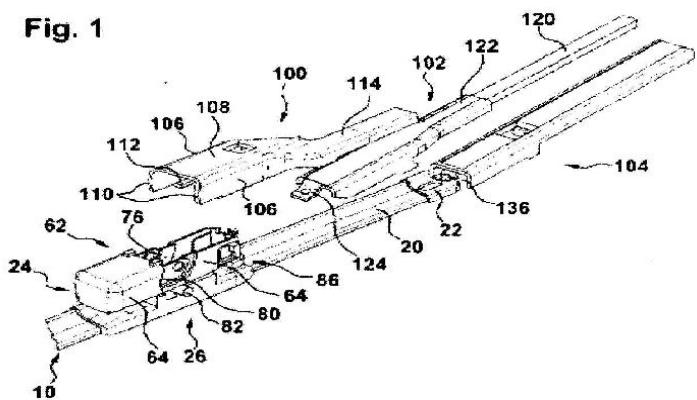
(72)Name of Inventor :

1)DEPONDT, HELMUT

(57) Abstract :

Described herein is a connecting device (24) for articulated connection of a connecting element (100, 102, 104, 142, 152, 162, 166) rigidly connected to a wiper arm by means of an adapter (62). The adapter (62) is held by the connecting element (100, 102, 104, 142, 152, 162, 166) in a rotationally fixed manner. The connecting device (24) includes a connector (26) fastened on a wiper blade (10), joint (52, 82) provided between the connector (26) and the adapter (62), and a frame, formed by the adapter (62), made of two side walls (64), of a front end wall (66) and of a rear end wall (70). According to the present subject matter, the adapter (62) further includes means (76, 78, 80, 86) for mounting and fixing three different connecting elements (100, 102, 104).

Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7594/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HIGH-PRESSURE PUMP

(51) International classification	:F02M 63/02
(31) Priority Document No	:10 2009 002 518.9
(32) Priority Date	:21/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/052373
Filing Date	:25/02/2010
(87) International Publication No	:WO 2010/121857
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

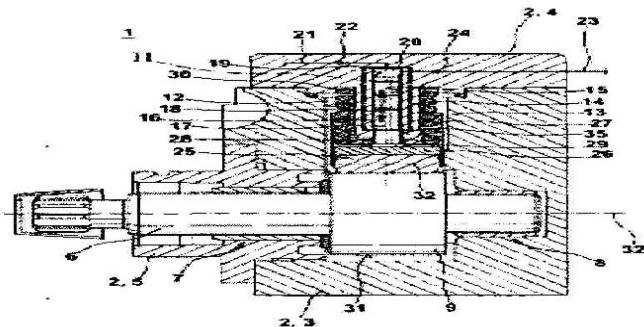
Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

1)DUTT, ANDREAS

(57) Abstract :

Described herein is a high-pressure pump (1), in particular radial piston pump or in-line piston pump, for fuel injection systems of air-compressing auto-ignition internal combustion engines. The high-pressure pump (1) includes at least one pump assembly (13) and a driving shaft (6). The pump assembly (13) includes a pump piston (16) guided in a cylinder bore (15) along an axis (17) of the cylinder bore (15). The pump piston (16) is driven by the driving shaft (6), and the pump piston (16) in the cylinder bore (15) delimits a pump working chamber (20). According to the present subject matter, the pump piston (16) is configured at least sectionally from a material that has an anisotropic elastic modulus.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7598/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : APPARATUS AND METHOD FOR A WIRELESS SENSOR TO MONITOR BARRIER SYSTEM INTEGRITY

(51) International classification	:E21B 41/00
(31) Priority Document No	:12/399,061
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/024369 :17/02/2010
(87) International Publication No	:WO 2010/101713
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

1)BP CORPORATION NORTH AMERICA INC.

Address of Applicant :501 WESTLAKE PARK  
BOULEVARD, HOUSTON, TEXAS 77079, UNITED STATES  
OF AMERICA

(72)**Name of Inventor :**

1)CROW, WALTER

2)DODDS, KEVIN

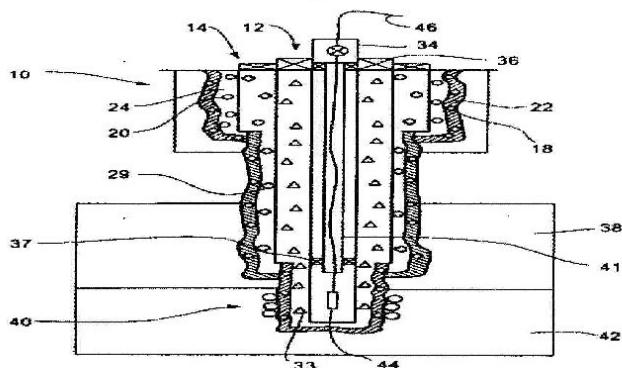
3)RIESE, WALTER, C.

4)LITTLE, CHESTER

(57) Abstract :

This invention relates to an apparatus and a method for a wireless sensor to monitor barrier system integrity, such as used or employed during sequestration of greenhouse gases. This invention includes an apparatus for integrity monitoring of a borehole suitable for sequestration of greenhouse gases. The apparatus includes one or more sensors for placement outside of a casing to monitor a borehole, and a tool for movement within the casing to power and interrogate the one or more sensors. This invention also includes a method for monitoring integrity of a borehole suitable for sequestration of greenhouse gases or other types of well. The method includes the step of disposing one or more sensors outside a casing and the step of powering the one or more sensors with a tool inside the casing. The method also includes the step of interrogating the one or more sensors with the tool to monitor an engineered borehole and/or a natural caprock seal.

**Fig. 5**



No. of Pages : 34 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7583/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : KERATIN DYEING COMPOSITIONS COMPRISING A RADICAL SCAVENGER AND A CHELANT AND USE THEREOF

(51) International classification	:A61Q 5/10
(31) Priority Document No	:61/170,872
(32) Priority Date	:20/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/031709
Filing Date	:20/04/2010
(87) International Publication No	:WO 2010/123866
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
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(72)**Name of Inventor :**

1)ZHANG, GUIRU

2)MURPHY, BRYAN, PATRICK

3)MARSH, JENNIFER, MARY

4)DAHLGREN, RICHARD, MARC

---

(57) Abstract :

The invention relates to colorant compositions for the oxidative dyeing of keratin fibers comprising an inhibiting system of radical scavengers and chelants in the dyeing composition. The invention also relates to methods for reducing color formation outside of the keratin fiber during oxidative dyeing comprising using such colorant compositions.

No. of Pages : 43 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7585/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CYCLIC INHIBITORS OF 11BETA-HYDROXYSTEROID DEHYDROGENASE 1

(51) International classification	:C07D 413/14
(31) Priority Document No	:PCT/US2009/002653
(32) Priority Date	:30/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033157
Filing Date	:30/04/2010
(87) International Publication No	:WO 2010/127237
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH**

Address of Applicant :BINGER STRASSE 173, D-55216  
INGELHEIM AM RHEIN, GERMANY

**2)VITAE PHARMACEUTICALS, INC.**

(72)**Name of Inventor :**

**1)RENZ, MARTIN**

**2)SCHUELE, MARTIN**

**3)XU, ZHENRONG**

---

(57) Abstract :

This invention relates to novel compounds of the Formula Ik, Im1, Im2, Im5, In1, In2, In5, lo1, lo2, lo5, Ip1, Ip3, pharmaceutically acceptable salts thereof, and pharmaceutical compositions thereof, which are useful for the therapeutic treatment of diseases associated with the modulation or inhibition of 11 -HSD1 in mammals. The invention further relates to pharmaceutical compositions of the novel compounds and methods for their use in the reduction or control of the production of Cortisol in a cell or the inhibition of the conversion of cortisone to Cortisol in a cell.

No. of Pages : 279 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7587/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DETERGENT COMPOSITION AND CLEANING METHOD THEREWITH

(51) International classification	:C11D 10/02
(31) Priority Document No	:2009-091322
(32) Priority Date	:03/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055157
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/113734
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MATSUMOTO YUSHI-SEIYAKU CO., LTD.

Address of Applicant :1-3, SHIBUKAWA-CHO, 2-CHOME,  
YAO-SHI, OSAKA 581-0075 Japan

(72)Name of Inventor :

1)TERA, HIDEKI

2)DOTE, HIROYUKI

3)KANDO, YOSHIHIRO

(57) Abstract :

An object of the present invention is to provide a detergent composition which comprises at least one enzyme selected from the group consisting of amylases, cellulases and pectinases, and an anionic surfactant having good penetrating and wetting performances and not inhibiting the activity of the enzyme, keeps good working environment, and has good penetrating, wetting and cleaning performances; and a cleaning method therewith. The present invention relates to a detergent composition comprising at least one enzyme (A) selected from the group consisting of amylases, cellulases and pectinases, and an anionic surfactant (B) produced by anionizing an alkylene oxide adduct of a C8-C18 aliphatic amine.

No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7590/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : USE OF TETRAHYDROBIOPTERIN AS A MARKER AND A THERAPEUTIC AGENT FOR FABRY DISEASE

(51) International classification	:A61 31/50
(31) Priority Document No	:61/168,150
(32) Priority Date	:09/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/030552 :09/04/2010
(87) International Publication No	:WO 2010/118330
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)BAYLOR RESEARCH INSTITUTE**

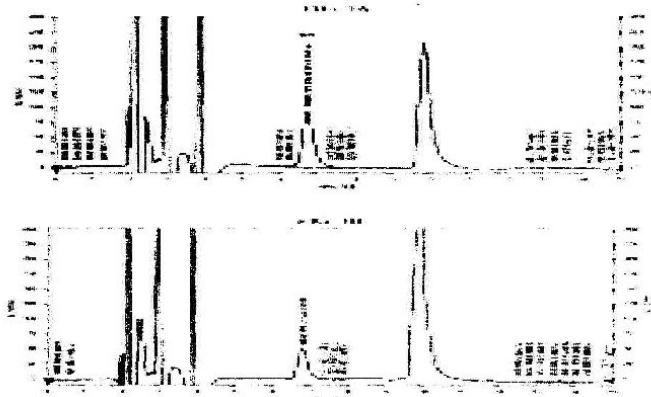
Address of Applicant :3310 LIVE OAK STREET, SUITE 501,  
DALLAS, TX 75201, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)SCHIFFMANN, RAPHAEL  
2)BOTTIGLIERI, TEODORO, G.  
3)ARNING, ERLAND  
4)MOORE, DAVID, F.**

(57) Abstract :

Blood and tissue markers of the metabolic status, risk of health complications in Fabry disease patients and as a biomarker to follow the efficacy of treatment in animal models and patients with Fabry disease comprising tetrahydrobiopterin (BH4), precursors and metabolites of BH4, and other related co-factors is disclosed herein. The present invention further describes the use of BH4 therapy as a treatment option for Fabry disease to prevent, slow or reverse vascular cardiac and renal manifestations of Fabry disease.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7612/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : HYBRID POLYMERS MADE OF CYANATES AND SILAZANES, METHOD FOR THE PRODUCTION AND USE THEREOF

(51) International classification	:C08G 77/54	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 013 410.7	<b>1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,</b>
(32) Priority Date	:16/03/2009	Address of Applicant :HANSASTRASSE 27C, 80686 MUNCHEN, GERMANY
(33) Name of priority country	:Germany	<b>2)CLARIANT INTERNATIONAL LTD.</b>
(86) International Application No	:PCT/EP2010/053405	(72) <b>Name of Inventor :</b>
Filing Date	:16/03/2010	<b>1)MONIKA BAUER</b>
(87) International Publication No	:WO 2010/106074	<b>2)DANIEL DECKER</b>
(61) Patent of Addition to Application Number	:NA	<b>3)FRANK RICHTER</b>
Filing Date	:NA	<b>4)MACIEJ GWIAZDA</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention refers to hybrid pre-polymers and polymers, produced through conversion from difunctional, oligofunctional and/or polyfunctional cyanates and/or from their pre-polymers with monomeric, oligomeric and/or polymeric silazanes. The polymers are duromers with high glass transition temperature and fracture toughness, compared to duromers from the respective cyanate source material. In their pre-polymerized state, they can be dissolved in solvents and are therefore suitable as impregnating resins for prepgs. In addition, they can be processed to become moldings. Their burning properties are described as particularly outstanding.

No. of Pages : 42 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7599/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : MECHANISM FOR FAST DETECTION OF OVERSHIFT IN A FLOATING POINT UNIT

(51) International classification	:G06F 5/01
(31) Priority Document No	:12/404,426
(32) Priority Date	:16/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026908
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/107650
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ADVANCED MICRO DEVICES, INC.

Address of Applicant :ONE AMD PLACE, P.O. BOX 3453, SUNNYVALE, CALIFORNIA 94088, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)OLIVER, DAVID, S.

(57) Abstract :

A floating point unit includes a floating point adder to perform a floating point addition operation between first and second floating point numbers each having an exponent and a mantissa. The floating point unit also includes an alignment shifter that may calculate a shift value corresponding to a number of bit positions to shift the second mantissa such that the second exponent value is the same as the first exponent value. The alignment shifter may detect an overshift condition, in which the shift value is greater than or equal to a selected overshift threshold value. The selected overshift threshold value comprises a base 2 number in a range of overshift values including a minimum overshift threshold value and a maximum overshift threshold value, and which has a largest number of a consecutive of bits that are zero beginning at a least significant bit.

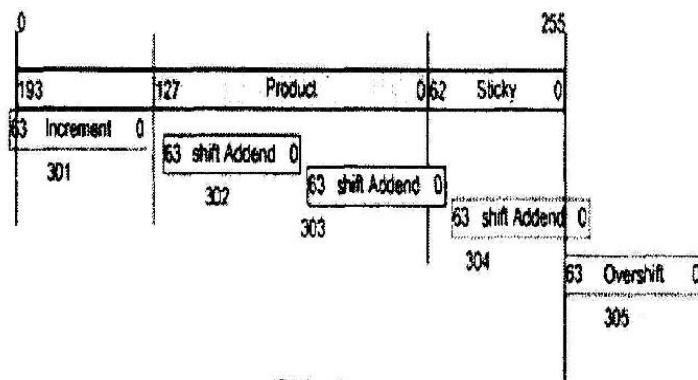


FIG. 3

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7620/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : IMIDAZOLE SUBSTITUTED PYRIMIDINES USEFUL IN THE TREATMENT OF GLYCOGEN SYNTHASE KINASE 3 RELATED DISORDERS SUCH AS ALZHEIMER'S DISEASE

(51) International classification	:C07D 413/14
(31) Priority Document No	:61/169,409
(32) Priority Date	:15/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/SE2010/050404
Filing Date	:14/04/2010
(87) International Publication No	:WO 2010/120237
(61) 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 :S-151 85 SODERTALJE, SWEDEN

(72)Name of Inventor :

1)PER I. ARVIDSSON

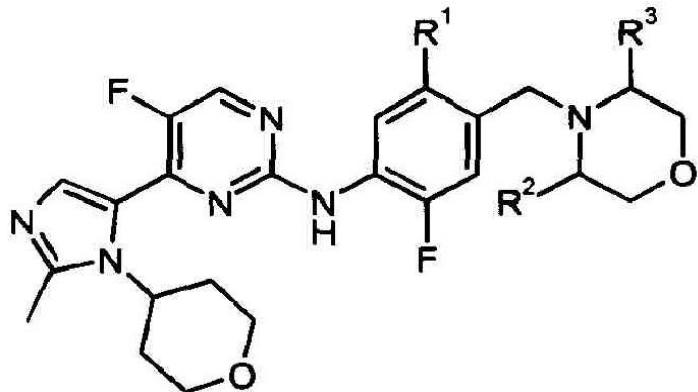
2)JEREMY NICHOLAS BURROWS

3)ULRIKA YNGVE

4)ERICA TJERNELD

(57) Abstract :

The present invention relates to a new compound of formula (I) wherein R1 is hydrogen or fluoro; R2 and R3 are independently selected from hydrogen or methyl; or a pharmaceutically acceptable salt thereof, pharmaceutical formulations containing said compound, to the use of said active compound in therapy, to the use for the treatment of conditions associated with glycogen synthase kinase-3 related disorders, such as Alzheimer's disease, as well as for the method of treatment of said disorders, comprising administering to a mammal, including human in need of such treatment, a therapeutically effective amount of said compound.



No. of Pages : 58 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7623/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : OPTICAL PROBE FOR MEASURING LIGHT SIGNALS IN VIVO

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(51) International classification	:A61B 5/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/DK2009/000064
Filing Date	:12/03/2009
(87) International Publication No	:WO 2010/102621
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)RSP SYSTEMS A/S

Address of Applicant :EGELUDSVEJ 18, DK-5260,  
ODENSE S, DENMARK

(72)Name of Inventor :

1)HENNEBERG MORTEN

(57) Abstract :

The Invention relates to an optical probe for measuring light signals comprising a first optical fiber guiding incoming light, a lens focusing incoming light towards a sample and collecting altered light from said sample, a second optical fiber guiding altered light, a light logging device measuring intensity fluctuations in said incoming light, characterized in that said light logging device is positioned after said first optical fiber, whereby said light logging device receives a part of said incoming light from said first fiber. The optical probe is normally applied for measuring light signals in vivo, and finds its primary applications within the field of optical spectroscopic measurements, where the light signals measured by said probe are applied in combination with an apparatus wherein light signals are analyzed against its spectral components for instance in Raman, fluorescence, phosphorescence absorption, diffusion and transmission studies. The present invention especially relates to and finds application within the area of Raman Spectroscopy.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7626/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TIP-SHAPEABLE GUIDEWIRE

(51) International classification	:A61M 25/01	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/164,845	<b>1)C.R.BARD INC.</b>
(32) Priority Date	:30/03/2009	Address of Applicant :730 CENTRAL AVENUE, MURRAY
(33) Name of priority country	:U.S.A.	HILL, NJ 07974, U.S.A.
(86) International Application No	:PCT/US2010/0290789	(72) <b>Name of Inventor :</b>
Filing Date	:29/03/2010	<b>1)LEMON RYAN R.</b>
(87) International Publication No	:WO 2010/114800	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A guidewire for partial placement within a body of a patient is disclosed. The guidewire is employed to assist in the insertion of a medical device into the body, such as the placement of a catheter into the patient's vasculature. In one embodiment, the guidewire defines an elongate body that includes a distal segment. The distal segment includes a shape memory material that enables at least a portion of the distal segment to be deformed by a user prior to placement of the guidewire in the body of the patient. The shape memory material enables the guidewire to maintain the deformation of the distal segment portion after being deformed by the user.

No. of Pages : 17 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7574/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : TYRE WITH RADIAL CARCASS REINFORCEMENT

(51) International classification	:B60C 9/18
(31) Priority Document No	:0952355
(32) Priority Date	:09/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/054482
Filing Date	:06/04/2010
(87) International Publication No	:WO 2010/115860
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN

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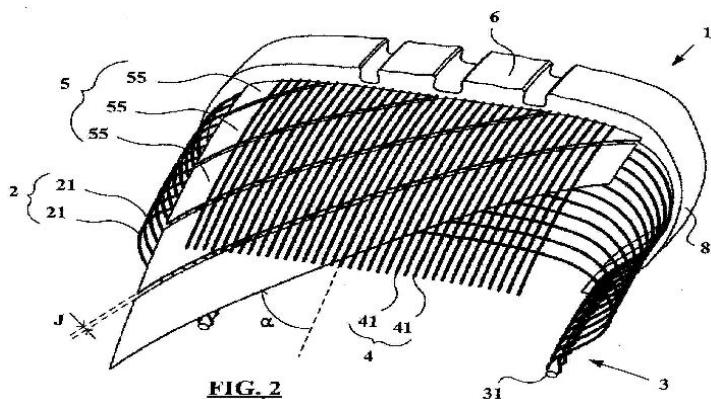
2)MICHELIN RECHERCHE ET TECHNIQUE S.A.

(72)Name of Inventor :

1) MICHEL DEAL

(57) Abstract :

The invention relates in particular to a passenger vehicle tyre, the crown reinforcement of which consists of three distinct elements, the said three distinct elements consisting of: a radial carcass reinforcement formed of reinforcing elements connecting the two beads of the tyre, a crown belt essentially consisting of reinforcing elements parallel to the circumferential direction of the tyre, and a crown triangulation layer essentially consisting of reinforcing elements making an angle of between 10 degrees and 80 degrees with the circumferential direction of the tyre, the said reinforcing elements of the triangulation layer having a flattened cross section. Fig. 2



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7603/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD OF DIAGNOSING THE FAILURE OF A PHOTOVOLTAIC GENERATOR

(51) International classification	:G1R 31/26
(31) Priority Document No	:09/01886
(32) Priority Date	:17/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/054240
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/118952
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)CHAINTREUIL NICOLAS

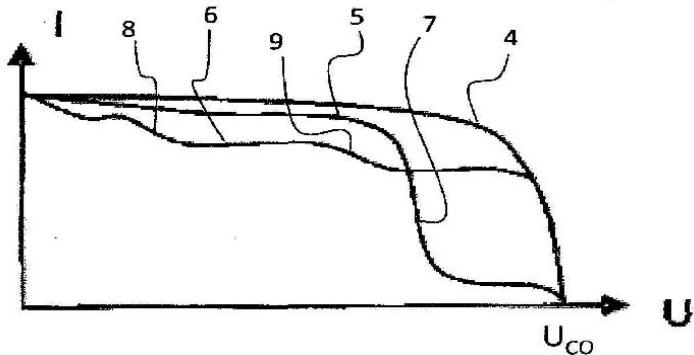
2)BARRUEL FRANCK

3)LABRUNIE ANTOINE

(57) Abstract :

Method of diagnosis for a photovoltaic generator characterized in that it implements a step of observing the evolution of its voltage when it passes from a short-circuit mode of operation to an open-circuit mode or vice versa. (Figure for the abstract: fig 6)

FIG.6



No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7628/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CONTROL OF PROTEIN GLYCOSYLATION AND COMPOSITIONS AND METHODS RELATING THERETO

(51) International classification	:C07K 14/47	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/170,897	<b>1)PFIZER INC.</b>
(32) Priority Date	:20/04/2009	Address of Applicant :235 EAST 42ND STREET, NEW
(33) Name of priority country	:U.S.A.	YORK 10017 UNITED STATES OF AMERICA
(86) International Application No	:PCT/IB2010/051650	(72) <b>Name of Inventor :</b>
Filing Date	:15/04/2010	<b>1)COMBS RODNEY GENE</b>
(87) International Publication No	:WO 2010/12460	<b>2)ROE SUSANNA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RUBLE DERRICK LEE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to novel methods for controlling the glycosylation of a protein and the protein produced thereby. An exemplary method of the invention comprises producing a protein comprising a decreased level of glycosylation, e.g., the protein comprises fewer glycans or fewer saccharides at the glycosylation site, by culturing a host cell expressing the protein in the presence of a glycosylation inhibitor. In an exemplary method of the invention, the biological characteristics of the protein are altered by the decreased level of glycosylation, e.g., the binding of the protein with its target ligand is modified.

No. of Pages : 173 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7629/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR RELEASABLY RETAINING BANDAGES

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(51) International classification	:A61F 13/00
(31) Priority Document No	:197854
(32) Priority Date	:26/03/2009
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IL2010/000235
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/109452
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)FIRST CARE PRODUCTS LTD.**

Address of Applicant :7 PESACH LEV STREET, 71293 LOD ISRAEL

(72)Name of Inventor :

**1)BAR-NATAN BERNARD**

(57) Abstract :

There is provided herein a bandage folded upon itself to have a plurality of panels or rolled and a device having an elongated body portion and end elements at its two opposite ends sized and shaped to extend through several panels of the folded bandage, and retain the bandage in a folded configuration, while allowing a user to unfold the bandage without removing the device. The bandage may be unfolded, panel-by-panel, by pulling on an end panel of the bandage, causing it to be released from the device, and pulling on released panels or topmost retained panels to free the topmost retained panels, each in turn.

No. of Pages : 35 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7633/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POLYMER COATINGS WITH IMPROVED HEAT STABILITY

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(51) International classification	:C08K 5/134
(31) Priority Document No	:10 2009 012 660.0
(32) Priority Date	:13/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001351
Filing Date	:04/03/2010
(87) International Publication No	:WO 2010/102751
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)HERAEUS PRECIOUS METALS GMBH & CO. KG**  
Address of Applicant :HERAEUSSTRASSE 12-14, 63450  
HANAU (DE) Germany

(72)Name of Inventor :

**1)GUNTERMANN, UDO**  
**2)JONAS, FRIEDRICH**

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(57) Abstract :

The present invention relates to coatings comprising electrically conductive polymers and esters of gallic acid and sugars, their production and use, and dispersions for the production of such coatings.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7635/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : CONSUMER PRODUCT KIT'

(51) International classification	:B65D 83/08
(31) Priority Document No	:12/429,518
(32) Priority Date	:24/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030818
Filing Date	:13/04/2010
(87) International Publication No	:WO 2010/123718
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)WEN, CATHY

2)RODGERS, KEVIN, MICHAEL

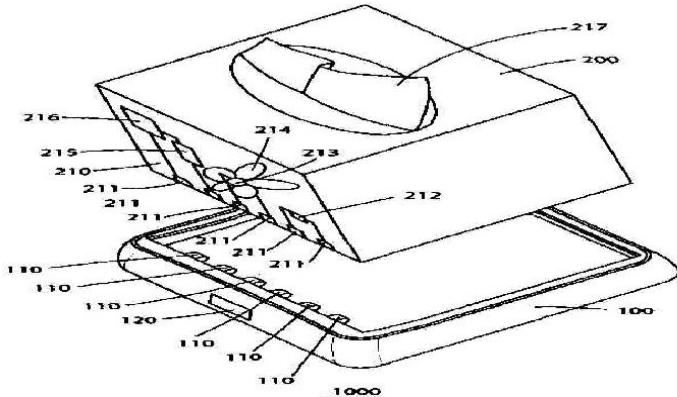
3)MCGUIRE, KENNETH, STEPHEN

4)SCHICK, ROBERT, JOSEPH

5)MAHONEY, WILLIAM, PAUL, III

(57) Abstract :

A product system comprises (1000) a package base unit (100) and a package (200). The package base unit (100) comprises a control element and a package interface (110) operatively connected to the control element. The package (200) comprises a package base interface (211), and a printed element. The printed element comprises a control circuit element (212) and an output circuit element (213). Each of the control circuit element and the output circuit element are operatively connected to the package base interface (211).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7578/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : RADAR SYSTEM

(51) International classification	:G01S 13/90
(31) Priority Document No	:09275028.0
(32) Priority Date	:21/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/GB2010/050635
Filing Date	:16/04/2010
(87) International Publication No	:WO 2010/122327
(61) 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, UNITED KINGDOM .

(72)Name of Inventor :

**1)DAVID CHARLES LANCASHIRE**

(57) Abstract :

A radar system for forming a scanning receive beam from signals received by a phased array (4) having a plurality of sub arrays (6), comprises a plurality of phase units (8) each configured to receive a said signal from one or more sub arrays. Each phase unit (8) comprises a waveform generator (18) configured to generate an analogue waveform having a frequency corresponding to a time-varying phase shift. Each waveform generator (18) is arranged to digitally generate the analogue waveform, and output a comparison of the received signal with the waveform, incorporating the time-varying phase shift. The system further comprises a combining unit (10) configured to combine the outputs from the plurality of phase units (8) to form a scanning receive beam.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7579/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MICROREACTORS WITH CONNECTORS SEALED THEREON; THEIR MANUFACTURING

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(51) International classification

:B01L 3/00

(31) Priority Document No

:09305368.4

(32) Priority Date

:28/04/2009

(33) Name of priority country

:EUROPEAN

UNION

(86) International Application No

:PCT/US2010/032742

Filing Date

:28/04/2010

(87) International Publication No

:WO 2010/126992

(61) 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**

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(72)Name of Inventor :

**1)SYLVAIN MAXIME F GREMETZ**

**2)JEAN-MARC MARTIN GERARD JOUANNO**

**3)OLIVIER LOBET**

**4)STEPHANE POISSY**

**5)RONAN TANGUY**

---

(57) Abstract :

The present invention deals with microfluidic devices including a microreactor and at least one connector sealed thereon. It also deals with a method for manufacturing such microfluidic devices and to blocks of material suitable as connector.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7606/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TISSUE AND ORGAN GRAFT BIOREACTOR AND METHOD OF OPERATION

		<p>(71)<b>Name of Applicant :</b> <b>1)XCELLEREX, INC.</b> Address of Applicant :170 LOCKE DRIVE MARLBOROUGH, MA 01752, UNITED STATES OF AMERICA</p> <p>(72)<b>Name of Inventor :</b> <b>1)PATRICK M. GUERTIN</b> <b>2)PARRISH M. GALLIHER</b> <b>3)MICHAEL FISHER</b> <b>4)JOSEPH D. CROWELL</b> <b>5)COLIN R. TUOHEY</b> <b>6)LAURA E. NIKLASON</b> <b>7)WILLIAM E. TENTE</b> <b>8)SHANNON M. DAHL</b> <b>9)JULIANA BLUM</b> <b>10)JUSTIN STRADER</b></p>
(51) International classification	:C12N 5/00	
(31) Priority Document No	:61/166,585	
(32) Priority Date	:03/04/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/029942	
Filing Date	:05/04/2010	
(87) International Publication No	:WO 2010/115185	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A single-use, single or multiple tissue, organ, and graft bioreactor and environmental control system is designed to replicate the necessary conditions for growth of tissues, organs, or grafts, while addressing problems in scaling up the tissue growth; adaptation to a single-use or disposable format; and operation as a stand-alone unit that provides full environmental control of cell culture conditions.

No. of Pages : 39 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7637/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : DISCHARGE MODULE FOR HIGH VOLTAGE X-RAY TUBES

(51) International classification	:H05G 1/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/ES2009/070073
Filing Date	:25/03/2009
(87) International Publication No	:WO 2010/109027
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SOCIADAD ESPANOLA DE ELECTROMEDICINA Y CALIDAD, S.A.

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(72)Name of Inventor :

1)ANGEL DIAZ CARMENA  
2)ILDEFONSO MORENO VALLEJO  
3)FRANCISCO DIAZ CARMENA

(57) Abstract :

Discharge module comprising three circuits, an X-ray control and measurement circuit, a circuit for distributing voltage between several switches in series, which is separate from the former, and a third load-short-circuit circuit, that in turn comprises a successive or slave trigger circuit of the switches and another main discharge circuit via the switches; the configuration provided enables much better control of radiation as it is not adversely affected by unpredictable elements, the short-circuit current is not limited to the gate current of the switches and the residual voltage of the switches is reduced. FIGURE 1.

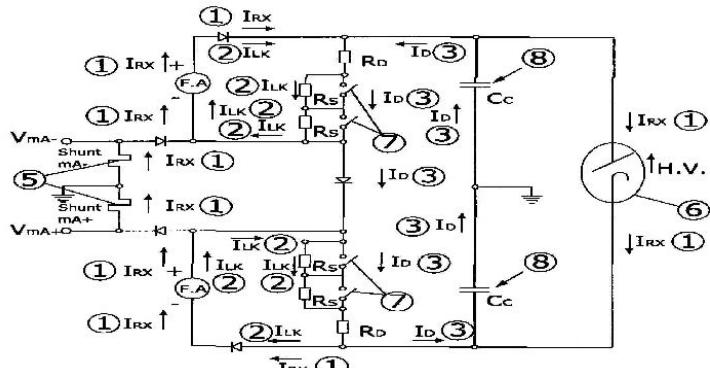


FIG. 1

No. of Pages : 10 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7640/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : INSTANT BEVERAGE PRODUCT

(51) International classification	:A23F 5/32
(31) Priority Document No	:61/165,731
(32) Priority Date	:01/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/053677
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/115697
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)NESTEC S.A.**

Address of Applicant :AVENUE NESTLE 55, CH-1800  
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(72)Name of Inventor :

**1)BOEHM, ROBERT THOMAS**

**2)DONHOWE, DANIEL PAUL**

**3)FU, XIAOPING**

**4)PAGIDALA, JAYA BHARATH REDDY**

**5)SUDHARSAN, MATHALAI BALAN**

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(57) Abstract :

The present invention relates to a method for the production of instant beverage products which, upon reconstitution with liquid, form a foamy upper surface. The method makes use of a porous base powder to which the present invention also relates.

No. of Pages : 34 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7642/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MILK-LIKE BEVERAGES

(51) International classification	:A23L 1/05
(31) Priority Document No	:61/211,862
(32) Priority Date	:03/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001016
Filing Date	:01/04/2010
(87) International Publication No	:WO 2010/114627
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)NESTEC S.A.**

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(72)**Name of Inventor :**

**1)PARTHASARATHY, MUKUND**

(57) Abstract :

The invention provides milk-like beverage compositions comprising from about 1 to about 10% of one or more caseinates, from about 1 to about 10% whey protein, from about 2 to about 10% of one or more fats, from about 0.01 to about 1% one or more hydrocolloids, and from about 0.1 to about 10% one or more emulsifiers. The compositions are formulated to have a realistic milk-like appearance and a nutrient profile very similar to cow milk. The compositions do not contain lactose and therefore do not cause the symptoms associated with lactose intolerance.

No. of Pages : 24 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7650/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WIRELESS BATTERY-POWERED DAYLIGHT SENSOR

(51) International classification	:G01J 1/02
(31) Priority Document No	:61/164,098
(32) Priority Date	:27/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028298
Filing Date	:23/03/2010
(87) International Publication No	:WO 2010/111256
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)JAMES P. STEINER**

**2)GREG EDWARD SLOAN**

(57) Abstract :

A wireless battery-powered daylight sensor for measuring a total light intensity in a space is operable to transmit wireless signals using a variable transmission rate that is dependent upon the total light intensity in the space. The sensor comprises a photosensitive circuit, a wireless transmitter for transmitting the wireless signals, a controller coupled to the photosensitive circuit and the wireless transmitter, and a battery for powering the photosensitive circuit, the wireless transmitter, and the controller. The photosensitive circuit is operable to generate a light intensity control signal in response to the total light intensity in the space. The controller transmits the wireless signals in response to the light intensity control signal using the variable transmission rate that is dependent upon the total light intensity in the space. The variable transmission rate may be dependent upon an amount of change of the total light intensity in the space. In addition, the variable transmission rate may be further dependent upon a rate of change of the total light intensity in the space.

No. of Pages : 69 No. of Claims : 68

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7652/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DEVICE FOR OPERATING A SUSPENSION LEVEL SYSTEM IN A VEHICLE

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(51) International classification	:H01H 25/06
(31) Priority Document No	:0950315-2
(32) Priority Date	:06/05/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050452
Filing Date	:23/04/2010
(87) International Publication No	:WO 2010/128933
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)SCANIA CV AB**

Address of Applicant :S-151 87 SODERTALJE, SWEDEN

(72)**Name of Inventor :**

**1)DANIEL ASLAN**

(57) Abstract :

The present invention relates to a device for operating a suspension level system in a motor vehicle. The device comprises a first manually operated switch arranged to be in communication with said suspension level system for operating the same. Furthermore, the first manually operated switch is arranged to be mechanically operable in a plurality of positions, each position selecting a function among a plurality of functions provided by the suspension level system. The invention also relates to a motor vehicle and a system provided with such a device for operating a suspension level system.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7653/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : POWDER TRANSPORT METHOD

(51) International classification	:C21C 1/02
(31) Priority Document No	:2009-101008
(32) Priority Date	:17/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/057190
Filing Date	:16/04/2010
(87) International Publication No	:WO 2010/119987
(61) 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 CORPORATION**

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**2)YOSHIZAWA LIME INDUSTRY CO., LTD.**

(72)Name of Inventor :

**1)KUNIHIKO WATANABE**

**2)SEIJI YAMAMOTO**

**3)KIYOSHI TAKAHASHI**

**4)TAKASHI YANO**

**5)NOBUYUKI ISHIWATA**

**6)AKIRA TAKIZAWA**

(57) Abstract :

A powder transport method characterized in that a powder containing 30 mass% or greater of grains of 45 µm or less is mixed with silicone oil and transported together with a carrier gas/ wherein the mixing ratio of the silicone oil relative to the powder is made 0.1 to 0.5 mass% and the powder is a refining agent containing one or two or more of quicklime, limestone, calcined dolomite, raw dolomite, metallic Mg, and soda-lime glass. As a result, occurrence of adhesion of powder to the inside of the piping is prevented to make it possible to conduct good powder transport.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7657/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR RECYCLING PLASTIC MATERIALS

(51) International classification	:B29C 47/64
(31) Priority Document No	:A 599/2009
(32) Priority Date	:17/04/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT2010/000105
Filing Date	:14/04/2010
(87) International Publication No	:WO 2010/118447
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H.**  
Address of Applicant :FREINDORF, UNTERFELDSTRASSE 3, A-4052 ANSFELDEN, AUSTRIA

(72)Name of Inventor :

**1)KLAUS FEICHTINGER  
2)MANFRED HACKL  
3)GERHARD WENDELIN**

(57) Abstract :

The invention relates to a method and to an assembly for recycling plastic materials, comprising the following processing steps: a) reprocessing the raw material, wherein the material, if necessary, is comminuted and brought into a fluid-like form and heated and permanently mixed, while preserving the lumpiness and pourability thereof, and optionally the viscosity thereof is increased and/or it is degassed, softened, dried and/or crystallized; b) melting the reprocessed material, at least so much that filtration is possible; c) filtering the melt in order to remove impurities; d) homogenizing the filtered melt; e) degassing the homogenized melt; and f) discharging and/or subsequently processing the melt, such as by granulation, blown film processing, with said processing steps being carried out consecutively in the order listed

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7659/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DEVICE FOR CONTINUOUSLY CARRYING OUT CHEMICAL REACTIONS AT HIGH TEMPERATURES

(51) International classification	:B01J 19/12	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 031 059.2	<b>1)CLARIANT FINANCE (BVI)LIMITED</b>
(32) Priority Date	:30/06/2009	Address of Applicant :CITCO BUILDING, WICKHAMS
(33) Name of priority country	:Germany	CAY, P.O. BOX 662, ROAD TOWN, TORTOLA, BRITISH
(86) International Application No	:PCT/EP2010/003443	VIRGIN ISLANDS
Filing Date	:09/06/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2011/000460	<b>1)MATTHIAS KRULL</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ROMAN MORSCHHAUSER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for continuously carrying out chemical reactions. The device comprises a micro-wave generator, a microwave applicator accommodating a microwave-transparent tube, and an isothermal reaction section which is arranged such that the material to be reacted is guided inside the microwave-transparent tube through a microwave applicator which is used as the heating zone and in which it is heated to reaction temperature by means of microwaves that are emitted from the microwave generator into the microwave applicator. The material to be reacted, which is heated and optionally under pressure is transferred from the microwave applicator to an isothermal reaction zone once it has left the heating zone, said reaction zone being arranged downstream of the heating zone, and is cooled once it has left the isothermal reaction zone.

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7661/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR IMPROVED REINFORCEMENT BAFFLING AND SEALING

(51) International classification	:B62D 29/04
(31) Priority Document No	:12/420,406
(32) Priority Date	:08/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029752
Filing Date	:02/04/2010
(87) International Publication No	:WO 2010/117897
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

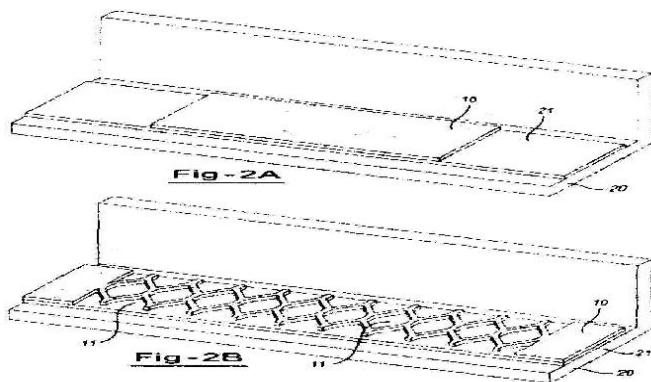
1)QUADERER, DEAN

2)WHITE, ERIN

3)VANLERBERGHE, GARY

(57) Abstract :

A method for reinforcing, baffling or sealing a vehicle structure, comprising the steps of providing a material (10) having openings (11) formed within the material so that the material may be stretched to fit a particular vehicle structure.



No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7663/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR FEEDING A BURDEN TO A BLAST FURNACE

(51) International classification	:C21B 5/06
(31) Priority Document No	:91 559
(32) Priority Date	:28/04/2009
(33) Name of priority country	:Luxembourg
(86) International Application No	:PCT/EP2010/055378
Filing Date	:22/04/2010
(87) International Publication No	:WO 2010/124992
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PAUL WURTH S.A.

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(72)Name of Inventor :

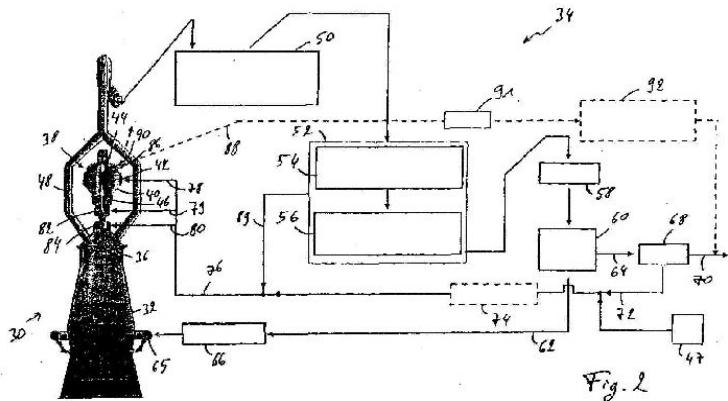
1)LOUTSCH, JEANNOT

2)SIMOES, JEAN-PAUL

3)HAUSEMER, LIONEL

(57) Abstract :

The present invention proposes a method for feeding a burden to a blast furnace (32), wherein the method comprises providing a charging device (38) having at least one material hopper (40), the material hopper (40) comprising a hopper chamber (42), a material inlet aperture for feeding a burden into the hopper chamber (40), and a material discharge aperture for feeding a burden from the hopper chamber (40) to the blast furnace (32); the material inlet aperture having an associated inlet seal valve (44) for opening and closing the material inlet aperture and the material discharge aperture having an associated material discharge valve (46) for opening and closing the material discharge aperture. The method further comprises opening the material inlet aperture and closing the material discharge aperture; feeding a burden into the hopper chamber (40) through the material inlet aperture; closing the inlet seal valve (44); pressurizing the hopper chamber (40) by feeding pressurizing gas into the hopper chamber (40); and opening the material discharge valve (46) and feeding the burden from the hopper chamber (40) to the blast furnace (32). According to an important aspect of the invention, the method comprises feeding a predetermined amount of pressurized flushing gas through the hopper chamber (42) before pressurizing the hopper chamber (42), wherein the flushing gas comprises at least 75% carbon dioxide.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7750/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : OPTICAL FIBER WITH SINGLE COATING

(51) International classification	:C09D 175/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/054905
Filing Date	:23/04/2009
(87) International Publication No	:WO 2010/121659
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)LIDIA TERRUZZI

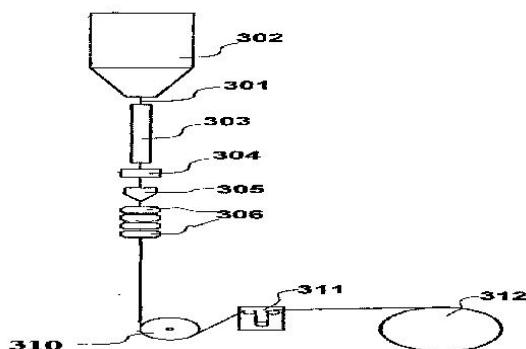
2)JOHANNES ADRIANUS VAN EEKELEN

3)SABRINA FOGLIANI

(57) Abstract :

The invention relates to an optical fiber comprising a glass core and a protective coating consisting of a single coating layer disposed to surround said glass core, wherein said single coating layer is formed from a cured polymeric material obtained by curing a radiation curable composition comprising (i) a radiation curable urethane (meth)acrylate oligomer, preferably comprising a backbone derived from polyoxytetramethylene glycol, (ii) at least one monofunctional reactive monomer, (iii) at least one multifunctional reactive monomer, and (iv) an adhesion promoter. (Fig. 2)

**Fig. 2**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7648/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AIR BLEED HAVING AN INERTIAL FILTER IN THE TANDEM ROTOR OF A COMPRESSOR

(51) International classification	:F04D 27/02
(31) Priority Document No	:0952227
(32) Priority Date	:06/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050605
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/116071
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)TURBOMECA**

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(72)Name of Inventor :

**1)CHRISTOPHE MICHEL GEORGES MARCEL BRILLET**

**2)JEROME YVES FELIX GILBERT PORODO**

**3)LAURENT PIERRE TARNOWSKI**

---

(57) Abstract :

The invention relates to a secondary air system (12) for a compressor (16b) of centrifugal or mixed type including a rotor (18) presenting an axis of rotation (X), said compressor being adapted to compress an oxidizer gas. The secondary air system (12) includes an oxidizer gas bleed system (40) arranged in the rotor (18).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7707/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MICRONIZED SULPHUR POWDER AND METHOD OF PRODUCTION OF SAME

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(51) International classification	:C01B 17/10
(31) Priority Document No	:2,657,531
(32) Priority Date	:09/03/2009
(33) Name of priority country	:Canada
(86) International Application No	:PCT/CA2010/000331
Filing Date	:09/03/2010
(87) International Publication No	:WO 2010/102389
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)SULPHUR SOLUTIONS, INC.

Address of Applicant :6443-2ND STREET, S.E. CALGARY  
AB T2H 1J5, CANADA

(72)Name of Inventor :

1)IYER, SATISH R.

(57) Abstract :

A process is provided for the production of a micronized sulphur powder product as well as micronized sulphur cake intermediate. Production of the micronized sulphur powder using this process, which comprises preparation of a micronized sulphur emulsion from molten sulphur and a dispersant solution, from which the dispersant solution is subsequently removed, produces a product of superior quality, and the method of production itself has enhanced safety and economic attributes.

No. of Pages : 46 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7734/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : STRUCTURE, MOLDED ARTICLE, AND METHOD FOR MANUFACTURING SAME

(51) International classification	:B32B 3/12
(31) Priority Document No	:2009-100015
(32) Priority Date	:16/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/056837
Filing Date	:16/04/2010
(87) International Publication No	:WO 2010/119946
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)GIFU PLASTIC INDUSTRY CO., LTD.**

Address of Applicant :27, KANDA-MACHI 9-CHOME,  
GIFU-SHI, GIFU-KEN 500-8721, JAPAN

(72)**Name of Inventor :**

**1)TANII, RYUJI**

**2)UKAI, MASAHIRO**

(57) Abstract :

A structure 1 is provided with a core layer 2 where a plurality of polygonal-cylindrical or circular-cylindrical cells S are disposed adjoiningly inside and skin layers 3, 4 that are provided on the upper and lower surfaces of the core layer 2. Communication portions 6 for communicating with adjacent cells S are formed in the core layer 2. A molded article is formed by providing a bent portion to the structure 1.

No. of Pages : 57 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7737/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : CATHETER PUMP

(51) International classification	:A61M 1/10
(31) Priority Document No	:0900637-0
(32) Priority Date	:18/05/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/EP2010/056772
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/133567
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CARDIOBRIDGE GMBH

Address of Applicant :LOTZENACKER 3, 72379  
HECHINGEN, GERMANY

(72)Name of Inventor :

1)REITAN, OYVIND

(57) Abstract :

The invention refers to a catheter pump to be positioned in the ascending aorta (11) near the aortic valve (10) of a human being, comprising an elongated sleeve 6 with a drive cable (5) extending through the sleeve and connectable at its proximal end to an external drive source and a drive rotor near the distal end of the drive cable (5) mounted on a drive shaft (4) being connected with the drive cable (5), wherein the drive rotor consist of a propeller (3) being enclosed in a cage (2) and wherein the propeller (3) and the cage (2) are foldable from an insertion position close to the drive shaft (4) to an expanded working position, characterized by means (7, 7a, 2a, 19) for anchoring the drive rotor (3) in the ascending aorta (11) near the aortic valve (10) after insertion. The invention also refers to a method to position the pumping means of a catheter pump in the ascending aorta (11) just above the aortic valve (10).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7761/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SALT OF ABT-263 AND SOLID-STATE FORMS THEREOF

(51) International classification	:C07D 295/155
(31) Priority Document No	:61/174,274
(32) Priority Date	:30/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/033072 :30/04/2010
(87) International Publication No	:WO 2010/127190
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

**(71)Name of Applicant :**

**1)ABBOTT LABORATORIES**

Address of Applicant :100 ABBOTT PARK ROAD,  
ABBOTT PARK, ILLINOIS 60064, UNITED STATES OF  
AMERICA

**(72)Name of Inventor :**

**1)BORCHARDT THOMAS**

**2)BRACKEMYER PAUL**

**3)CATRON NATHANIEL**

**4)HENRY RODGER**

**5)LOU XIAOCHUN**

**6)RAVN MATTHEW**

**7)ZHANG GEOFF**

**8)ZHOU DELIANG**

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**(57) Abstract :**

ABT-263 bis-HCl and crystalline polymorphs thereof are suitable active pharmaceutical ingredients for pharmaceutical compositions useful in treatment of a disease characterized by overexpression of one or more anti-apoptotic Bcl-2 family proteins, for example cancer.

No. of Pages : 57 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7769/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PRODUCTION OF FATTY ACID DERIVATIVES

(51) International classification	:C12N 1/20
(31) Priority Document No	:61/168,293
(32) Priority Date	:10/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030656
Filing Date	:10/04/2010
(87) International Publication No	:WO 2010/118410
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LS9, INC.

Address of Applicant :600 GATEWAY BLVD., SOUTH SAN FRANCISCO, CA 94080, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)GAERTNER, ALFRED  
2)SCHIRMER, ANDREAS  
3)VALLE, FERNANDO  
4)CARDAYRE, STEPHEN, DEL

(57) Abstract :

Methods and compositions for producing fatty acid derivatives, for example, fatty esters, are described.

FIGURE 1



No. of Pages : 113 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2011

(21) Application No.7793/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : REGULATION OF BONE GROWTH USING ZEOLITE IN COMBINATION WITH BONE GRAFT SUBSTITUTES

(51) International classification	:A61K 9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/211,569	<b>1)DIFUSION TECHNOLOGIES, INC.</b>
(32) Priority Date	:01/04/2009	Address of Applicant :111 COOPERATIVE WAY, SUITE 250, GEORGETOWN, TEXAS 78726, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/029180	(72) <b>Name of Inventor :</b>
Filing Date	:30/03/2010	<b>1)DERRICK JOHNS</b>
(87) International Publication No	:WO 2010/114827	<b>2)MATTHEW GECK</b>
(61) Patent of Addition to Application Number	:NA	<b>3)PETER WHANG</b>
Filing Date	:NA	<b>4)JAMI HAFIZ</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Medical implants such as bone graft substitutes that include one or more cations are delivered in a local environment to promote osteogenesis. Zeolite loaded with a metal cation in combination with an implant such as a bone graft substitute can be used as an implant in the body to regulate protein transcription and translation. Also disclosed are methods of promoting osteogenesis in a patient in need thereof methods for modulating bone formation and mineralization by implanting in a patient a medical implant comprising ion-exchangeable cations, and methods of regulating BMP gene expression in bone cells in a patient by controlling the delivery of certain cations through ion- exchange via a zeolite incorporated in a bone substitute implanted in a patient so that BMP gene expression can be upregulated or downregulated appropriately.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7714/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NAPHTHALENE-BASED INHIBITORS OF ANTI-APOPTOTIC PROTEINS

(51) International classification	:A01N 35/00
(31) Priority Document No	:61/169,686
(32) Priority Date	:15/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/031113
Filing Date	:14/04/2010
(87) International Publication No	:WO 2010/120943
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE**

Address of Applicant :10901 NORTH TORREY PINES ROAD, LA JOLLA, CA 92037, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)PELLECCHIA, MAURIZIO**

(57) Abstract :

Methods of using apogossypol and its derivatives for treating inflammation is disclosed. Also, there is described a group of compounds having structure A, or a pharmaceutically acceptable salt, hydrate, N-oxide, or solvate thereof are provided: wherein each R is independently H, C(O)X, C(O)NHX, NH(CO)X, SO<sub>2</sub>NHX, or NSO<sub>2</sub>X, wherein X is hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, alkylaryl, substituted alkylaryl, heterocycle, or substituted heterocycle. Compounds of group A may be used for treating various diseases or disorders, such as cancer.

No. of Pages : 168 No. of Claims : 85

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7744/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR PREVENTING FOULING IN CHEMICAL EQUIPMENT AND ANTIFOULING AGENT

(51) International classification	:C08F 2/00
(31) Priority Document No	:2009-089424
(32) Priority Date	:01/04/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/055948 :31/03/2010
(87) International Publication No	:WO 2010/114069
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MITSUI CHEMICALS, INC

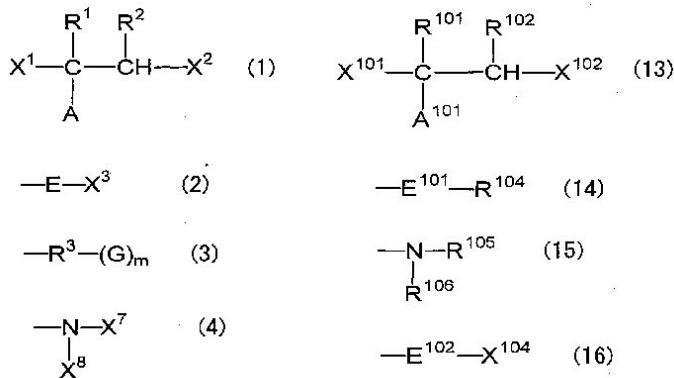
Address of Applicant :5-2, HIGASHI-SHIMBASHI 1-CHOME, MINATO-KU, TOKYO 105-7117, JAPAN

(72)Name of Inventor :

- 1)NAOSHI NAGAI
- 2)SHIRO NAKATSUKA
- 3)KAZUOKI NAKAI
- 4)KENJI SUGIMURA
- 5)YASUSHI TOHI
- 6)KEN YOSHITSUGU
- 7)HIDEKI BANDO
- 8)YASUYUKI HARADA

(57) Abstract :

The invention provides a method for preventing fouling in chemical equipment, comprising adding an antifouling agent which comprises a polyoxyalkylene polymer represented by the general formula (1) or the general formula (13) and having Mn of 30,000 or less to a component in the chemical equipment: (A: a group to which C2-C20 olefins are polymerized; R1, R2, R101, and R102: H or a C1-C18 alkyl group; X1 and X2: a group represented by the general formula (2) or the general formula (4); E, E101, and E102: O or S; X3, X7, and X8: polyalkylene glycol group; R3: a hydrocarbon group; G: -OX4 or -NX5X6 (X4, X5, and X6: a polyalkylene glycol group); m: 1-10; A101: a group to which C2-C20 olefins are polymerized; X101 and X102: one represents a hydrogen atom or a group represented by the general formula (14) or the general formula (15), and the other represents a group represented by the general formula (16); R104: H, a hydrocarbon group, or an acyl group; R105 and R106: hydrocarbon groups; and X104: a polyalkylene glycol group).



No. of Pages : 86 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7772/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : MODULAR STORAGE SYSTEM

(51) International classification	:E04H 6/00
(31) Priority Document No	:61/159,098
(32) Priority Date	:11/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000208
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/103524
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KHARKOVER, ILIA

Address of Applicant :3/11 HA'AZMAUT ST., KIRYAT YAM 29013 (IL) Ireland

2)MONASTYRSKY, YAKOV

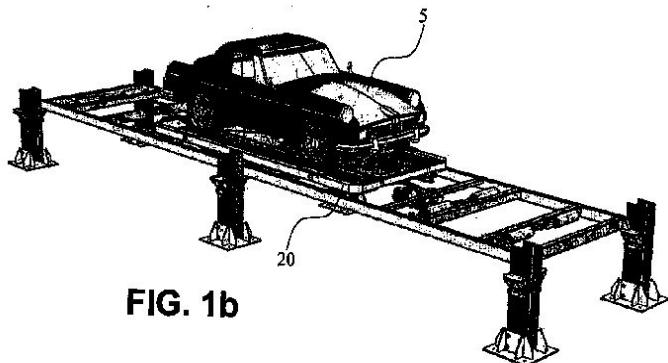
(72)Name of Inventor :

1)KHARKOVER, ILIA

2)MONASTYRSKY, YAKOV

(57) Abstract :

A modular system for storage of cargo units, comprises: a plurality of pallets; a plurality of interconnected active cell units; each cell unit comprises an cell transporting mechanism; at least one active shuttle unit moveable between the plurality of cell units; each shuttle unit comprises a shuttle transporting mechanism adapted to transport at least one pallet of the plurality of pallets to and from one of the plurality of cell units and to and from the at least one shuttle unit; a central controller adapted to control the operation of the cell and the shuttle transporting mechanisms, the operation of which is performed in an independent manner via the central controller such that a construction of any arrangement of the cell units is performed to effectively exploit a designated space.



**FIG. 1b**

No. of Pages : 41 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.78/DELNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : FUEL COMPOSITIONS COMPRISING ISOPRENE DERIVATIVES

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(51) International classification	:C07C 5/02
(31) Priority Document No	:61/187,959
(32) Priority Date	:17/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/039088
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/148256
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)DANISCO US INC.**

Address of Applicant :925 PAGE MILL ROAD, PALO ALTO, CALIFORNIA 94304-1013 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)MCAULIFFE JOSEPH C.**

**2)PARAMONOV SERGEY E.**

**3)SANFORD KARL J.**

(57) Abstract :

The invention provides for methods, compositions and systems using bioisoprene derived from renewable carbon for production of a variety of hydrocarbon fuels and fuel additives.

No. of Pages : 681 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2011

(21) Application No.7801/DELNP/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : INSECTICIDE COMPOSITION COMPRISING A SPINOSYN, A METAL AND A PROTEINACEOUS MATERIAL

(51) International classification	:A01N 43/22
(31) Priority Document No	:61/214,965
(32) Priority Date	:30/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/001240 :27/04/2010
(87) International Publication No	:WO 2010/126584
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

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Address of Applicant :9330 ZIONSWILLE ROAD,  
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UNITED STATES OF AMERICA

**(72)Name of Inventor :**

**1)STEPHEN LEWIS WILSON**

**2)LEI LIU**

**3)JAMES D. THOMAS**

**4)RAYMOND E. BOUCHER, JR.**

**5)JAMES EDWIN DRIPPS**

**6)MARGARET SUE KEMPE**

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**(57) Abstract :**

Pest controlling compositions exhibiting enhanced pesticidal activity levels are disclosed. In one embodiment, a composition includes at least one pesticide, at least one transition metal salt and at least one proteinaceous material. In this embodiment, the composition exhibits enhanced pesticidal activity levels compared to a composition dissimilar only in not having the at least one transition metal salt and the at least one proteinaceous material.

No. of Pages : 59 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7665/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SINGLE PROTEIN NANOCAPSULES FOR PROTEIN DELIVERY WITH LONG-TERM EFFECT

(51) International classification

:B82B 3/00

(31) Priority Document No

:61/158,588

(32) Priority Date

:09/03/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/026678

Filing Date

:09/03/2010

(87) International Publication No

:WO 2010/104865

(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 :

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(72)Name of Inventor :

1)LU, YUNFENG

2)YAN, MING

3)DU, JUANJUAN

(57) Abstract :

A protein nanocapsule having a single-protein core and a thin polymer shell anchored covalently to the protein core.

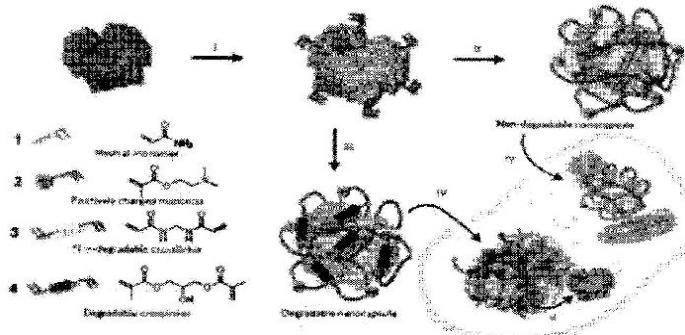


Figure 1

No. of Pages : 76 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.77/DELNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : PRESSING IRON SOLEPLATE

(51) International classification	:D06F 75/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PCT/IB2009/052924	<b>1)LAURASTAR S.A.</b>
(32) Priority Date	:04/07/2009	Address of Applicant :RTE DE PRA DE PLAN CH-1618
(33) Name of priority country	:PCT	CHATEL-ST-DENIS SWITZERLAND
(86) International Application No	:PCT/IB2010/053024	(72) <b>Name of Inventor :</b>
Filing Date	:01/07/2010	<b>1)MONNEY, JEAN</b>
(87) International Publication No	:WO/ 2011/004294	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Pressing iron soleplate comprising, on its internal surface, channels intended for conveying steam, characterized in that the walls and/or the bottom of said channels have protrusions so as to maximize the area of contact between the steam and the walls of the channels.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7727/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : MOBILITY MANAGEMENT IN A COMMUNICATION SYSTEM

(51) International classification	:H04W 8/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/054224
Filing Date	:08/04/2009
(87) International Publication No	:WO 2010/115461
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE-164 83 STOCKHOLM (SE)

Sweden

(72)Name of Inventor :

1)DE VEGA DE LA RED, VICENTE

(57) Abstract :

A method of managing subscriber mobility within a telecommunications system having at least first and second access domains supporting respective different access technologies. Each of the access domains comprises one or more mobility management gateways responsible for mobility management within the access domain. The method comprises receiving at a first subscriber server within said system, an update location request from a mobility management gateway within said first access domain, the first subscriber server being responsible for said first access domain. A common user database is then updated to update a profile of a subscriber to which said update location request relates in order to record said mobility management gateway within said first access domain as a current location of the subscriber. At said common user database, a notification rule set is applied to the subscriber profile to determine whether or not a notification to cancel a location for said subscriber must be sent to a mobility management gateway within said second access domain. If so, then a notification is sent from said common user database to a second subscriber server within said system, the second subscriber server being responsible for said second access domain. The notification is received at said second subscriber server, and a cancel location request sent to said mobility management gateway within said second access domain. A further update of said subscriber profile in the common user database is performed to remove said mobility management gateway within said second access domain as a current location of the subscriber.

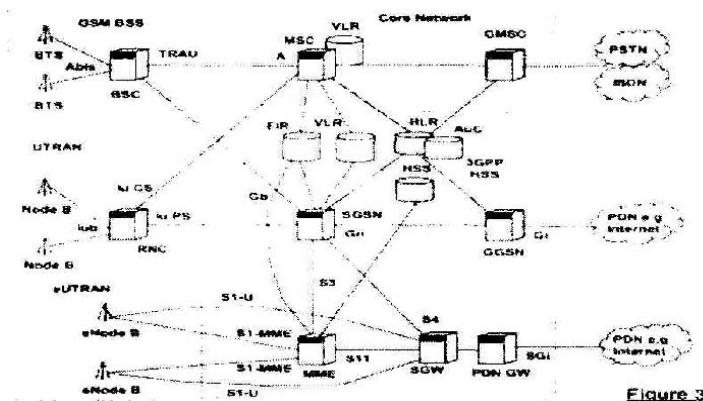


Figure 3

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7731/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MIXING NOZZLE FITMENT AND MIXED LIQUID DISPENSER

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(51) International classification	:B67D 1/00
(31) Priority Document No	:12/420,523
(32) Priority Date	:08/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/054529
Filing Date	:06/04/2010
(87) International Publication No	:WO 2010/115888
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NESTEC S.A.**

Address of Applicant :AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)**Name of Inventor :**

**1)REDDY, BALAKRISHNA**

(57) Abstract :

Mixing nozzle fitments and beverage devices containing the mixing nozzle fitments are provided. In an embodiment, the mixing nozzle fitment includes a first shaft defining an inlet passage, a second shaft defining a curved outlet passage and attached to the first shaft, and a coupling member attached to the second shaft. The coupling member defines a passage that leads into the curved outlet passage of the second shaft. A flexible tube is attached to the coupling member. The mixing nozzle fitment can be used in any suitable beverage dispensing device.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2011

(21) Application No.7816/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ACCESSORY FOR A DRINKING VESSEL

(51) International classification	:A47G 19/22
(31) Priority Document No	:0908652.1
(32) Priority Date	:19/05/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/CN2010/072826
Filing Date	:17/05/2010
(87) International Publication No	:WO 2010/133154
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GREAT FORTUNE (HK) LIMITED**

Address of Applicant :ROOM 1402, 14TH FLOOR,  
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CENTRAL HONG KONG, CHINA

(72)Name of Inventor :

**1)LAM, CHI SHING**

(57) Abstract :

An accessory for a drinking vessel is disclosed as including a body (102) with a passageway allowing air or liquid to pass through, the body including a first wall (104a) and a second wall (104b) which are opposite to each other, and a valve (110) in the passageway, the valve (110) including a first valve member (110a) and a second valve member (110b), in which both the first and second valve members (110a,110b) are integrally formed with the first and second walls, and each of the first and second valve members (110a,110b) includes respectively a first surface(111a,111c) and a second surface (111b,111d) which are opposite to each other, in which the first surfaces of the first and second valve members face generally a first direction, and the second surfaces of the first and second valve members face generally a second direction which is opposite to the first direction, and the first valve member is deformable between a first configuration in which at least part of the second surface of the first valve member contacts and overlaps at least part of the first surface of the second valve member to prevent flow of air or liquid through the valve and a second configuration in which the first valve member is out of contact with the second valve member to allow flow of air or liquid through the valve.

No. of Pages : 57 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2011

(21) Application No.7794/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CHEMICAL LIGATION DEPENDENT PROBE AMPLIFICATION (CLPA)

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(51) International classification	:C12Q 1/68
(31) Priority Document No	:61/165,839
(32) Priority Date	:01/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000949
Filing Date	:29/03/2009
(87) International Publication No	:WO 2010/114599
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)DXTERITY DIAGNOSTICS INCORPORATED**

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RANCHO DOMINGUEZ, CA 90200, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

**1)ROBERT TERBRUEGGEN**

(57) Abstract :

The present invention provides compositions, apparatuses and methods for detecting one or more nucleic acid targets present in a sample. Methods of the invention include utilizing two or more oligonucleotide probes that reversibly bind a target nucleic acid in close proximity to each other and possess complementary reactive ligation moieties. When such probes have bound to the target in the proper orientation, they are able to undergo a spontaneous chemical ligation reaction that yields a ligated oligonucleotide product. In one aspect, the ligation product is of variable length that correlates with a particular target. Following chemical ligation, the probes may be amplified and detected by capillary electrophoresis or microarray analysis.

No. of Pages : 66 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2011

(21) Application No.7821/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : BEVERAGE PREPARATION DEVICE HAVING A CLOSING MECHANISM WITH FORCE DEMULTIPLYING MEANS

(51) International classification	:A47J 31/36	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09157757.0	1)NESTEC S.A. Address of Applicant :AVENUE NESTLE 55, CH-1800 VEVEY, SWITZERLAND
(32) Priority Date	:09/04/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EPO	1)DENISART, JEAN-LUC 2)AZOUZ, AHMED 3)BAUDET, LARRY, SACHA 4)SPIEGEL, AKOS
(86) International Application No Filing Date	:PCT/EP2010/054621 :08/04/2010	
(87) International Publication No	:WO 2010/115946	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A device (50) for preparing a beverage from a food substance contained in a capsule (24) by feeding a liquid into the capsule (24) provided to the device (50), said device comprising an extraction head (20) which comprises: a first and second enclosing members (10a, 10b) delimiting a receptacle (25) for enclosing a capsule (24); a closing mechanism (1) to act on at least one (10a) of the enclosing members (10a, 10b) in relative displacement of the enclosing members, between an open position of the receptacle (25) and a closed position of the receptacle (25) with the capsule positioned therein; the closing mechanism (1) further comprising a locking means (13), a lever (21) and force demultiplying means (11) for transmitting a movement of the lever (21) into the relative displacement of the enclosing members (10a, 10b); wherein the demultiplying means (11) are designed to vary a transmission ratio of the closing mechanism (1) acting between the lever (21) and at least one (10a) of the enclosing members (10a, 10b).

No. of Pages : 35 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2011

(21) Application No.7823/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SCALE-UP OF FLOW-FOCUSING MICROFLUIDIC DEVICES

(51) International classification	:B01J 19/00
(31) Priority Document No	:61/160,184
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000753
Filing Date	:12/03/2010
(87) International Publication No	:WO 2010/104597
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)PRESIDENT AND FELLOWS OF HARVARD COLLEGE**

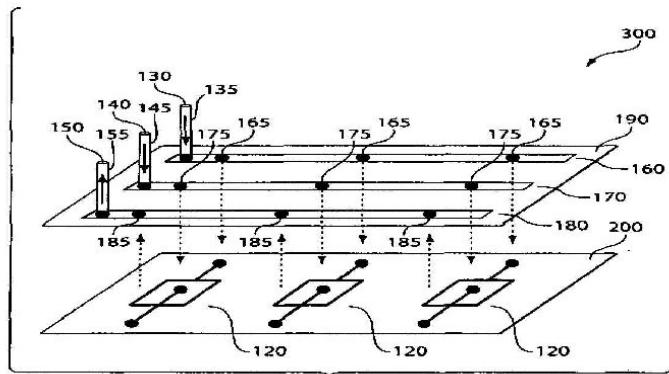
Address of Applicant :17 QUINCY STREET, CAMBRIDGE, MA 02138, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)ROMANOWSKY, MARK  
2)ABATE, ADAM, R.  
3)WEITZ, DAVID, A.**

(57) Abstract :

Parallel uses of microfluidic methods and devices for focusing and/or forming discontinuous sections of similar or dissimilar size in a fluid are described. In some aspects, the present invention relates generally to flow-focusing-type technology, and also to microfluidics, and more particularly parallel use of microfluidic systems arranged to control a dispersed phase within a dispersant, and the size, and size distribution, of a dispersed phase in a multi-phase fluid system, and systems for delivery of fluid components to multiple such devices.



**Fig. 1**

No. of Pages : 57 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7859/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND DEVICE FOR CLASSIFYING MEDIA ACCESS CONTROL ADDRESS BASED ON ETHERNET RING NETWORK

(51) International classification	:H04L 12/42	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:200910079943.7	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:13/03/2009	Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH, HI-TECH INDUSTRIAL PARK, NANSHAN SHENZHEN, GUANGDONG 518057, CHINA
(33) Name of priority country	:China	
(86) International Application No	:PCT/CN2009/073760	(72) <b>Name of Inventor :</b>
Filing Date	:04/09/2009	<b>1)XIAOLI SONG</b>
(87) International Publication No	:WO 2010/102478	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a method for classifying media access control (MAC) address based on Ethernet ring network, and the method comprises: the Ethernet ring network carry out initialization; a ring node classifies the MAC address corresponding to a non-ring port in its own forward database (FDB) into a MAC address group, and takes its own MAC address as the index of the MAC address group; a ring node broadcasts a message carrying the MAC address group indexed by its own MAC address in the Ethernet ring network; the ring node receiving the message completes the classification of the MAC address corresponding to the ring port in its own FDB by adding the MAC address group carried by the message into its own FDB. The present invention also provides a device for classifying media access control (MAC) address based on Ethernet ring network. With the method and device of the present invention, the MAC address refreshing time of a ring node is shortened, and the convergence speed of protection switching is improved

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2011

(21) Application No.7818/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PROCESS FOR PRODUCING A HYBRID MAIZE HAVING INSULATED CASING AND INDIVIDUAL SHIELD FOR GRAINS, BY MEANS OF A GENETIC TOOL, AND A HYBRID MAIZE THEREOF

(51) International classification	:A01H 1/04
(31) Priority Document No	:61/169,961
(32) Priority Date	:16/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/BR2010/000127
Filing Date	:16/04/2010
(87) International Publication No	:WO 2010/118493
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BOTTEGA, JEAN CARLO LANDIVAR

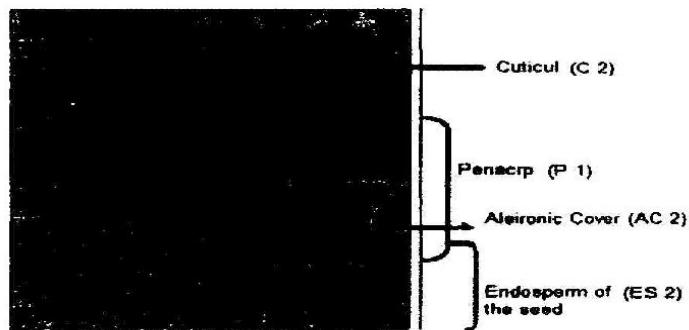
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(72)Name of Inventor :

1)BOTTEGA, JEAN CARLO LANDIVAR

(57) Abstract :

A process for the generation of hybrid maize whose grains are differentiated and preserved by entirely covering their surfaces, isolating the entire endosperm from the outside and conserving all the nutritive and germinative characteristics from the parents; and the maize produced by the process.



**FIGURE 2**

No. of Pages : 26 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7846/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WEARABLE ARTICLE WITH HIGHLY EXTENSIBLE FASTENING MEMBER HAVING STRESS DISTRIBUTION FEATURES

(51) International classification	:A61F 13/56
(31) Priority Document No	:61/175,185
(32) Priority Date	:04/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/033388 :03/05/2010
(87) International Publication No	:WO 2010/129470
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)THE PROCTER & GAMBLE COMPANY**

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(72)**Name of Inventor :**

**1)KLINE MARK JAMES  
2)LAWSON MICHAEL IRWIN  
3)MACURA ANNA ELIZABETH  
4)RAYCHECK JEROMY THOMAS  
5)RUIZ OSCAR ANTONIO**

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(57) Abstract :

Wearable disposable absorbent articles such as disposable diapers, having elastically extensible fastening members (also sometimes known as fastening ears) with particular features, extending from a chassis or main portion of the articles, are disclosed. The fastening members may be highly extensible and have an overall geometry characterized by greater length nearer the chassis or main portion and lesser length nearer the distal end. Examples disclosed may have a fastener zone having a Stiffness of at least about 1,500 N/m, and shape and dimensional characteristics, that help avoid problems of buckling and/or flipping of edges of the fastening members, dishing of fastener components, and fastening member tearing, while the articles are applied and worn.

No. of Pages : 53 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7853/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : CYCLIC AMINO ACID MOLECULES AND METHODS OF PREPARING THE SAME

(51) International classification	:C07K 7/54
(31) Priority Document No	:61/160,571
(32) Priority Date	:16/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000408
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/105363
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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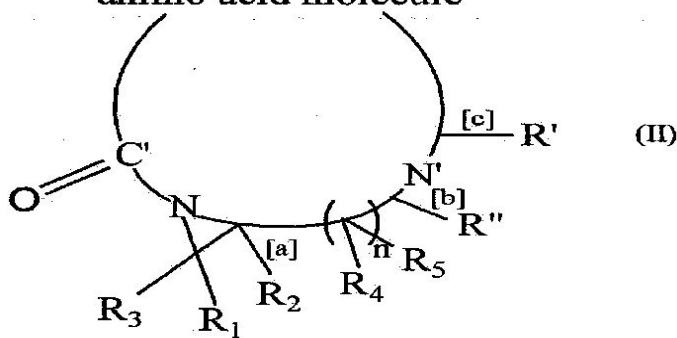
1)YUDIN, ANDREI

2)HILI, RYAN

(57) Abstract :

Macrocyclization of amino acids or linear peptides upon reaction with amphoteric amino aldehydes and isocyanides is provided.

**amino acid molecule**



No. of Pages : 94 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7880/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : GRANULAR FABRIC SOFTENING COMPOSITIONS COMPRISING A DI-ALKYL SUBSTITUTED IMIDAZOLINE DERIVATIVES

(51) International classification	:C07D 233/22
(31) Priority Document No	:09160280.5
(32) Priority Date	:14/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/US2010/034642
Filing Date	:13/05/2010
(87) International Publication No	:WO 2010/132629
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

**1)DEMEYERE, HUGO, JEAN MARIE**

(57) Abstract :

The present invention describes a granular fabric softening composition comprising a di-alkyl substituted imidazoline derivative according to the formula : (I) wherein; X1 is a C2-3 alkylene group; X2 and X3 are independently C1-6 linear or branched alkylene or alkenylene groups; R1 and R2 are independently C8-22 linear or branched alkyl or alkenyl groups; characterized in that; A and B are independently O-(C=O)-.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7881/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DISPERSIBLE SULPHUR FERTILIZER PELLETS

(51) International classification	:C05G 5/00
(31) Priority Document No	:2,663,119
(32) Priority Date	:16/04/2009
(33) Name of priority country	:Canada
(86) International Application No	:PCT/CA2010/000592
Filing Date	:16/04/2010
(87) International Publication No	:WO 2010/118532
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)PEDERSEN, ERIC

(57) Abstract :

A water dispersible pellet and method of producing same comprising: micronized elemental sulphur with 80% of particles less than 30 microns, a binder component in the amount ranging from 0.95% to 95% by weight; a surfactant in the amount ranging from 0.05% to 10% by weight; a soluble salt present in the amount ranging from 0.05% to 95% by weight; bentonite clay in the amount ranging from 0.05% to 95% by weight. The pellet having a mean particle domain size and a mean crushing strength, all in a form such that within a few minutes of contact with water the pellet disperses into particles with more than 10% of said particles passing through a 50 mesh (US Standard Size) screen.

No. of Pages : 31 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7885/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : RECORDING CONDITION ADJUSTING METHOD, OPTICAL DISC DEVICE, REPRODUCING METHOD AND INFORMATION RECORDING METHOD

(51) International classification	:G11B 20/18
(31) Priority Document No	:2009-097590
(32) Priority Date	:14/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/052619
Filing Date	:22/02/2010
(87) International Publication No	:WO 2010/119722
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

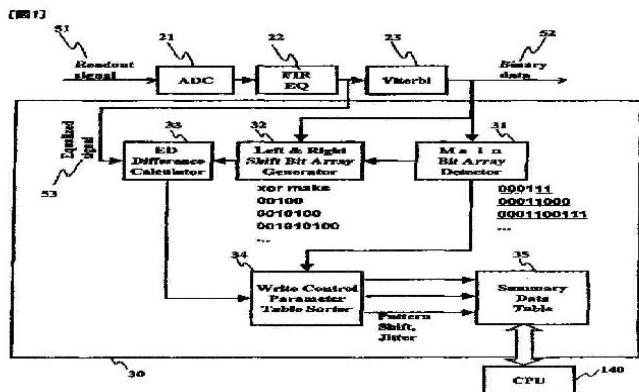
1)HITACHI CONSUMER ELECTRONICS CO., LTD.  
Address of Applicant :2-1, OTEMACHI 2-CHOME,  
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(72)Name of Inventor :

1)MINEMURA HIROYUKI  
2)KUROKAWA TAKAHIRO

(57) Abstract :

As regards large-capacity optical disc systems wherein the constraint length is 5 or longer, when the Euclidean distance is calculated by match determination of a binary bit sequence and a predetermined evaluation bit sequence so as to evaluate the quality of the reproduced signal, the circuit scale will exponentially increase with the increase of the constraint length of the PRML system. Disclosed are highly-efficient and highly-reliable method for evaluating a reproduced signal and an optical disc device using the same, wherein an evaluation bit sequence is treated as a main bit sequence having a length of (5+20 where i is the number of continuous 2Ts contained in a predetermined evaluation bit sequence and sub-bit sequences on both sides thereof, and the determination whether or not the predetermined evaluation bit sequence is contained in a binary bit sequence is integrated into the match determination of the main bit sequence. As a result, the circuit scale is prevented from increasing. Simultaneously, the scale of the evaluation aggregation circuit can be reduced by separately aggregating the result of calculation of the Euclidean distance between the reproduction signal and a target signal corresponding to the evaluation bit sequence for each main bit sequence.



No. of Pages : 145 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7891/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PILOT-BASED TIMING OFFSET ESTIMATION APPARATUS AND METHOD

(51) International classification	:H04W 56/00
(31) Priority Document No	:200910151594.5
(32) Priority Date	:03/07/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/072926
Filing Date	:19/05/2010
(87) International Publication No	:WO 2010/000244
(61) 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, P.R. CHINA

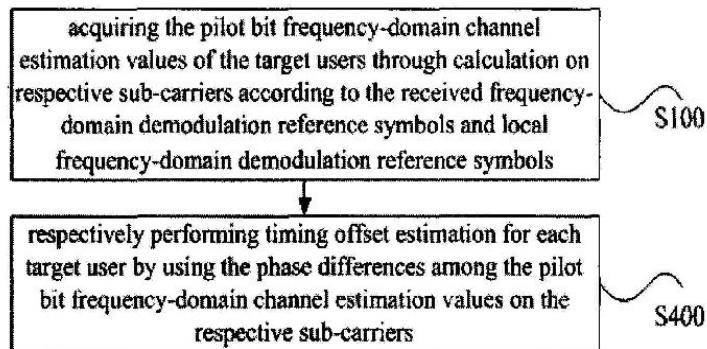
(72)Name of Inventor :

1)LI, PING

2)QIN, HONGFENG

(57) Abstract :

The present invention provides a pilot-based timing offset estimation apparatus and method. The timing offset estimation apparatus includes: a pilot bit channel estimation module, configured to acquire pilot bit frequency-domain channel estimation values of target users through calculation on respective sub-carriers of the target users according to received frequency-domain demodulation reference symbols and local frequency-domain demodulation reference symbols; and a timing offset estimation module, configured to respectively perform timing offset estimation for each target user by using phase differences among the pilot bit frequency-domain channel estimation values on the respective sub-carriers. The present invention performs timing offset estimation for multiple users on the basis of the received pilot sequences, therefore provides more accurate measurement values for timing offset compensation and timing offset reporting, so as to reduce the influence of the timing offset on the receiver performance. Fig.4



**Fig.4**

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7832/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : STENT DELIVERY SYSTEM

(51) International classification	:A61F 2/84
(31) Priority Document No	:2009-180455
(32) Priority Date	:03/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/062810
Filing Date	:29/07/2010
(87) International Publication No	:WO 2011/016386
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TERUMO KABUSHIKI KAISHA

Address of Applicant :44-1, HATAGAYA 2-CHOME,  
SHIBUYA-KU, TOKYO, JAPAN

(72)Name of Inventor :

1)KINYA HARADA

(57) Abstract :

A stent delivery system 1 includes a distal-side tube 2, a proximal-side tube 4, a fixing tube 8, a stent containing tubular member 5, a stent 3, and a pulling wire 6 which configures movement means for moving the stent containing tubular member 5 to the proximal side. The distal-side tube 2 includes a distal-side priming slit 45 which is provided in a side wall in proximity to a stent proximal end lock section 22 and a proximal-side priming slit 46 which is provided in a side wall on the proximal side of the distal-side tube 2. The slits 45 and 46 are opened by injecting liquid, with the distal opening 25a or the rear end opening 23 of a guide wire lumen 21 of the distal-side tube 2 closed.

No. of Pages : 107 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7915/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : HIGH FIBER NUTRITIONAL EMULSIONS

(51) International classification	:A23L 1/30
(31) Priority Document No	:61/169,022
(32) Priority Date	:14/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030834
Filing Date	:13/04/2010
(87) International Publication No	:WO 2010/120734
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)WALTON, JOSEPH, E.**

**2)WOLF, DAVID, R.**

**3)EDENS, NEILE, K.**

**4)MUSTAD, VIKKIE, A.**

---

(57) Abstract :

Disclosed are nutritional aqueous emulsions having high fiber content. These emulsions comprise fat, protein, and carbohydrate, which includes from 1.75% to about 4.0% by weight of diacylglycerol oil and from about 1.5% to about 9.0% by weight of fiber. These emulsions may also comprise fat, protein, and carbohydrate, which includes from 1 % to about 4.0% of diacylglycerol oil by weight of the aqueous emulsion and from about 2.0 % to about 9.0% of fiber by weight of the aqueous emulsion, wherein the aqueous emulsion has a viscosity of less than about 300 centipoise at 20°C. These high fiber emulsions provide beneficial features, including one or more of stability, desirable hedonics, rheology, and product performance, including a blunted glycemic response profile and or minimal or no gastrointestinal intolerance.

No. of Pages : 38 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7916/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : FUEL INJECTOR HAVING PRESSURE SENSOR

(51) International classification	:F02M 63/00
(31) Priority Document No	:10 2009 002 895 1
(32) Priority Date	:07/05/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053081
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/127889
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

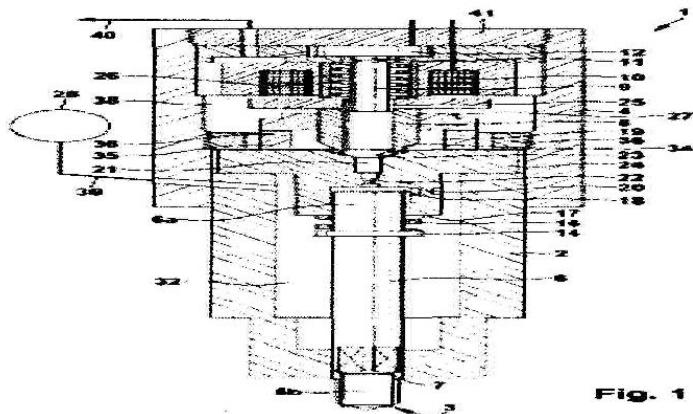
Address of Applicant :POSTFACH 30 02 20, STUTTGART  
70442 GERMANY

(72)Name of Inventor :

1)MAGEL, HANS-CHRISTOPH

(57) Abstract :

The present subject matter relates to a fuel injector (1), comprising a high pressure region (32) which comprises fuel under high pressure during operation, a low pressure region (38) which comprises fuel under low pressure during operation, a sensor (12) arranged in the low pressure region (38) and a transmission unit (9). The transmission unit (9) is arranged in such a way that a force, which is equal to the pressure of the fuel in the high pressure region (32), is exerted on the sensor (12) at least some of the time. The present subject matter further relates to a fuel injection system comprising a fuel pump (28) and a fuel injector (1).



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7917/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WHOLEGRAIN INSTANT PASTA

(51) International classification	:A23L 1/00
(31) Priority Document No	:09158132.2
(32) Priority Date	:17/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/054562
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/118974
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NESTEC S.A.

Address of Applicant :AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)Name of Inventor :

1)BATTAINI, GIUSEPPE

(57) Abstract :

The present invention relates to wholegrain instant pasta and to dehydrated food compositions which comprise said pasta. The invention also pertains to the use of wholegrain semolina having at least 95% of particles having a particle size of less than 400 microns in the manufacture of said instant pasta and to a method for making said pasta.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7918/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SHELF-STABLE FERMENTED DAIRY PRODUCTS AND METHODS OF MAKING SAME

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(51) International classification	:A23L 1/05
(31) Priority Document No	:61/172,443
(32) Priority Date	:24/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032263
Filing Date	:23/04/2010
(87) International Publication No	:WO 2010/124224
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)NESTEC S.A.**

Address of Applicant :AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)**Name of Inventor :**

**1)WIESSEL, ANA LUCIA**

**2)ZERLAUT, ALLEN BRUCE**

**3)WELCH, FRANK KARL**

(57) Abstract :

Shelf-stable fermented dairy products and methods of making the shelf-stable fermented dairy products are provided. The shelf-stable fermented dairy products can be shelf-stable with improved taste, viscosity and texture profiles. In a general embodiment, the present disclosure provides a shelf-stable fermented dairy product including a shelf-stable fermented dairy component, a stabilizer, and a puree composition. The shelf-stable fermented dairy component can be, for example, yogurt, sour cream, buttermilk or a combination thereof

No. of Pages : 21 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.7841/DELNP/2011 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : MOTOR DRIVE CIRCUITRY

(51) International classification	:B62D 5/04
(31) Priority Document No	:0906020.3
(32) Priority Date	:07/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050597
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/116182
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TRW AUTOMOTIVE US LLC

Address of Applicant :12001 TECH CENTER DRIVE,  
LIVONIA, MICHIGAN 48150, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

1)KUDANOWSKI, MACIEJ

2)MCLEAN, ANDREW

(57) Abstract :

A motor drive circuit comprises a positive and a negative supply rail for connection to a battery (104) a motor drive circuit comprising a plurality of motor drive sub circuits which each selectively permit current to flow into or out of a respective phase of a multi-phase motor (101) in response to control signals from a motor control circuit and a switching means comprising at least one switch which is in series with a respective phase of the motor which is normally closed to permit the flow of current to and from the subcircuit to the respective motor phase. A fault signal detecting means (160) detects at least one fault condition and in the event of a fault condition being detected causes the at least one switch to open. A snubber circuit (150) is associated with the motor and is arranged so that following the opening of the switch energy stored in the motor windings is diverted away from the switching means through the snubber circuit to the battery.

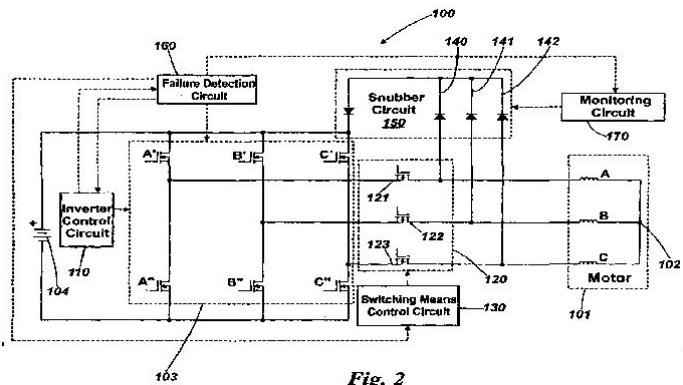


Fig. 2

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7871/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NUCLEATING AGENT AND THERMOPLASTIC COMPOSITIONS COMPRISING THE SAME

(51) International classification	:C08K 5/00
(31) Priority Document No	:61/174,242
(32) Priority Date	:30/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000563
Filing Date	:25/02/2010
(87) International Publication No	:WO 2010/126559
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)MILLIKEN & COMPANY**

Address of Applicant :920 MILLIKEN ROAD, M-495  
SPARTANBURG, SOUTH CAROLINA 29303, UNITED  
STATES OF AMERICA

(72)**Name of Inventor :**

**1)DANIEL M. CONNOR**

**2)JASON D. SPRINKLE**

**3)DARIN L. DOTSON**

**4)DAIKE WANG**

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(57) Abstract :

A composition comprises a thermoplastic and a nucleating agent. The thermoplastic can be a polyolefin selected from the group consisting of polypropylene homopolymers, polypropylene copolymers, polyethylene, polyethylene copolymers, polybutylene, poly(4-methyl-1-pentene) and mixtures thereof. The nucleating agent can comprise a metal salt of a phenylphosphonic acid. The nucleating agent can comprise primary particles having a mean aspect ratio of about two or more. The composition can also comprise an acid scavenger, such as one or more metal salts of stearic acid. The composition can be used to produce thermoplastic articles using, for example, injection molding and thermoforming techniques.

No. of Pages : 49 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7873/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : 3-AZABICYCLO [4.1.0] HEPTANES USED AS OREXIN ANTAGONISTS

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(51) International classification	:C07D 401/12
(31) Priority Document No	:0907112.7
(32) Priority Date	:24/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/055449
Filing Date	:23/04/2010
(87) International Publication No	:WO 2010/122151
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)GLAXO GROUP LIMITED**

Address of Applicant :GLAXO WELLCOME HOUSE,  
BERKELEY AVENUE, GREENFORD, MIDDLESEX UB6  
0NN, UNITED KINGDOM .

(72)**Name of Inventor :**

**1)DAVID AMANTINI**

**2)ROMANO DI FABIO**

**3)MASSIMO GIANOTTI**

**4)FRANCESCA PAVONE**

**5)FRANCESCO FERRONI**

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(57) Abstract :

This invention relates to 3-azabicyclo[4.1.0]heptane derivatives and their use as pharmaceuticals.

No. of Pages : 137 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.7904/DELNP/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DIAGNOSIS OF GLUTEN-INDUCED AUTOIMMUNE DISEASES

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(51) International classification	:G01N 33/573
(31) Priority Document No	:P0900199
(32) Priority Date	:01/04/2009
(33) Name of priority country	:Hungary
(86) International Application No	:PCT/IB2010/000742
Filing Date	:01/04/2010
(87) International Publication No	:WO 2010/113025
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)UNIVERSITY OF DEBRECEN**

Address of Applicant :NAGYERDEI KRT. 98. H-4032  
DEBRECEN HUNGARY

(72)**Name of Inventor :**

**1)KORPONAY-SZABO, ILMA**

**2)FESUS, LASZLO**

**3)BAGOSSI, PETER**

**4)CSOZ, EVA**

**5)KIRALY, ROBERT**

**6)SIMON-VECSEI, ZSOFIA**

**7)MAKI, MARKKU**

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(57) Abstract :

The invention relates to selective diagnosis of gluten-induced autoimmune diseases by binding assays utilizing the main celiac epitope present on proteins of the transglutaminase family.

No. of Pages : 79 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/07/2011

(21) Application No.2157/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING BETA-LACTAM ANTIBIOTIC, SULBACTAM AND BETA-LACTAMASE INHIBITOR

(51) International classification	:A61K31/00	(71) <b>Name of Applicant :</b> <b>1)WOCKHARDT LIMITED</b> Address of Applicant : WOCKHARDT LIMITED D-4 MIDC Industrial area Chikalthana Aurangabad - 431210 M.S. India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)Bhagwat Sachin Subhash</b> <b>2)Patel Mahesh Vithalbhai</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Pharmaceutical compositions and methods for treating or preventing bacterial infections are disclosed. The pharmaceutical compositions typically comprise pharmaceutically effective amount of: (a) at least one beta-lactam antibiotic or a pharmaceutically acceptable salt thereof, (b) sulbactam or a pharmaceutically acceptable salt thereof, and (c) at least one beta-lactamase inhibitor or a pharmaceutically acceptable salt thereof, with the provision that the beta-lactamase inhibitor is not sulbactam.

No. of Pages : 25 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2176/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A MANUFACTURING PROCESS FOR PRODUCING A GELLED SYNTHETIC SULFONATED POLYSTYRENE

(51) International classification	:C08F 8/36	(71) <b>Name of Applicant :</b> <b>1)KUMARPAL A. SHAH</b> Address of Applicant :28 RIDGE ROAD,SEARINGTOWN,NY 11507,U.S.A.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)KUMARPAL A. SHAH</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filed on	:954/MUM/2004 :03/09/2004	

(57) Abstract :

Anthrax bio-terrorism is a poor man's nuclear bomb with devastating effects on the freedom and economy of any nation. No nation is immune. Urgently, there is a need for life saving technology that can be readily available and deployed in real time. Polystyrene sulfonate is the answer. It is life saving and will help in the development of next generation superior vaccines.

No. of Pages : 36 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2178/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SOLAR POWERED PETROL PUMP WITH LED LIGHT FIXTURES

(51) International classification	:E05F 15/20	(71) <b>Name of Applicant :</b> <b>1)DEEPAK SOLANKI</b> Address of Applicant :178/2,D SILVA HOUSE,NR MANGOR SPORTS CLUB MANGOR HILL,VASCO-DA- GAMA GOA-40802 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DEEPAK SOLANKI</b>
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 UNIT IS USEFUL FOR SAVING COST OF POWER UPTO 40%. 2. THE UNIT CAN BE DESIGNED IN MORE ADVANCE LOOK. 3. THE AVAILIBILITY OF PETROL PUMP CAN BE MADE IN VILLAGES.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2179/MUM/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : SOLAR POWERED BULK MILK COOLER STORAGE SYSTEM

(51) International classification	:E05F 15/20	(71) <b>Name of Applicant :</b> <b>1)DEEPAK SOLANKI</b> Address of Applicant :178/2, D SILVA HOUSE, NR MANGOR SPORTS CLUB MANGOR HILL, VASCO-DA-GAMA GOA-40802. India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DEEPAK SOLANKI</b>
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 UNIT DEVICE USEFUL FOR STORAGE FACILITY FOR MILK WHICH ARE KEPT UNDER COOL TEMPERATURE FOR PRESERVATION TO RETAIN ITS FRESHNESS AND NUTRIENTS FACTS FOR 1 DAYS..

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2192/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : REQUESTING ACCESS RIGHTS USING ENTERPRISE DIGITAL RIGHTS MANAGEMENT SYSTEM

(51) International classification	:G06F	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING,9TH FLOOR,NARIMAN POINT,MAHARASHTRA-400021,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)RAMACHANDRAN,ARUN</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Systems and methods for obtaining access rights to an encrypted document are described. The method comprises receiving a request for obtaining access rights to the encrypted document from a requestor, through an eDRM interface (108). The method further comprises generating a request inbox (218) corresponding to a granter of the encrypted document. The request inbox (218) contains at least the request received from the requestor. The generated request inbox (218) is sent to the granter through the eDRM interface (108). The method furthermore comprises obtaining a response to the request from the granter, and providing a status alert indicative of the response to the requestor through the eDRM interface (108).

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2193/MUM/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITION

(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)CIPLA LIMITED</b> Address of Applicant :MUMBAI CENTRAL,MUMBAI-400008, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MALHOTRA , GEENA</b>
Filing Date	:NA	<b>2)PURANDARE,SHRINIVAS MADHUKAR</b>
(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 pharmaceutical compositions for nasal and ocular use, a process for preparing the said compositions.

No. of Pages : 49 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2194/MUM/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR BOOSTER PUMP PLACEMENT

(51) International classification	:F02K 9/48	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :Nirmal Building 9th Floor Nariman Point Mumbai Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A computer-implemented method for determining locations for placement of pumps in a water distribution network is described. The method includes receiving a first set of information and a second set of information and generating an initial graph. A weight is assigned to each node of the initial graph, wherein the weight assigned to the node is indicative of a cumulative cost of placement and operation of a pump at a location for managing pressure requirement of one or more nodes, including the node, downstream of the location. Further, a weighted transformed graph is generated based on the initial graph by applying a graph-theoretic approach.

No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2184/MUM/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : SELF SUFFICIENT EDUCATION METHOD AND APPARATUS

(51) International classification	:G06F 17/30	(71) <b>Name of Applicant :</b> <b>1)JOSHI AVANTI SHRIRIAM</b> Address of Applicant : A 101,PADMAVILAS APARTMENTS,131/1,BANER PASHAN ROAD,PASHAN,PUNE-411 021,MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)JOSHI AVANTI SHRIRIAM</b>
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 :

There is provided a self sufficient method and apparatus for an education on computing apparatus. There is also provided a method further comprises of a testing module configured for displaying along with the audio playback to a user of said educational apparatus a pre-determined number of random combinations of tests and education content and for monitoring responses of a user to said random combinations of tests and education content and generation of a communication for a user of said self sufficient interactive educational apparatus and said communication is generated by said apparatus for the user of said apparatus by way of emulation.

No. of Pages : 30 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2186/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A SYSTEM AND METHOD FOR PROTECTING COMPUTER SYSTEMS FROM MALWARE ATTACKS

(51) International classification	:H04L 29/06	(71) <b>Name of Applicant :</b> <b>1)SUNIL NAMDEO SHILIMKAR</b> Address of Applicant :678/A SOBA SAANJ APARTMENT, OPPOSITE BHAGALI HOSPITAL, BIBWEWADI, PUNE 411 037 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SUNIL NAMDEO SHILIMKAR</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The malware protection system provides a virtual logon session which runs in the background invisible to the user. The virtual logon session that is created on a computer system with the help of operating system (OS) using a separate/partitioned kernel resources such as a desktop, provides a limited access environment and partitioned kernel resource namespace under the context of a logged-on user. The system is configured to run applications inside virtual logon session under the logged-on user's credentials with limited access. The system also includes an interceptor module that launches an instance of the web browser or web application inside the virtual logon session. The interceptor module intercepts every URL passing through the web browser or web application being run in the virtual logon session. The module waits to see if primary web URL is infected by drive by download exploit malware and adds the malicious URL to a malicious URL database and a non-malicious URL to a non-malicious URL database.

No. of Pages : 44 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2187/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AN ADJUSTABLE OBJECT HOLDER AND METHOD THEREOF□

(51) International classification	:B23Q 3/08	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> 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) <b>Name of Inventor :</b> <b>1)SUDIP KANTI SAHA</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides an adjustable object holder comprising: a back panel consists of plurality of stepped side edges on its either sides, wherein each of the stepped side edges comprises pin. A pair of side panels having plurality of holes facing each other at its first and second ends, wherein first end of the each side panel is connected to the either ends of back panel by inserting pins of the back panel inside the holes provided in first end of the side panels through a plurality of torsion springs. And a pair of front panels having a pair of pins at its one end, wherein each front panel is connected to second end of each side panel by inserting said pins inside the holes provided in second end of the each side panel through the plurality of torsion springs.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2200/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : BAMBOO PROCESSING METHOD AND BAMBOO BASED FLUID/GAS TRANSPORTATION SYSTEM

(51) International classification	:B27N 3/00	(71) <b>Name of Applicant :</b> <b>1)EDKE , RAJESH RAM</b> Address of Applicant :'SANKUL' ROW HOUSE 42,UNIT 83-84, NEXT TO DEENANATH MANGESHKAR HOSPITAL, ERANDWANA,PUNE-411004 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)EDKE , RAJESH RAM</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A fluid transportation system for transporting fluid to a desired location is disclosed in accordance with an embodiment. The fluid transportation system includes a plurality of tubular structures, a plurality of connectors and at least one dosing device. The plurality of tubular structures are connected to each other to form a continuous fluid flow passage for facilitating transportation of fluid therethrough to at least one plant that is in need of fluid. The plurality of connectors connects the tubular structures. The least one dosing device is disposed along the fluid flow passage, the dosing device enriches fluid flowing through the fluid flow passage with fluid enriching substance, thereby simultaneously enriching fluid, while transporting the same through the fluid flow passage.

No. of Pages : 28 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/07/2011

(21) Application No.2172/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CENTRAL PROCESSING UNIT HEAT SINK FASTENER

(51) International classification	:H05k 7/20	(71) <b>Name of Applicant :</b> <b>1)Aditya Suresh Pingale</b> Address of Applicant :6 Shree Datta Krupa Hsg. Society 1411 Sadashiv Peth Pune - 411030. Near S.P. College Maharashtra India.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)Aditya Suresh Pingale</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention Central Processing Unit (CPU) heat sink fastener module provides sufficient clamping force and at appropriate locations. A heat sink and a CPU heat sink fastener have aligned holes and springs are fitted in holes thereof. This invention provides a heat sink fastener which can tolerate smaller length of a heat sink.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2190/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A NANOCOCHLEATE -NANOSPHERE COMPLEX

(51) International classification	:A61K 38/00	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b> Address of Applicant :DEPT.OF BIOSCIENCES AND BIOENGINEERING,POWAI,MUMBAI-400076, MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)PROF. RINTI BANERJEE</b>
(87) International Publication No	:N/A	<b>2)THANIGAIVEL S</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SUDEEP CHAKRAVARTY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a nano-complex comprising (i) nanospheres with a first drug entrapped within said nanospheres and (ii) lipid based nanocochleates with a second drug encapsulated therein, characterized in that, said nanospheres are chemically or physically linked either within or on the surface of the nanocochleate such that a combination of drugs are co-encapsulated in a single nanosphere-nanocochleate complex. This invention also relates to a process for preparation of such nano-complex.

No. of Pages : 36 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2191/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WATER SOLUBLE ANTI-CANCER AGENTS AND PHARMACEUTICAL COMPOSITION THEREOF

(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)WADER, GURUPRASAD RAMCHANDRA</b> Address of Applicant :203,SANKET APARTMENT,OPP.ROSARY CONVENT SCHOOL PRATAPGUNJ,BARODA-390002,GUJRAT,INDIA. <b>2)SHAH,DHARMESH MAHENDRABHAI</b>
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b> <b>1)WADER, GURUPRASAD RAMCHANDRA</b> <b>2)SHAH,DHARMESH MAHENDRABHAI</b>
(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	

(57) Abstract :

This invention discloses water soluble anti-cancer agents. The invention more particularly discloses formate salts and formate hydrate salts of tyrosine kinase inhibitors such as Imatinib, Gefitinib, Erlotinib, Sorafenib, Dasatinib, Sunitinib, Lapatinib, Nilotinib, Vatalanib, Tandutinib and the like falling in similar category with enhanced bioavailability. Cyclodextrin clathrate compounds derived from these salts of the tyrosine kinase inhibitors are also disclosed herein.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2203/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS OF DIVALPROEX SODIUM.

(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)TORRENT PHARMACEUTICALS LTD</b> Address of Applicant :TORRENT HOUSE,OFF ASHRAM ROAD,NEAR DINESH HALL,AHMEDABAD 380009, GUJARAT,INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JAYA ABRAHAM</b>
(87) International Publication No	:N/A	<b>2)BHAVESH SHAH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)NAGESH NANDA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for preparing a modified release pharmaceutical composition of valproic acid and/or pharmaceutically acceptable salt thereof, with pharmaceutically acceptable excipients.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2204/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PREPARATION OF SUBSTITUTED 1H-IMIDAZO[4,5-C] QUINOLINE

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(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)INDOCO REMEDIES LIMITED</b> Address of Applicant :INDOCO HOUSE,166 C.S.T.ROAD, SANTACRUZ(EAST),MUMBAI-400 098, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)RAJADHYAKSHA, MANGESH NARAYAN</b> <b>2)NAIR, RANJEET</b> <b>3)SHRIGADI, NILESH BALKRISHNA</b> <b>4)PANANDIKAR, ADITI MILIND</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

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(57) Abstract :

Disclosed herein a process for the preparation of compound 4-amino-1-isobutyl-1H-imidazo[4,5-c] quinoline [Imiquimod] of Formula I;

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2205/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AC CURRENT DRIVEN OPEN-BRIDGE CONFIGURATION FOR MEASURING IMPEDANCE VARIATIONS OF A SENSOR

(51) International classification	:H01F 38/28	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY,BOMBAY</b> Address of Applicant :POWAI,MUMBAI 400076, MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)NEENA AVINASH GLIDA</b>
(87) International Publication No	:N/A	<b>2)SUDIP NAG</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MARYAM SHOJAEI BAGHINI</b>
Filing Date	:NA	<b>4)DINESH KUMAR SHARMA</b>
(62) Divisional to Application Number	:NA	<b>5)V RAMGOPAL RAO</b>
Filing Date	:NA	

(57) Abstract :

According to the invention, there is provided an AC current driven open-bridge configuration for measuring impedance variations of a sensor. The AC current driven open-bridge configuration comprises a first half bridge comprising the sensor being connected to a voltage reference node and to a first AC current source providing an excitation current for driving the first half bridge, a second half bridge comprising a reference impedance being connected to the voltage reference node and to a second AC current source providing the excitation current for driving the second half bridge, a first voltage node at a junction of the first AC current source and the sensor, and a second voltage node at a junction of the second AC current source and the reference impedance. The peak to peak value of an output voltage between the first and second voltage nodes is proportional to the excitation current and the impedance variation in the sensor, when the reference impedance is equal to a base impedance of the sensor and the excitation currents provided by the first and second AC current sources are identical.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2180/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NEW FORMULATION OF MUCILAGE OF LEPIDIUM SATIVUM FOR ITS APERIENT ACTIVITY

(51) International classification	:C07H 1/08	(71) <b>Name of Applicant :</b> <b>1)KUMAWAL YASHPAL</b> Address of Applicant :BRNSS CONTRACT RESEARCH CENTER C/O B R NAHATA COLLEGE OF PHARMACY, P. O. BOX NO. 6, MHOW-NEEMUCH ROAD, MANDSAUR 458001 Madhya Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	<b>2)JAIN ANUREKHA</b> <b>3)MALIWAL DEEPIKA</b> <b>4)MITTAL MOHIT KUMAR</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)KUMAWAL YASHPAL</b> <b>2)JAIN ANUREKHA</b> <b>3)MALIWAL DEEPIKA</b> <b>4)MITTAL MOHIT KUMAR</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to an isolation of mucilage from seeds of Lepidium Sativum by using microwave process. Carbohydrate was estimated in the extract (mucilage) by HPTLC. The formulation of mucilage was developed as emulsion then it was evaluated by different parameters. Emulsion of mucilage was used as Aperient activity (200 and 400mg/kg, oral) showed significant aperient activity. The effect was comparable with that of standard duphalac emulsion.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2181/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : BUTANOL FERMENTATION USING ACID PRETREATED BIOMASS.

(51) International classification	:C12P 5/00	(71) <b>Name of Applicant :</b> <b>1)RELIANCE LIFE SCIENCES PRIVATE LIMITED</b> Address of Applicant :DHIRUBHAI AMBANI LIFE SCIENCES CENTRE, R-282, TTC AREA OF MIDC, THANE BELAPUR ROAD, RABALE, NAVI MUMBAI 400 701 MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: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 provides the use of acid pretreated biomass such as jatropha seed cake, pongamia seed cake and banana stems as renewable feedstock for butanol production by the mutant Clostridium acetobutylicum MTCC 587. Chemical mutagenesis was carried out for improvisation of the strain for better butanol tolerance and production. This present invention for the first time has reported an efficient process for high yield of butanol obtained in single batch fermentation using acid pretreated jatropha seed cake.

No. of Pages : 33 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2198/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A MODIFIED PROCESS FOR WORT COOLING RESULTING IN HIGH ENERGY SAVING AND RECOVERY.

(51) International classification	:B01F 1/00	(71) <b>Name of Applicant :</b> <b>1)RAVI VARMA</b> Address of Applicant :5 A/A PLOT NO.14 CHINMAY COLONY, KARVE NAGAR, PUNE-411052 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)RAVI VARMA</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Present invention provides process for wort cooling using ice water at relatively higher temperatures than conventional and lowering the amount of ice water required for cooling a batch of wort. Overall the process results in savings of @ 15 to 25 % in terms of electrical energy.

No. of Pages : 10 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2211/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A DEVICE AND PROCESS FOR IMPROVED RECOVERY OF DEIONISED WATER

(51) International classification	:C02F 1/36	(71) <b>Name of Applicant :</b> <b>1)HINDUSTAN UNILEVER LIMITED</b> Address of Applicant :165/166 BACKBAY RECLAMATION,MUMBAI-400020, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)ALENCHEERY TINTO JOHNICHAN</b>
(87) International Publication No	:N/A	<b>2)VENKATARAGHAVAN RAJANARAYANA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a process for improved recovery of deionised water from a feed water stream, comprising the steps of: (i) delivering the feed water stream in to a capacitive deionisation cell; (ii) measuring the salt concentration of the water exiting the capacitive deionisation cell; (iii) collecting the water exiting the cell, when the salt concentration is lower than a predetermined lower set point, to prepare purified water or rejecting the water exiting the cell when the salt concentration is higher than a predetermined upper set point; wherein the water exiting the cell is recycled with the feed water stream when the salt concentration of the water exiting the cell is between the lower set point and the upper set point. By this process the waste water produced during capacitive deionization can be recycled so as to improve total recovery of water as well as to enhance the life of the electrodes of the capacitive deionisation cell.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2213/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A METHOD AND A SYSTEM FOR PRODUCING THERMOLABILE NANOPARTICLES WITH CONTROLLED PROPERTIES AND NANOPARTICALS MATRICES MADE THEREBY

(51) International classification	:A61K 9/14	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY,BOMBAY</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, POWAI,MUMBAI-400 076, MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)PROF.CHANDRA VENKATARAMAN</b> <b>2)AMOL ASHOK PAWAR</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

This invention relates to a method and a system of producing nanoparticles and nanoparticle matrices of thermolabile, biocompatible matrix materials, like lipids and biopolymers with controlled properties. A prototype pulse-heat aerosol system is described for single-step production of free, thermolabile nanoparticles with sufficient control over size, morphology and crystallinity with controlled-release properties, for possible therapeutic, cosmetic or diagnostic use.. Nanoparticles of the range 50 to 500 nm are obtained and are found suitable for controlled drugs delivery.

No. of Pages : 18 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2201/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : IMPROVED METHOD OF COUNTING DISCRETE LAMINAR ARTICLES BEFORE FORMING BATCHES OF PREDETERMINED COUNT THERE-FROM

(51) International classification	:B65B 35/40	(71) <b>Name of Applicant :</b> <b>1)CHAUHAN , VIJAY</b> Address of Applicant :PARLE PRODUCTS PVT.LTD., NORTH LEVEL CROSSING, VILE PARLE(EAST), MUMBAI- 400057, MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)CHAUHAN , VIJAY</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

An apparatus for grouping discrete laminar articles into batches of predetermined count is disclosed. The apparatus includes a feed conveyor, at-least one screw and counting means. The feed conveyor supports and conveys discrete laminar articles disposed thereon. The screw is disposed along either of the edges of the discrete laminar articles supported on the feed conveyor. The screw rotates to take one laminar article between its pitch and pushes forward the discrete laminar articles one by one. Each rotation of the screw positively dispenses one laminar article from a stack of several laminar articles on to a platform assembly functionally connected to the feed conveyor to facilitate grouping of the discrete laminar articles into a batch of pre-determined count. The counting means is functionally coupled to the screw for momentarily stopping rotation of the screw, when the pre-determined count of discrete laminar articles has been pushed by the screw.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2202/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WASTE AIR - COGENERATION SYSTEM

(51) International classification	:F02G 5/04	(71) <b>Name of Applicant :</b> <b>1)SHRIANG CHANDEKAR</b> Address of Applicant :5,SNEH AVISHKAR,72/1 ERANDWANE,LANE 15,PRABHAT ROAD,PUNE-411004 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)SHRIANG CHANDEKAR</b>
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 provides a system for energy generation which includes vertically mounted wind cage installed in front of an air flow or an air exhaust in such a way which develops enough torque to rotate the wind cage thereby causing the permanent magnet (PM) generator to rotate generating electrical energy. More particularly, the wind cage is positioned to generate electrical energy in an efficient and cost effective manner based of the horizontal air flow which is exhaust fan.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2215/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A NOVEL QUANTIFICATION METHOD FOR VACCINES

(51) International classification	:C07K 1/22	(71)Name of Applicant : <b>1)Serum Institute of India Ltd.</b> Address of Applicant :212/2 Off Soli Poonawalla Road Hadapsar Pune 411 028 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	<b>1)KAPRE Subhash Vinayak</b>
(87) International Publication No	: NA	<b>2)CHHIKARA Manoj Kumar</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SONI Dipen Jagdishbhai</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To provide a novel and efficient method for estimation of free polysaccharides in multivalent polysaccharide protein conjugate vaccines, wherein anti-carrier protein antibody coupled beads are mixed with sample containing multivalent protein polysaccharide conjugates to enable the separation of conjugated and unconjugated polysaccharide followed by estimation of free polysaccharide content from supernatant by multiplex competitive inhibition assay. The instant method overcomes the limitations of HPSEC & Deoxycholate based methods for free polysaccharide estimation in multivalent polysaccharide protein conjugate vaccines. Additionally total polysaccharide content and percent adsorption of polysaccharides can also be measured by instant method.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2216/MUM/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : A SOLAR WATER HEATING SYSTEM

(51) International classification	:B60K 16/00	(71) <b>Name of Applicant :</b> <b>1)MANGAL DAMODAR AKOLE</b> Address of Applicant :VATASALA-DAMODAR,42/1 SAJAKAMAMD SOCIETY,KOTHRUD PUNE-411004. MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)MANGAL DAMODAR AKOLE</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed is a solar water heating system which prevents damage to a tank thereof inspite of using hard water. Further, the solar water heating system enables harnessing the solar energy in the optimal fashion for any given site location at competitive rates which will be at par with the market. The improvement in the system comprises the tank body construction, an adjusting mechanism, a plurality of end covers, and an extended support for the air vent pipe.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2195/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : FINANCIAL ACTIVITY MONITORING SYSTEM

(51) International classification	:G06F 11/34	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :Nirmal Building 9th Floor Nariman Point Mumbai Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)NISAL Omkar</b>
(87) 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 :

present subject matter discloses a system and a method for monitoring financial activities such as transactions performed by a customer. In one implementation, the method includes retrieving customer attributes pertaining to a customer and retrieving transaction attributes pertaining to at least one transactions performed by the customer. The method further includes monitoring the at least transactions based on at least one transaction monitoring rules retrieved from rules data and generating a normalized risk index, indicative of the risk exposure of a financial institution, for the at least one transaction.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2208/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR ASSESSING UPGRADATION OF ENTERPRISE APPLICATION

(51) International classification	:G06F	(71) <b>Name of Applicant :</b> <b>1)HEXWARE TECHNOLOGIES LIMITED</b> Address of Applicant :152,SECTOR-III, MILLENIUM BUSINESS PARK, 'A'BLOCK,TTC INDUSTRIAL AREA, MAHAPE, NAVI MUMBAI-400710, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)NANDAKUMAR, G.</b> <b>2)ABHIRAMI,R.</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Disclosed is a method for assessing an upgradation of an enterprise application. The method includes identifying a plurality of objects and assessing the identified plurality of objects to determine whether one or more objects are one of objects needed to be added and objects needed to be enhanced. The method also includes displaying the assessed plurality of objects. Furthermore, the method includes scanning the assessed plurality of objects for determining a count of one or more deprecated features. The method further includes displaying the count of the one or more deprecated features. The method also includes estimating a level of complexity involved during the upgradation of the enterprise application based on a weightage assigned to one or more components associated with each object. Moreover, the method includes displaying the level of complexity. Further disclosed are a system and a computer program product for assessing an upgradation of the enterprise application.

No. of Pages : 67 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2225/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MAGNETIC POWER GENERATOR

(51) International classification	:H02K 7/18	(71)Name of Applicant : <b>1)SHRI BIRDENDRA KUMAR MAHATO</b> Address of Applicant :VILL-MAJROHI-DIH,POST-SADHAI BIHAR, DIST-VAISHALI, BIHAR 844509, BIHAR,INDIA. <b>2)RAJESH MANSUKHBHAI VAGHASIA</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor : <b>1)SHRI BIRDENDRA KUMAR MAHATO</b> <b>2)RAJESH MANSUKHBHAI VAGHASIA</b>
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 :

In the present invention magnetic power generator, three flywheel are provided on single shaft, wherein the magnets are provided on the lower side of upper flywheel, upper side of the lower flywheel and both the side of center flywheel wherein the upper and lower flywheel are fixed and center flywheel is rotating with repulsion force. The most important part of generating energy from this method is to spin a turbine. For this matter, you will use the energy of magnets which completely helps in spinning a turbine continuously. Placing magnets in the box with opposite sides towards each other will create lot of repelling energy, which will be used in spinning the small wheel that makes a turbine move and will create the magnetic energy. The motion that was created with the help of magnets is called Perpetual motion.

No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/08/2011

(21) Application No.2226/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : THEFT GUARD DETECTION DEVICE (TGDD)

(51) International classification	:G08B 15/00	(71)Name of Applicant : <b>1)Prof. Sanjay Onkarnath Dahad</b> Address of Applicant :Electronics and Telecommunication Engineering Department Government College of Engineering Kathora Naka Amravati. VMV Post Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	<b>2)Mr Gajanan Damodar Nagoshe</b>
Filing Date	:NA	<b>3)Ku Snehal Mukund</b>
(87) International Publication No	: NA	(72)Name of Inventor : <b>1)Prof Sanjay Onkarnath Dahad</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Mr Gajanan Damodar</b>
Filing Date	:NA	<b>3)Ku Snehal Mukund Gajbhiye</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

At the present we know we can<sup>TMt</sup> trust a car alarm system only. The sound of the siren is often very common and you can<sup>TMt</sup> tell whether your vehicle car alarm is triggered or not. That<sup>TM</sup>s the reason why have to develops a Cellular System which is working as a security system for car called as Theft Guard and Detecting Device (TGDD). TGDD is provided with a permanent monitoring system. It uses a cell phone as a duplex system which can be worked as a transmitter and receiver.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2206/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND INJECTOR FOR CONTROLLING GAS FLOW IN A DUCT

(51) International classification	:B65H 51/16	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY,BOMBAY</b> Address of Applicant :POWAI,MUMBAI 400076, MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method and injector for controlling gas flow in a duct. The gas flow in the duct is energised by injecting an auxiliary gas into the duct at predetermined locations at the surface of the gas flow in the duct in the direction of the gas flow at an injection angle of 0 to 3° with respect to the axis of the duct and at a skew angle of 0 to 30° with respect to the axial and radial plane of the duct to prevent and/or reconstitute flow separation and to ensure smooth gas flow in the duct. The injector (1) comprises an annular member (2) having an inlet end (5) and an outlet end (6) and being disposed between and fixed to two duct elements (3, 4) forming a duct in a leak tight manner.. One duct element (3) is at the inlet end of the annular member and the other duct element (4) is at the outlet end of the annular member. The inlet end of the annular member describes an inner diameter marginally smaller than the inner diameter of the duct element (3) at the inlet end thereof and the outlet end of the annular member describes an inner diameter matching with the inner diameter of the other duct element (4) at the outlet end thereof. The annular member further comprises a plurality of orifices (8) formed therein in a predetermined pattern. Each of the orifices defines a wide outer end (9) and a narrow inner end (10). The narrow ends of the orifices open into the duct in the direction of the gas flow in the duct at an injection angle of 0 to 3° with respect to the axis (A) of the duct and at a skew angle of 0 to 3° with respect to the axial and radial plane of the duct. A plenum chamber (11) is mounted to the annular member in a leak tight manner and communicates with the wide outer ends of the orifices

No. of Pages : 25 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2229/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METALLIZED POLYETHYLENE LAMINATES

(51) International classification	:B32B 27/32	(71) <b>Name of Applicant :</b> <b>1)ESSEL PROPACK LIMITED</b> Address of Applicant :10TH FLOOR,TIMES TOWER,KAMALA CITY, SENAPATI BAPAT MARG,LOWER PAREL, MUMBAI 400013, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)BANERJEE, MRINAL KANTI</b>
(87) International Publication No	:N/A	<b>2)ABHYANKAR, CHANDRASHEKHAR RAMCHANDRA</b>
(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 provides a metallized polyethylene laminate comprising: an outer polyethylene layer; a metallized acid copolymer layer; an inner polyethylene layer in contact with the metallized acid copolymer layer; and optionally an extruded polyethylene layer; and a sealant layer of polyethylene.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2230/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A WHEEL DRIVE ARCHITECTURE FOR ELECTRIC VEHICLES.

(51) International classification	:B60L 11/12	(71) <b>Name of Applicant :</b> <b>1)TATA TECHNOLOGIES PTE LIMITED</b> Address of Applicant :5,SHENTON WAY #22-08 UIC BUILDING,SINGAPORE-068808
(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	

(57) Abstract :

A drive train assembly adapted to control running state performance of at least two wheels of an electrical vehicle wherein the drive train assembly is adapted for the electrical vehicle comprises of two wheel drive or four wheel drive. The said assembly is adapted for working in a driving economy and a normal mode via an embedded controller device.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2231/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NOVEL SYSTEM OF DAMPING USING MULTIPLE CELL ENCLOSURE

(51) International classification	:G01N 33/487
(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)DR. AWASARE PRADEEP JANARDAN**

Address of Applicant :10A,SHRINIWAS APT. PLOT  
NO.35,IDEAL COLONY,PAUD ROAD,KOTHRUD,PUNE-411  
038,MAHARASHTRA,INDIA

**2)MR.JADHAV TUSHAR ANKUSH**

**(72)Name of Inventor :**

**1)DR. AWASARE PRADEEP JANARDAN**

**2)MR.JADHAV TUSHAR ANKUSH**

**(57) Abstract :**

A novel system of damping vibration of mechanical vibrating device comprising a metallic cantilever beam (1) as structural element, said beam being cantilevered beam and rigidly fixed and excited near its root end by an electromagnetic exciter (4). to ascertain the damped dynamic response of said beam, metallic particles (3) being filled in single cell or multiple cell enclosure attached at free end.(2) of said beam, being capable of measuring by accelerometer(5) attached at free end of said beam. The enclosure is preferably rectangular acrylic cell enclosure.containing one or more cells of substantially equal size. In the novel system the amount of reduction in vibrations is maximum for multiple cell enclosure compared to single cell enclosure of same size with identical mass ratio.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2217/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ADSORPTION PROCESS FOR PURIFICATION OF SPENT SATURATED PARAFFINIC SOLVENT USED IN POLYMERIZATION.

(51) International classification	:C01G 17/00	(71) <b>Name of Applicant :</b> <b>1)RELIANCE INDUSTRIES LIMITED</b> Address of Applicant :3RD FLOOR,MAKER CHAMBER-IV,222,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 Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)PURANIK , VIJAYALAKSHMI , RAVI</b> <b>2)KUMAR, PRAKASH</b> <b>3)JASRA, RAKSHVIR</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention discloses a process for purifying spent polymerization solvent thereby removing aromatic impurities, olefinic impurities and moisture from the spent polymerization solvent. The process comprises feeding the spent polymerization solvent to a fixed adsorbent bed wherein said solvent is substantially free of polymerization catalyst and untreated monomers; and treating at an adsorbent bed temperature of 10 to 120°C; adsorbent bed pressure of about 1 to 10 atmospheres.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2218/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : STABLE FORMULATION FOR CALCIUM BENZAMIDOSALICYLATE

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(51) International classification

:A61K

9/113

(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)GENESEN LABS LTD.**

Address of Applicant :GENESEN LABS LTD. R-75, TTC  
INDUSTRIAL ESTATE, THANE-BELAPUR ROAD, NAVI  
MUMBAI 400 701. Maharashtra India

(72)Name of Inventor :

**1)ASHWIN A. KHEMKAR  
2)SUNIL B. BARGE  
3)PRAVIN B. SHEJUL  
4)DHIRENDRA K. PANDEY**

---

(57) Abstract :

A process of formulation for Calcium Benzamidosalicylate, the film coated tablet. The film coated tablet comprising the core consisting of therapeutically effective dose of Calcium Benzamidosalicylate and hydrophilic outer coating in terms of film coating.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2219/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A BIPOLAR ELECTROSURGICAL DEVICE AND SYSTEM FOR VESSEL SEALING.

(51) International classification	:A61B 18/12	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T HOUSE,BALLARD ESTATE,MUMBAI 400 001, STATE OF MAHARASHTRA,INDIA & MEDICAL EQUIPMENTS & SYSTEMS AT GATE NO. 5,MYSORE CAMPUS,KIADB INDUSTRIAL AREA,HEBBAL,MYSORE- 570018,KARNATAKA, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RAMNING AMIT MAHADEO</b>
(62) Divisional to Application Number	:NA	<b>2)RAVINDRAN NAGARAJAN</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a bipolar device and system for sealing of vessel with less than 3 mm diameter. The bipolar device comprising a pair of strip means(130,122) where each strip means substantially placed adjacent to each other and bend to form a substantially V shaped modular profile where each strip means having an open end and a tapered end, said tapered end is diametric to said open end , a spacer means(124) substantially placed in-between said pair of tapered end , a pair of socket means (108) where socket means positioned substantially on the edge of said open end of said flat strip , a pair of prong means (102) where each strip means placed substantially adjacent to each other , a pair of metal means(146) where each metal means having substantially large surface area, a pair of blade means (144).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2234/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AN AUTOMATED APPRAISAL SYSTEM AND PROCESS THEREOF□

(51) International classification	:H04W 24/08	(71) <b>Name of Applicant :</b> <b>1)HINDUJA GLOBAL SOLUTIONS LIMITED</b> Address of Applicant :HGSL House 171 Dr. Annie Besant Road Worli Mumbai 400 018 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AJAY BAKSHI</b>
(87) 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 an online appraisal system (OAS) and the process for performance appraisal of the employees within an organization. This OAS comprises of Master Performance Segment (MPS), Master performance categories (MPC), Performance parameters for the employees in specific Master performance category, Means are provided to assess and define calculation type for performance parameter, evaluation and validation of calculated data. The process for online appraisal comprises of Identification of the performance parameters, Mapping against any one of Master Performance category, codification of performance parameter by OAS to give an identifier for each one of them called as Performance Identifier(PID).Each PID have defined calculation type for performance parameter, evaluation and validation of calculated data which is finally uploaded into OAS after which the percentile job runs with the finally disclosed data and percentile score is generated for appraisal.

No. of Pages : 33 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2227/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NOVEL COMPOUNDS AS INHIBITORS OF JAK KINASE

(51) International classification	:C07D 495/04	(71) <b>Name of Applicant :</b> <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :ZYDUS TOWER,SATELLITE CROSS ROAD, AHMEDABAD-380 015,GUJARAT,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)THOMBARE, PRAVIN S.</b>
(87) International Publication No	:N/A	<b>2)ARGADE, ANIL</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JAIN, MUKUL R.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to novel pyrimidine class of compounds, their pharmaceutically acceptable salts, and pharmaceutically acceptable compositions containing them and their use in medicine.

No. of Pages : 90 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/03/2012

(21) Application No.658/MUM/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SYSTEM FOR ASSEMBLY OF A COMPONENT ON A MOTOR-VEHICLE BODY STRUCTURE

(51) International classification	:B60J1/10	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:EP 11176142.5	<b>1)COMAU S.P.A.</b> Address of Applicant :VIA RIVALTA 30, I-10095 GRUGLIASCO(TORINO) ITALY
(32) Priority Date	:01/08/2011	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EUROPEAN UNION	<b>1)MAGNANO NUNZIO</b> <b>2)DI MINO FRANCESCO</b>
(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	

(57) Abstract :

A system for assembly of a component, in particular a roof panel, on a motor-vehicle body structure, of the type comprising: - a device (100) designed to clamp said component on said body structure in the proper position of assembly; - a centre (40, 40') for welding or fixing said component on said body structure; and - a conveying line (2) for carrying to the welding centre a succession of said body structures and for carrying out of the welding centre said body structures with said component assembled thereon, said system being characterized in that: said clamping device is provided with means for gripping said component; and it comprises first manipulator means (12) for bringing said device into a condition of connection with said component in a pick-up position, according to a predetermined mutual positioning, and for carrying said device connected to said component to a body structure that is located in a position (6), on said conveying line, upstream of said welding centre, for constraining it to said body structure according to a mutual positioning whereby said component comes to occupy said proper position of assembly.

No. of Pages : 32 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2214/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A DEVICE FOR FILLING SOLUBLE CONTAINERS WITH AN IMPROVED ASSEMBLY FOR ORIENTING AND FILLING CAPSULES.

(51) International classification	:B67C 3/00	(71)Name of Applicant : <b>1)RAJ VIKRAM TAHIL</b> Address of Applicant :FLAT NO. 1, TORPAC HOUSE, AMEYA PARK, BOISAR-NAVAPUR ROAD, BOISAR, DIST- THANE-401501, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	<b>2)N/A</b>
Filing Date	:NA	<b>3)N/A</b>
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)RAJ VIKRAM TAHIL</b>
Filing Date	:NA	<b>2)SANTOSH PURANSINGH BHAGAT</b>
(62) Divisional to Application Number	:NA	<b>3)AJAY VIRENDRA MISTRY</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a device for filling soluble containers such as capsules that can orient more number of capsules in a given cycle and has tool free and screw free change parts.

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2221/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : NOVEL COMPOSITION OF CEFETAMET PIVOXIL HYDROCHLORIDE TABLET

(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)GETZ PHARMA RESEARCH PVT.LTD.</b> Address of Applicant :PLOT,PL-11,M.I.D.C.ADDL, AMBERNATH, DIST.THANE-421 506 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SIVA KUMAR VENKATA BOBBA</b>
(87) International Publication No	:N/A	<b>2)ALOK PRAMOD TRIPATHI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SHRUTI U. BHAT</b>
Filing Date	:NA	<b>4)DEVENDRA RAMESH YEOLE</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A pharmaceutical composition is disclosed containing Cefetamet pivoxil hydrochloride and at least one of the following ionization suppressing agents: sodium citrate, potassium citrate, magnesium citrate, potassium bicarbonate, calcium bicarbonate, sodium bicarbonate, magnesium bicarbonate, sodium carbonate, potassium carbonate, calcium carbonate, magnesium carbonate, disodium hydrogen phosphate and dipotassium phosphate, together with at least one pharmaceutically acceptable excipient.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2222/MUM/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : NOVEL POLYMORPHIC FORMS OF DAPOXETINE HYDROCHLORIDE

(51) International classification	:A61P 25/00	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED</b> Address of Applicant :17TH FLOOR,KESAR SOLITAIRE,PLOT NO.5, SECTOR-19,SANPADA,NAVI MUMBAI PIN CODE:400705 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SIVA KUMAR VENKATA BOBBA</b> <b>2)ESWARA RAO KODALI</b> <b>3)GIRISH BANSILAL PATEL</b> <b>4)SANJAY DASHRATH VAIDYA</b> <b>5)ALOK PRAMOD TRIPATHI</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to novel polymorphic forms of dapoxetine hydrochloride. The present invention further relates to processes of preparing novel polymorphic forms of dapoxetine hydrochloride and pharmaceutical composition thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/08/2011

(21) Application No.3726/MUM/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : A PROCESS FOR PREPARATION OF OXAZOLIDINONE COMPOUNDS

(51) International classification	:C07D 263/52	(71) <b>Name of Applicant :</b> <b>1)WOCKHARDT LIMITED</b> Address of Applicant :D-4 MIDC Industrial area Chikalthana Aurangabad - 431210 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Gangakhedkar Kiran Kumar</b>
(87) International Publication No	: NA	<b>2)Mohammad Furqan Diwan</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Yadav Sushil Kumar</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for preparation of a compound of Formula (I) is disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.1039/KOL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INTELLIGENT CONTENT DELIVERY

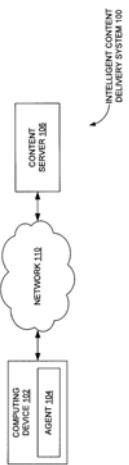
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(51) International classification	:H04L29/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(57) Abstract :

A method includes bidirectionally intercepting data associated with content delivery from a content server to a client device through an agent executing on a central computing platform and/or the client device. The agent is capable of handling both secure and non-secure communication protocols. The method also includes performing, on the data intercepted, an action on behalf of a user of the client device through the agent such that a requirement of intervention of both the content server and an interface associated with the user of the client device therefor is dispensed with.



No. of Pages : 34 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.818/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MARKING CONTROL DEVICE, LASER APPLICATION DEVICE, MARKING CONTROL METHOD, AND COMPUTER-READABLE RECORDING MEDIUM HAVING MARKING CONTROL PROGRAM

(51) International classification	:B41J 2/32
(31) Priority Document No	:2009-240527
(32) Priority Date	:19/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/068535
Filing Date	:14/10/2010
(87) International Publication No	:WO 2011/049147
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)RICOH COMPANY, LTD.**

Address of Applicant :3-6, NAKAMAGOME 1-CHOME,  
OHTA-KU, TOKYO 1438555 JAPAN

(72)**Name of Inventor :**

**1)YAMAMOTO, KAZUTAKA**

**2)ISHIMI, TOMOMI**

**3)KAWAHARA, SHINYA**

**4)ASAI, TOSHIAKI**

**5)HOTTA, YOSHIHIKO**

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(57) Abstract :

A disclosed marking control device controls a marking device to mark a target image on a thermoreversible recording medium by applying a laser beam includes a marking position determination unit dividing the image into plural marking lines, and determining their marking positions; a marking order determination unit determining a marking order to mark the marking lines in mutually opposite directions; an adjusting unit adjusting a distance between a first ending point and a second starting point to be longer than a distance between a first starting point and a second ending point, or adjusting laser power applied to a second starting point side of the second marking line to be lower than the laser power applied to a second ending point side of the second marking line; and a marking instruction generator unit generating marking instructions including the marking positions of the marking lines and the marking order thereof.

No. of Pages : 172 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.819/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND ESTABLISHING CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS

(51) International classification	:H04L 12/56
(31) Priority Document No	:12/575,190
(32) Priority Date	:07/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001587
Filing Date	:06/10/2010
(87) International Publication No	:WO 2011/041895
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NORTEL NETWORKS LIMITED**

Address of Applicant :2351 BOULEVARD ALFRED-NOBEL, ST. LAURENT, QUÉBEC H4S 2A9 CANADA

(72)**Name of Inventor :**

**1)CASEY, LIAM M.**

**2)ALLAN, DAVID IAN**

**3)BRAGG, NIGEL LAWRENCE**

**4)CHIABAUT, JEROME**

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(57) Abstract :

A method ensures that multicast packets follow the same loop-free path followed by unicast packets in a packet communication network. The communication network includes at least one first area interconnected through at least one area border node (ABN) to a second area. Each ABN has a first level port connected to each first area and a second level port connected to the second area. Each multicast packet forwarded includes a header having a root-id identifying a root of a multicast tree. A data packet is received at an ABN. Responsive to receiving a multicast packet at a second level port of an area border node, the root-id of the multicast packet is examined and if the multicast packet is to be forwarded over at least one of the first level ports, a different root-id is substituted into the packet before the packet is forwarded over the first level port.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.823/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : COLOR TONE CORRECTING AGENT, SQUARYLIUM COMPOUND AND OPTICAL FILTER

(51) International classification	:C09B 23/00
(31) Priority Document No	:2010-006804
(32) Priority Date	:15/01/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/071698
Filing Date	:03/12/2010
(87) International Publication No	:WO 2011/086785
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)ADEKA CORPORATION**

Address of Applicant :2-35, HIGASHIOGU 7-CHOME,  
ARAKAWA-KU, TOKYO 116-8554 JAPAN

(72)Name of Inventor :

**1)MAEDA, YOSUKE**

**2)ISHIDA, TATSUYA**

(57) Abstract :

The present invention provides a color tone correcting agent having suitable heat resistance for use in an optical filter, a novel squarylium compound that is specifically preferable as the color tone correcting agent, and an optical filter including the color tone correcting agent. Specifically, the present invention provides a color tone correcting agent including a squarylium compound represented by the general formula (1), a novel squarylium compound which is represented by the general formula (4) and is preferable as the color tone correcting agent, and an optical filter including the color tone correcting agent. The general formula (1) and (4) are each as defined in the specification.

No. of Pages : 51 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.1034/KOL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CELLULAR, WIRELESS AND IP BASED INTERACTIVE MULTIMEDIA SYSTEM AND SERVICE WITH QUAD PLAY

(51) International classification	:H04L12
(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)MATRIX VENTURES PRIVATE LIMITED**

Address of Applicant :EC-229, SECTOR-I, SALT LAKE CITY, KOLKATA-700 064, WEST BENGAL, INDIA

(72)**Name of Inventor :**

**1)DR. SUBRATA KUMAR DE**

(57) Abstract :

The invention provides a cellular, wireless and IP based interactive multimedia system for integration of live video calls from multiple originating users into a live video platform. Multiple incoming video streams from people using simple mobile phones and fixed phones/ IPTV screens can be accommodated to call into live environment, and be integrated therein in the same time, and be shown thereafter onto TV screens, mobile phones, IPTV and other display media. A method for integration of live video calls from multiple originating users into a live video platform enabling the system provided by the invention is also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.1035/KOL/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD FOR PRODUCING AN EFFECTIVE VACCINE AGAINST SALMONELLOSIS USING GAMMA RADIATION

(51) International classification	:A61K39/108	(71) <b>Name of Applicant :</b> <b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH (RC FOR NEH REGION)</b> Address of Applicant :ICAR RESEARCH COMPLEX FOR NEH REGION, UMROI ROAD, UMIAM, BARAPANI-793 103, MEGHALAYA India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)BEGUM, RAMIE HUSNEARA</b> <b>2)RAHMAN, HABIBUR</b> <b>3)AHMED, GIASUDDIN</b> <b>4)BUJARBARUAH, KAMAL MALLA</b> <b>5)SARMA, HALADHAR</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention is related to a method of producing an effective vaccine against salmonellosis using gamma radiation as a means of toxin inactivation to convert the *Salmonella enterotoxin* (Stn) into toxoid to be used as vaccine. The toxic moiety of the toxin was found to be totally inactivated in rabbit ligated ileal loop test (RLIL) and Chinese hamster ovary (CHO) cell assay. The immunogenicity of the toxoid was found to be intact as it could raise antibodies in rabbits, which were detected, by agar gel precipitation test (AGPT) and Dot- enzyme-linked immunosorbent assay (Dot-ELISA). Adjuvanted vaccines prepared from the irradiated toxoid (100µg of protein per ml) administered to poultry bird at an age of 3 week and a booster dose at 5 weeks could afford 100% protection of birds against challenge by homologous and heterologous serovars. Moreover the antibody titre monitored till 10th week after primary vaccination showed a substantial rise in the antibody titre, which reached a peak on the 6 weeks after post primary vaccination.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.816/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : DC POWER DISTRIBUTION SYSTEM

(51) International classification	:H02J 9/06
(31) Priority Document No	:2009-232020
(32) Priority Date	:05/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2010/002428
Filing Date	:28/09/2010
(87) International Publication No	:WO 2011/042779
(61) 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)HIROAKI KOSHIN**

**2)TAKESHI INOUE**

**3)TAKUYA KAGAWA**

**4)MASATO KASAYA**

**5)KAZUNORI KIDERA**

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(57) Abstract :

A DC power distribution system is equipped with a storage device having a first storage battery, which discharges to electrical apparatuses only during power failure, and a second storage battery, which discharges to electrical apparatuses when service is not interrupted. The electricity storage device and electrical apparatuses are supplied with DC power from a power generation device which generates electricity using natural energy, and DC power which has been converted from AC power supplied from a commercial power source. When the power supply from the electricity generation device and the commercial power source is interrupted, the first storage battery discharges power to the electrical apparatuses.

No. of Pages : 58 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.825/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SECURITY LABEL FOR SECURING MEDICATIONS RETAINED IN AN INDIVIDUAL PACKAGING

(51) International classification	:B65D 75/36	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:20 2009 012 186.0	<b>1)FAUBEL &amp; CO NACHFOLGER GMBH</b>
(32) Priority Date	:08/09/2009	Address of Applicant :SCHWARZENBERGER WEG 45, 34212 MELSUNGEN GERMANY
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/DE2010/001022	<b>1)LUDWIG, FRANK</b>
Filing Date	:31/08/2010	<b>2)DIELING, MARCO</b>
(87) International Publication No	:WO 2011/029421	<b>3)KUGE, REINHARD</b>
(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 security label for securing medications retained in an individual packaging, comprising a base (10, 20, 30) that can be adhesively bonded to the individual packaging (12, 22, 32), wherein at least one opening cut (17, 37, 47, 57, 67, 77/87, 97, 107, 117, 127, 137, 147, 157) per medication (16) is provided in the base (10, 20, 30) in the area of the expected medications (16), wherein the opening cut (17, 37, 47, 57, 67, 77, 87, 97, 107, 117, 127, 137, 147, 157) has at least one first and one second partial cut, and wherein the first partial cut and the second partial cut meet or cross, wherein two, three, four, or five opening cuts (17, 37, 47, 57, 67, 77, 87, 97, 107, 117, 127, 137, 147, 157) are provided in the area of the expected medication (16), and the opening cuts (17, 37, 47, 57, 67, 77, 37, 97, 107, 117, 127, 137, 147, 157) are arranged exclusively along a segment of the contour of the medication (16) or along a segment of the contour of the medication trough, wherein the segment makes up approximately one half to one sixth, preferably one fourth, of the contour.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.1019/KOL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POWER ADJUSTABLE AND TRANSFORMERLESS AC TO DC POWER CIRCUIT

(51) International classification	:H02M7	(71) <b>Name of Applicant :</b> <b>1) ANN CHENG ENTERPRISE CO., LTD.</b> Address of Applicant :NO.7-18, XINPI, JIUPI VILLAGE, TAIBAO CITY, CHIAYI COUNTY R.O.C. Taiwan
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1) TSAI, TSUNG-EIN</b>
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 power adjustable and transformerless AC to DC power circuit including an AC to DC power circuit is revealed. The AC to DC power circuit consists of a first reactance component, a second reactance component and an AC power connected to form a loop. The second reactance component is connected to a full bridge rectifier for full-wave rectification of lower voltage AC to output an unstable low voltage DC. A filter capacitor is connected across to the full bridge rectifier to filter the unstable low voltage DC and output a stable low voltage direct current. Thus the manufacturing cost is dramatically reduced, the power is saved, and no heat is generated. Moreover, the reactance of the whole circuit is reduced so as to get high power factor. No high frequency radiation is created so that there is no radiation damage and no interference to electronic equipment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.1036/KOL/2011 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AN IMPROVED PLANET CARRIER ADAPTABLE TO PLANETARY GEAR BOX (PGB) FOR VERTICAL SPINDLE BOWL MILLS

(51) International classification	:F16H1/28	(71) <b>Name of Applicant :</b> <b>1)BHARAT HEAVY ELECTRICALS LIMITED</b> Address of Applicant :AT REGIONAL OPERATIONS DIVISION (ROD), PLOT NO: 9/1, DJ BLOCK 3RD FLOOR, KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI-110049, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b> <b>1)SATISH GHATGE</b> <b>2)SOMAK BASU</b> <b>3)JAYANT GANESH KULKARNI</b> <b>4)AMAN SERAPHIM SURIN</b>
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention is provided with an improved Planet Carrier adaptable to Planetary Gear Box (PGB) for vertical spindle bowl mills comprising an inverted T shaped body (1) having a round shaped top flange (2) and an integral stem part (3) disposed perpendicularly on the top flange (2) and the inverted T shaped body having 3 machined holes (4) on the top flange disposed at 120° apart from one hole to other hole and a round shaped bottom flange (5) having 3 machined holes (6) disposed at 120° apart from one hole to other hole and the top flange (2) and the bottom flange are assembled by 3 cylindrical pillars by inserting in the holes of top flange and the holes in the bottom flange and joined by welding (9) and three planet gears are assembled in between the top flange and the bottom flange and disposed at 120° apart from one to other; characterized in that improved planet carrier allows the planet gear to function freely without any foulness on the peripheral body.

No. of Pages : 10 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.1041/KOL/2011 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : NOVEL PROCESS FOR PREPARATION OF OLMESARTAN MEDOXOMIL

(51) International classification	:C07D405/14	(71) <b>Name of Applicant :</b> <b>1)LUPIN LIMITED</b> Address of Applicant :159 CST Road, Kalina, Santacruz (East), Mumbai-400 098, State of Maharashtra, India and also having a place of business at 1/1, Sashi Shekhar Bose Road, Kolkata- 700 025, State of West Bengal, India.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)FIRKE RAJENDRA VISHWANATH</b> <b>2)SISODIA UJJWAL KOMALSING</b> <b>3)BHANGALE CHANDRAKANT SHRIRAM</b> <b>4)SHIVDAVKAR RADHAKRISHNA BHIKAJI</b> <b>5)GODEBOLE HIMANSHU MADHAV</b> <b>6)SINGH GIRIJ PAL</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention provides novel process for preparation of olmesartan medoxomil (I) substantially free of olmesartan acid impurity (II) comprising, reacting trityl olmesartan medoxomil (III) with acid, filtering the precipitate of trityl alcohol, subjecting the filtrate to agitated thin film drying and recovering olmesartan medoxomil (I).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.827/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : A DATA ENTRY SYSTEM

(51) International classification	:G06F3/048
(31) Priority Document No	:60/577,444
(32) Priority Date	:04/06/2004
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2005/019582
Filing Date	:03/06/2005
(87) International Publication No	:WO 2005/122401
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:8/KOLNP/2007
Filed on	:02/01/2007

(71)Name of Applicant :

**1)GHASSABIAN, BENJAMIN, FIROOZ**  
Address of Applicant :11 LOCUST COVE LANE, GREAT NECK, NY 11024 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)GHASSABIAN, BENJAMIN, FIROOZ**

(57) Abstract :

A data entry system using: a movement detecting means; and a processor; wherein the processor is adapted to relate a users gliding actions originating from any location to be detected by the movement detecting means, in substantially different directions to different input signals, and to relate the gliding actions provided from said location in a substantially identical direction to a same input signal.

No. of Pages : 471 No. of Claims : 116

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2012

(21) Application No.848/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ANDROGEN RECEPTOR MODULATING COMPOUNDS

(51) International classification	:C07D 231/14
(31) Priority Document No	:61/255,159
(32) Priority Date	:27/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/FI2010/000065
Filing Date	:27/10/2010
(87) International Publication No	:WO 2011/051540
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)ORION CORPORATION**

Address of Applicant :ORIONINTIE 1, FIN-02200 ESPOO  
FINLAND

**(72)Name of Inventor :**

**1)WOHLFAHRT, GERD**

**2)TÖRMÄKANGAS, OLLI**

**3)SALO, HARRI**

**4)HÖGLUND, IISA**

**5)KARJALAINEN, ARJA**

**6)KNUUTTILA, PIA**

**7)HOLM, PATRIK**

**8)RASKU, SIRPA**

**9)VESALAINEN, ANNIINA**

---

**(57) Abstract :**

Compounds of formula (I) wherein R1 to R16, A, B and E are as defined in the claims and pharmaceutically acceptable salts and esters thereof, are disclosed. The compounds of formula (I) possess utility as tissue-selective androgen receptor modulators (SARM) and are particularly useful as medicaments in the treatment of prostate cancer and other AR dependent conditions and diseases where AR antagonism is desired.

No. of Pages : 257 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.815/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : ELECTRICITY SUPPLY MANAGEMENT DEVICE

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(51) International classification	:H02J 7/35
(31) Priority Document No	:2009-232008
(32) Priority Date	:05/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2010/002495
Filing Date	:01/10/2010
(87) International Publication No	:WO 2011/042788
(61) 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)KIYOTAKA TAKEHARA

(57) Abstract :

An electricity supply management device includes a solar cell; a commercial Alternating Current (AC) power source; and a storage battery, in which the storage battery is charged by an electric power from the solar cell, and a power from at least one of the solar cell, the commercial AC power source and the storage battery is supplied to one or more load devices. A power consumption level by the load devices is controlled based on comparison result between a power generation amount by the solar cell and a power consumption amount by the load devices, and a charge level of the storage battery indicative of a ratio of charging to capacity of the storage battery.

No. of Pages : 50 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.821/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INHIBITORS OF CXCR1/2 AS ADJUVANTS IN THE TRANSPLANT OF PANCREATIC ISLETS

(51) International classification	:A61K 31/18
(31) Priority Document No	:09172364.3
(32) Priority Date	:06/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064921
Filing Date	:06/10/2010
(87) International Publication No	:WO 2011/042466
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)DOMPE' S.P.A.**

Address of Applicant :LOCALITÀ CAMPO DI PILE SNC, I-67100 L'AQUILA AQ ITALY

(72)Name of Inventor :

**1)PIEMONTI, LORENZO**

**2)DAFFONCHIO, LUISA**

**3)ALLEGRETTI, MARCELLO**

---

(57) Abstract :

The invention relates to CXCR1 and/or CXCR2 inhibitors for the preparation of a medicament for use as an adjuvant in the transplant of pancreatic islets in Type 1 diabetes patients. In particular, the compounds that can be used according to the invention have the following formula (I) in which R and R1 are as defined in the description.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.822/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS

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(51) International classification	:A61K 31/421
(31) Priority Document No	:61/251,023
(32) Priority Date	:13/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052263
Filing Date	:12/10/2010
(87) International Publication No	:WO 2011/046905
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)RIB-X PHARMACEUTICALS, INC.

Address of Applicant :300 GEORGE STREET, SUITE 301,  
NEW HAVEN, CT 06511 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)BURAK, ERIC, S.

2)LI, DANPING

(57) Abstract :

The present invention relates to pharmaceutical compositions useful for administration for treating, preventing, or reducing the risk of microbial infections.

No. of Pages : 25 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/04/2012

(21) Application No.853/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ROTARY STRUCTURES

(51) International classification	:B23H 9/10
(31) Priority Document No	:0917317.0
(32) Priority Date	:02/10/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051642
Filing Date	:01/10/2010
(87) International Publication No	:WO 2011/039546
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BLADON JETS HOLDING LIMITED**

Address of Applicant :11 HOPE STREET, DOUGLAS, IM1  
1AQ, ISLE OF MAN, U.K.

(72)Name of Inventor :

**1)ALAN NOBEL**

**2)CHRISTOPHER BLADON**

(57) Abstract :

A method of contactlessly machining a workpiece 16 is disclosed. A tool 2 is advanced in a direction towards the face of the workpiece 20, thereby removing material from the face of the workpiece 20 by a change of state of the material induced by its proximity to the tool 2. Also disclosed are number of tools which allow rapid simultaneous machining of a plurality of bladed disks.

No. of Pages : 30 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/04/2012

(21) Application No.854/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : 5HT2C RECEPTOR MODULATOR COMPOSITIONS AND METHODS OF USE

(51) International classification	:A61K 31/135
(31) Priority Document No	:60/638,667
(32) Priority Date	:23/12/2004
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2005/046654
Filing Date	:21/12/2005
(87) International Publication No	:WO 2006/071740
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2012/KOLNP/2007
Filed on	:04/06/2007

(71)Name of Applicant :

1)ARENA PHARMACEUTICALS, INC.

Address of Applicant :6166 NANCY RIDGE DRIVE, SAN DIEGO, CALIFORNIA 92121-3223, UNITED STATES OF AMERICA

(72)Name of Inventor :

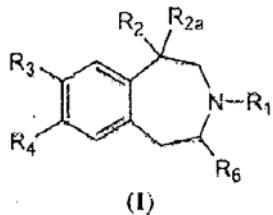
1)BEHAN, DOMINIC P

2)SMITH, BRIAN M.

3)BJENNING, CHRISTINA

(57) Abstract :

The present invention relates to a composition comprising phentermine and a selective 5HT-2C receptor agonist. In addition, the invention relates to a composition comprising phentermine and a selective 5HT-2C receptor agonist having Formula (I): or a pharmaceutically acceptable salt, solvate or hydrate thereof. These compositions are useful in pharmaceutical compositions whose use includes the treatment of obesity.



No. of Pages : 94 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.868/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : GARMENT WITH MOISTURE TRIGERRED ALARM

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(51) International classification	:A61B 5/20
(31) Priority Document No	:0915909.6
(32) Priority Date	:11/09/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/001721
Filing Date	:13/09/2010
(87) International Publication No	:WO 2011/030114
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)CHAGGER, AVTAR, S.

Address of Applicant :1 HOTHORPE CLOSE BINLEY COVENTRY CV3 2HX U.K.

(72)Name of Inventor :

1)CHAGGER, AVTAR, S.

(57) Abstract :

A garment for incontinent children or adults is provided. The garment comprises a detection unit (11) that has a moisture sensor (18) for sensing excreta or bodily fluids, a response means (20) for producing a response signal in response to excreta being sensed by the sensor means; and a transmitter means (14) for transmitting a trigger signal in response to the response signal. The garment also comprises a receiver unit (50) having a receiver (52) for receiving said trigger signal and alert means (58, 54) for generating an alert signal in response to receipt of said trigger signal.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.869/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : APPARATUS FOR AEROPONICALLY GROWING AND DEVELOPING PLANTS

(51) International classification	:A01G 31/00
(31) Priority Document No	:12/584,773
(32) Priority Date	:11/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048386
Filing Date	:10/09/2010
(87) International Publication No	:WO 2011/031939
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SIMMONS, ROBERT**

Address of Applicant :12951 SW PADDOCK LN,  
INDIANTOWN, FL 34956 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)SIMMONS, ROBERT**

(57) Abstract :

A self-contained apparatus for aeroponically growing and developing plants that comprises a reservoir for containing a liquid nutrient solution, a conical tower, a power supply, and a pump to move the liquid nutrient solution through the apparatus. The apparatus utilizes a pump to move the liquid nutrient solution from the reservoir vertically to a distribution pipe. Gravity then pulls the liquid nutrient solution downward through the distribution pipe, which is sealed at the opposite end. The pressure created within the distribution pipe creates sufficient force to disperse the liquid nutrient solution through the opening(s) in the distribution pipe onto the exposed root mass. Once the nutrient solution has been dispersed into the conical tower it is absorbed by the exposed root mass. The un-absorbed liquid nutrient solution collects the in base of the conical tower and is returned to the reservoir to be reused.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.826/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SECURITY LABEL FOR SECURING MEDICATIONS RETAINED IN AN INDIVIDUAL PACKAGING

(51) International classification	:B65D 75/36	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:20 2009 012 193.3	<b>1)FAUBEL &amp; CO NACHFOLGER GMBH</b>
(32) Priority Date	:08/09/2009	Address of Applicant :SCHWARZENBERGER WEG 45,
(33) Name of priority country	:Germany	34212 MELSUNGEN GERMANY
(86) International Application No	:PCT/DE2010/001024	(72) <b>Name of Inventor :</b>
Filing Date	:31/08/2010	<b>1)LUDWIG, FRANK</b>
(87) International Publication No	:WO 2011/029423	<b>2)KUGE, REINHARD</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DIELING, MARCO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a security label for protecting medicaments contained in an individual packaging, comprising a base layer (11, 111, 211) that can be stuck to the individual packaging (10, 110), at least one opening cut (26, 226) being formed in the base layer (11, 111, 211), in the region of the medicament (16) to be inserted. A security layer (10, 110) is stuck to the base layer (11, 111, 211), and removable elements (19) are formed in the security layer (10, 110) in the region of the medicaments (16) to be inserted, in such a way that cuts (18) are made in the security layer (10, 110) on the edge of the removable elements (19), said cuts (18) following a virtual cut strip. Furthermore, a means for reducing or eliminating the adhesive force of the adhesive of the security layer (10, 110) is applied to the base layer (11, 111, 211) in the region of the removable elements(19).

No. of Pages : 26 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2012

(21) Application No.846/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INTEGRATED FLUID PRESSURE SENSOR SYSTEM

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(51) International classification	:G01L 15/00
(31) Priority Document No	:12/574,057
(32) Priority Date	:06/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/002530
Filing Date	:06/10/2010
(87) International Publication No	:WO 2011/042795
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)EATON CORPORATION**

Address of Applicant :EATON CENTER, 1111 SUPERIOR AVENUE, CLEVELAND, OH 44114-2584, U.S.A.

(72)**Name of Inventor :**

**1)KANDA, ROBERT, JOHN**

**2)DELL'EVA, MARK, LOUIS**

**3)AMBROSE, STEVEN, LEE**

(57) Abstract :

An integrated fluid pressure sensor system includes a printed circuit board (20), a pressure manifold (18) having a pressure source (22), and a sensor (4). The printed circuit board may be coupled to a pressure manifold. The printed circuit board and the pressure manifold may define a pressure cavity (16). The pressure source can be operatively configured to release fluid into the pressure cavity. The sensor may be affixed to the printed circuit board within the pressure cavity. The sealing member (28, 29, 31, 33) may be disposed between the printed circuit board and the pressure manifold. The gasket may be operatively configured to seal the pressure cavity.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.864/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : APPARATUS, METHOD AND COMPUTER PROGRAM FOR PROVIDING ONE OR MORE ADJUSTED PARAMETERS FOR PROVISION OF AN UPMIX SIGNAL REPRESENTATION ON THE BASIS OF A DOWNMIX SIGNAL REPRESENTATION AND A PARAMETRIC SIDE INFORMATION ASSOCIATED WITH THE DOWNMIX SIGNAL REPRESENTATION, USING AN AVERAGE VALUE

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(51) International classification	:G10L 19/00
(31) Priority Document No	:61/252,298
(32) Priority Date	:16/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2010/065503 :15/10/2010
(87) International Publication No	:WO 2011/045409
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**  
**1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG  
DER ANGEWANDTEN FORSCHUNG E.V.**  
Address of Applicant :HANSASTRAE 27C, 80686  
MUENCHEN, GERMANY  
(72)**Name of Inventor :**  
**1)HERRE, JUERGEN**  
**2)FALCH, CORNELIA**  
**3)TERENTIV, LEON**

---

(57) Abstract :

An apparatus for providing one or more adjusted parameters for a provision of an upmix signal representation on the basis of a downmix signal representation and a parametric side information associated with the downmix signal representation comprises a parameter adjuster. The parameter adjuster is configured to receive one or more parameters and to provide, on the basis thereof, one or more adjusted parameters. The parameter adjuster is configured to provide the one or more adjusted parameters in dependence on an average value of a plurality of parameter values, such that a distortion of the upmix signal representation caused by the use of non-optimal parameters is reduced at least for parameters deviating from optimal parameters by more than a predetermined deviation.

No. of Pages : 60 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.865/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : REVERBERATOR AND METHOD FOR REVERBERATING AN AUDIO SIGNAL

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(51) International classification	:G10K 15/12
(31) Priority Document No	:61/253,655
(32) Priority Date	:21/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/064909
Filing Date	:06/10/2010
(87) International Publication No	:WO 2011/057868
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.**

Address of Applicant :HANSASTRAÙE 27C, 80686 MÜNCHEN, GERMANY

(72)Name of Inventor :

**1)BERNHARD NEUGEBAUER**

**2)JAN PLOGSTIES**

**3)JUHA VILKAMO**

---

(57) Abstract :

A reverberator (10) for reverberating an audio signal (5) comprises a feedback delay loop processor (20) for delaying at least two different frequency subband signals (17) representing the audio signal (5) by different loop delays (23) to obtain reverberated frequency subband signals (27).

No. of Pages : 63 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/04/2012

(21) Application No.872/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR REMOVING A PARTICULATE CONTAMINANT MATERIAL FROM A PARTICULAR MIXED LITHIUM METAL PHOSPHATE MATERIAL

(51) International classification	:C01B 25/30	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:EP 09 013 035	1)SÜD-CHEMIE AG
(32) Priority Date	:15/10/2009	Address of Applicant :LENBACHPLATZ 6, 80333
(33) Name of priority country	:EPO	MÜNCHEN, GERMANY
(86) International Application No	:PCT/EP2010/006266	(72) <b>Name of Inventor :</b>
Filing Date	:13/10/2010	1)VOGLER, CHRISTIAN
(87) International Publication No	:WO 2011/045049	2)BAUER, PETER
(61) Patent of Addition to Application Number	:NA	3)MICHOT, CHRISTOPHE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for removing a particulate contaminant material from a particulate mixed lithium metal phosphate material, comprising the steps of providing a particulate mixed lithium metal phosphate material, including a particulate contaminant material and a fine particulate mixed lithium metal phosphate, having the mass  $x_m$ , feeding the particulate mixed lithium metal phosphate material into a fluidizing stage containing particulate mixed lithium metal phosphate material of mass  $m$ , and fluidizing it in the fluidizing stage, feeding the fluidized particulate mixed lithium metal phosphate material to a sifting stage and passing it through the sifting stage, discontinuing the feed of the particulate mixed lithium metal phosphate material into the fluidizing stage after 10 to 100 times of the mass  $m$  have been fed into the fluidizing stage, fluidizing and sifting the material present in the fluidizing stage after discontinuing the feed, until the mass of the material present in the fluidizing stage becomes 10 % to 100 % of the mass  $m$ , and removing the remaining material from the fluidizing stage, wherein the sequence of steps b) to f) is repeated until the total mass  $x_m$  has been processed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.824/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SECURITY LABEL FOR PROTECTING MEDICAMENTS CONTAINED IN AN INDIVIDUAL PACKAGING

(51) International classification	:B65D 75/36	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:20 2009 012 194.1	<b>1)FAUBEL &amp; CO NACHFOLGER GMBH</b>
(32) Priority Date	:08/09/2009	Address of Applicant :SCHWARZENBERGER WEG 45,
(33) Name of priority country	:Germany	34212 MELSUNGEN GERMANY
(86) International Application No	:PCT/DE2010/001023	(72) <b>Name of Inventor :</b>
Filing Date	:31/08/2010	<b>1)LUDWIG, FRANK</b>
(87) International Publication No	:WO 2011/029422	<b>2)KUGE, REINHARD</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DIELING, MARCO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a security label for protecting medicaments contained in an individual packaging, comprising a security layer (10, 110, 210) that can be stuck on the individual packaging. Removable elements (16, 216) are formed in the security layer (10, 110, 210), in the region of the medicaments (15) to be inserted, in such a way that cuts (17) are made in the security layer (10, 110, 210), on the edge of the removable elements (16, 216), said cuts (17) following a virtual cut strip, obstacle points are provided on the cut strip, forming a resistance when the removal element is removed.

No. of Pages : 19 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2012

(21) Application No.843/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TRIM ARRANGEMENT FOR A PIVOT ARM OF A MOTOR VEHICLE DOOR

(51) International classification	:B60J 5/04
(31) Priority Document No	:10 2009 050 064.2
(32) Priority Date	:14/10/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/006269
Filing Date	:13/10/2010
(87) International Publication No	:WO 2011/045052
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)DURA AUTOMOTIVE BODY & GLASS SYSTEMS GMBH**

Address of Applicant :KÖNIGSTRASSE 57, 58840 PLETTENBERG, GERMANY

(72)**Name of Inventor :**

**1)BISINGER, JOCHEN  
2)KRISTL, RAINER  
3)KREHMKE, MICHAEL  
4)ROTTMANN, RALF**

(57) Abstract :

The invention relates to a lining assembly (10) for a pivot arm (12) of a vehicle door (14), in particular a swinging-sliding door (14), which, by means of a pivot arm (12) mounted on one side on the vehicle structure (16) and on the other side on the vehicle door (14), can be displaced between a closed position covering the door opening and an open position exposing the door opening, wherein at least one lining element (18) is provided, by means of which the pivot arm (12) can be covered at least partially on a side (20) facing the door opening, and wherein the trim element (18) can be moved relative to the pivot arm (12) as the vehicle door (14) is moved between the closed position and the open position.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/04/2012

(21) Application No.851/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : ELECTRIC VEHICLE CHARGING STAND

(51) International classification	:H02J 7/00
(31) Priority Document No	:2009-236184
(32) Priority Date	:13/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2010/002104
Filing Date	:27/08/2010
(87) International Publication No	:WO 2011/045635
(61) 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)NOBUHIKO TODA**

**2)HIRONOBU HORI**

**3)MASASHI TANAKA**

**4)TSUYOSHI SUZUKI**

---

(57) Abstract :

An electric vehicle charging stand includes a stand body and a socket unit stored within the stand body. The socket unit has a socket, a housing for holding the socket in place and connection terminals connected to power cables and power feed terminals of the socket. The connection terminals are exposed outside the housing.

No. of Pages : 37 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.862/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : MODIFIED HUMAN TUMOR NECROSIS FACTOR RECEPTOR-I POLYPEPTIDE OR FRAGMENT THEREOF, AND METHOD FOR PREPARING

(51) International classification

:C07K 14/705

(31) Priority Document No

:10-2009-0099219

(32) Priority Date

:19/10/2009

(33) Name of priority country

:Republic of Korea

(86) International Application No

:PCT/KR2010/007160

Filing Date

:19/10/2010

(87) International Publication No

:WO 2011/049350

(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 :

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Address of Applicant :400-1 SANGSEO - DONG,  
DAEDEOK - GU, DAEJEON 306-109, REPUBLIC OF KOREA

(72)Name of Inventor :

1)KIM, SUNG WUK

2)JUN, SUNG SOO

3)PARK, SEUNG KOOK

4)KIM, SONG YOUNG

5)KIM, BUN SUN

6)JONG, JAE KAP

7)KIM, HA NA

8)SONG, YEON JUNG

---

(57) Abstract :

The present invention relates to a modified human tumor necrosis factor receptor-1 polypeptide to be coupled to a tumor necrosis factor in vivo or ex vivo, or to a fragment thereof. The modified human tumor necrosis factor receptor-1 polypeptide or the fragment thereof according to the present invention exhibit improved resistance against in vivo protease activity, and thus exhibit improved bioavailability and an improved absorption rate.

No. of Pages : 69 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.870/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PURINE DERIVATIVES USEFUL AS HSP90 INHIBITORS

(51) International classification	:C07D 473/34
(31) Priority Document No	:61/249,349
(32) Priority Date	:07/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051872
Filing Date	:07/10/2010
(87) International Publication No	:WO 2011/044394
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH**

Address of Applicant :1275 YORK AVENUE, NEW YORK, NEW YORK 10065 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)CHIOSIS, GABRIELA**

**2)TALDONE, TONY**

**3)SUN, WEILIN**

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(57) Abstract :

The present application provides substituted purine derivatives and related compounds of the formulas shown. These compounds are useful as inhibitors of HSP90, and hence in the treatment of related diseases. (Formulae) Z1-Z3, Xa-Xc, X2, X4, Y and R are as defined in the specification.

No. of Pages : 238 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.879/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : APPARATUS FOR ROLL-FORMING A SCREWTHREAD

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(51) International classification	:B21H 3/02
(31) Priority Document No	:10 2009 049 580.0
(32) Priority Date	:15/10/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005398
Filing Date	:02/09/2010
(87) International Publication No	:WO 2011/044970
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)GOTTFRIED WILHELM LEIBNIZ UNIVERSITÄT HANNOVER**

Address of Applicant :WELFENGARTEN 1, 30167 HANNOVER, GERMANY.

(72)Name of Inventor :

**1)BEHRENS, BERND-ARNO  
2)SCHMIDT, HAGEN  
3)SILBERKUHL, PHILIPP  
4)SCHNIER, DIETMAR**

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(57) Abstract :

The invention relates to a device for introducing a thread into a workpiece having a cylindrical outer surface by means of thread rolling, comprising a profiling tool (7) having a profile without pitch, wherein the axis of the profiling tool is at an angle or parallel to the axis of the workpiece, wherein the profiling tool (7) is formed by a circular disk (9) rotatably mounted about the axis (8) of the disk, on the outer edge of which disk two annular, coaxial profiles (10) without pitch protrude, wherein said profiles form an annular space therebetween that corresponds in shape and dimensions to the thread profile of the thread to be created.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.866/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : WATERPROOF VAPOR-PERMEABLE SOLE FOR SHOES AND SHOE PROVIDED WITH SAID SOLE

(51) International classification	:A43B 7/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PD2009A000300	<b>1)GEOX S.P.A</b>
(32) Priority Date	:15/10/2009	Address of Applicant :VIA FELTRINA CENTRO, 16, I-31044 MONTEBELLUNA, LOCALITA BIADENE -(TREVISO) - ITALY
(33) Name of priority country	:Italy	
(86) International Application No	:PCT/EP2010/064852	(72) <b>Name of Inventor :</b>
Filing Date	:05/10/2010	<b>1)MARIO POLEGATO MORETTI</b>
(87) International Publication No	:WO 2011/045210	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A waterproof and vapor-permeable sole for shoes, comprising a vapor-permeable lower component (11) made of polymeric material. An upper functional layer (13), which as a whole is impermeable to water and permeable to water vapor, affects at least part of the extension of the vapor- permeable surface of the lower component (11). An upper component (14) is arranged substantially on top of the functional layer (13) and has a plurality of pumping elements (15), which are directed toward the upper part corresponding to the inside of the shoe. The functional layer (13) is joined at least perimetrically and hermetically to at least one component of the sole.

No. of Pages : 18 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/04/2012

(21) Application No.873/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : EXTENDING PHYSICAL DOWNLINK CONTROL CHANNELS

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(51) International classification :H04B 7/26  
(31) Priority Document No :61/246,380  
(32) Priority Date :28/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR2010/006597  
    Filing Date :28/09/2010  
(87) International Publication No :WO 2011/037439  
(61) 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)PAPASAKELLARIOU, ARIS**

**2)CHO, JOON-YOUNG**

---

(57) Abstract :

Methods and apparatus for transmitting and receiving Downlink Control Information (DCI) in a single cell in order to support communication over multiple cells. The DCI is conveyed by DCI formats transmitted through Physical Downlink Control CHannels (PDCCHs) in a UE-Common Search Space (UE-CSS) and in a UE-Dedicated Search Space (UE-DSS). A distinct UE-DSS is defined in the single cell for each of the multiple cells. Each distinct UE-DSS has the same structure as a conventional UE-DSS and a location that is determined by the same parameters as the location of the conventional UE-DSS and by the respective cell identity (Cell\_ID).

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/04/2012

(21) Application No.874/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PROCESS FOR PREPARING AZABICYCLIC COMPOUNDS

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(51) International classification	:C07D 487/08
(31) Priority Document No	:61/243,477
(32) Priority Date	:17/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049306
Filing Date	:17/09/2010
(87) International Publication No	:WO 2011/035139
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)VERTEX PHARMACEUTICALS INCORPORATED**

Address of Applicant :130 WAVERLY STREET,  
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(72)Name of Inventor :

**1)AMBHAIKAR, NARENDRA, BHALCHANDRA**

**2)BEAR, BRIAN, RICHARD**

**3)FANNING, LEV, T.,D.**

**4)HUGHES, ROBERT**

**5)LITTLER, BENJAMIN**

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(57) Abstract :

The present invention relates to a process for preparing azabicyclic compounds that are useful intermediates for synthesizing pharmaceutical compounds or salts thereof.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.880/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SIGLEC 15 ANTIBODIES IN TREATING BONE LOSS-RELATED DISEASE

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(51) International classification	:C07K 16/28
(31) Priority Document No	:61/248,960
(32) Priority Date	:06/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001586
Filing Date	:06/10/2010
(87) International Publication No	:WO 2011/041894
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ALETHIA BIOTHERAPEUTICS INC.**

Address of Applicant :141 PRESIDENT-KENNEDY AVENUE, SUITE SB-5100, MONTREAL, QUEBEC H2X 1Y4 CANADA

(72)**Name of Inventor :**

**1)TREMBLAY, GILLES BERNARD**

**2)FILION, MARIO**

**3)STUIBLE, MATTHEW**

---

(57) Abstract :

Novel antibodies and antigen binding fragments that specifically binds to Siglec-15 are described herein In some embodiments, the antibodies or antigen binding fragments may block the biological activity of Siglec-15 and are useful in composition, for the treatment of bone loss, more particularly in bone diseases that have increased cell surface expression of Siglec-15, such as conditions where there is an increase in the bone degradative activity of osteoclasts The invention also relates to cells expressing the antibodies or antigen binding fragments such as monoclonal, humanized or chimeric antibodies Additionally, methods of detecting and treating bone loss, bone-related diseases or cancer using the antibodies and fragments are also disclosed.

No. of Pages : 164 No. of Claims : 96

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.887/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING A REFERENCE SIGNAL IN A MULTI-ANTENNA SYSTEM

(51) International classification	:H04L 27/26	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/242,810	1)LG ELECTRONICS INC.
(32) Priority Date	:16/09/2009	Address of Applicant :20 YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/006360	1)NOH, MIN SEOK
Filing Date	:16/09/2010	2)KO, HYUN SOO
(87) International Publication No	:WO 2011/034357	3)HAN, SEUNG HEE
(61) Patent of Addition to Application Number	:NA	4)CHUNG, JAE HOON
Filing Date	:NA	5)LEE, MOON II
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a method and apparatus for transmitting a reference signal in a multi-antenna system. A terminal generates a plurality of reference signal sequences in which cyclic shift values different from each other are allocated to the respective plurality of layers, and generates a single carrier-frequency division multiple access (SC-FDMA) symbol to which the plurality of reference signal sequences are mapped. The SC-FDMA symbol is transmitted to a base station via a plurality of antennas. The cyclic shift values allocated to the respective layers are determined on the basis of a first cyclic shift value, which is a cyclic shift value allocated to a first layer from among the plurality of layers, and cyclic shift offsets which are allocated to the respective layers and which are different from each other.

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.877/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR OPERATING A HYDRAULIC ACTUATION POWER SYSTEM EXPERIENCING PRESSURE SENSOR FAULTS

(51) International classification	:F15B 11/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/577,928	<b>1)EATON CORPORATION</b>
(32) Priority Date	:13/10/2009	Address of Applicant :EATON CENTER, 1111 SUPERIOR AVENUE, CLEVELAND, OH 44114-2584, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/052448	<b>1)GEHLHOFF, WADE, L.;</b>
Filing Date	:13/10/2010	<b>2)SCHOTTLER, CHRIST, W.;</b>
(87) International Publication No	:WO 2011/047006	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for operating a hydraulic actuation system 10 during a pressure sensor malfunction is provided. The hydraulic actuation system 10 includes a pump 14, a reservoir 12, a first work-port 32 and a second work-port 34, a valve system with individual orifices 22,38,46, 54, a pressure sensor system, and a controller 56 for regulating the hydraulic actuation system 10 based on fluid flow demand and on determined pressure differences. The method includes detecting a malfunction of a pressure sensor 22 for the first work-port 32, closing second and third orifices 22,46, and regulating the pump 14 to generate fluid flow corresponding to maximum pressure generated by the pump. The method also includes assigning a value for the difference between pump pressure and the pressure of the subject work-port 32 that is equivalent to a value within an attainable range for difference between the two pressures. Furthermore, the method includes regulating a first orifice 22 and a fourth orifice 54 in response to the fluid flow demand.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.878/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR TESTING MULTIPLE DATA PACKET TRANSCEIVERS  
TOGETHER DURING A PREDETERMINED TIME INTERVAL

(51) International classification	:H04L 12/56	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/563,325	<b>1)LITEPOINT CORPORATION</b>
(32) Priority Date	:21/09/2009	Address of Applicant :575 MAUDE COURT, SUNNYVALE, CA 94085, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/048938	<b>1)OLGAARD, CHRISTIAN VOLF</b>
Filing Date	:15/09/2010	
(87) International Publication No	:WO 2011/034923	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system for testing multiple data packet transceivers together during a predetermined time interval. A sequence of downlink data packets are generated and distributed as corresponding sequences of downlink data packets for reception by multiple data packet transceivers each one of which is responsive during at least a respective portion of a predetermined time interval to a respective one of the corresponding sequences of downlink data packets by transmitting a respective one of multiple corresponding sequences of uplink data packets. At least a portion of each of the corresponding sequences of uplink data packets are combined to provide a sequence of test data packets of which at least one signal parameter is measured.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.885/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING A REFERENCE SIGNAL IN A MULTI-ANTENNA SYSTEM

(51) International classification	:H04B 7/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/242,810	1)LG ELECTRONICS INC.
(32) Priority Date	:16/09/2009	Address of Applicant :20 YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/006361	1)NOH, MIN SEOK
Filing Date	:16/09/2010	2)KO, HYUN SOO
(87) International Publication No	:WO 2011/034358	3)HAN, SEUNG HEE
(61) Patent of Addition to Application Number	:NA	4)CHUNG, JAE HOON
Filing Date	:NA	5)LEE, MOON II
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a method and apparatus for transmitting a reference signal in a multi-antenna system. A terminal generates a plurality of reference signal sequences in which cyclic shift values that are different from each other are allocated to the respective plurality of layers, and generates an orthogonal frequency division multiplexing (SC-FDMA) symbol to which the plurality of reference signal sequences are mapped. The SC-FDMA symbol is transmitted to a base station via a plurality of antennas. Each of the reference signal sequences is multiplied by either +1 or -1 in accordance with an orthogonal covering code (OCC) index corresponding to the cyclic shift field in a DCI format transmitted via a physical downlink control channel (PDCCH) for each layer.

No. of Pages : 56 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.886/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : STENT HAVING EXPANDABLE ELEMENTS

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(51) International classification	:A61F 2/90
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/DE2009/001306
Filing Date	:16/09/2009
(87) International Publication No	:WO 2011/032526
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)BENTLEY SURGICAL GMBH**

Address of Applicant :LOTZENÄCKER 3 72379  
HECHINGEN GERMANY

(72)Name of Inventor :

**1)OBRADOVIĆ, MILISAV**

(57) Abstract :

The invention relates to a stent that can be implanted and redilated and that is tubularly constructed from elongate webs (11, 11, 11) that form a wall of the implant, the webs being plastically deformable in such a way that the implant (10) remains permanently widened in the expanded state in the radial direction transverse to the longitudinal axis of the webs. The stent is characterized in that at least one of the webs (11) has an expandable element (12, 12), which forms a web section within said web (11), in which web section the expandable element extends partially geometrically and transversely to the longitudinal axis of the web in the contracted state, wherein the course of the expandable element has several direction changes relative to said longitudinal axis. The stent is further characterized in that the material, thickness, and web width of the expandable element are selected in such a way that by applying force in the radial direction of the tubular implant, the expandable element can be put into a permanently expanded state by means of plastic elongation, in which permanently expanded state the web section that forms the expandable element has a greater geometric extent transversely to the longitudinal axis and a smaller extent in the direction of the longitudinal axis than in the contracted state. The expandability of the stent is thus increased considerably.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/04/2012

(21) Application No.875/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : RESIN COMPOSITION FOR FIBER-REINFORCED COMPOSITE MATERIAL, CURED PRODUCT THEREOF, FIBER-REINFORCED COMPOSITE MATERIAL, MOLDING OF FIBER-REINFORCED RESIN, AND PROCESS FOR PRODUCTION THEREOF

(51) International classification	:C08G 59/50
(31) Priority Document No	:2009-216997
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/065795 :14/09/2010
(87) International Publication No	:WO 2011/034042
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

**1)DIC CORPORATION**

Address of Applicant :35-58, SAKASHITA 3-CHOME,  
ITABASHI-KU, TOKYO 1748520 JAPAN

**(72)Name of Inventor :**

**1)KOBAYASHI, ATSUKO**

**2)OGURA, ICHIROU**

**(57) Abstract :**

The present invention provides a resin composition for a fiber-reinforced composite material, which has excellent fluidity at low temperature and which produces a cured product having excellent mechanical strength, and also provides a cured product thereof, a fiber-reinforced composite material, a fiber-reinforced resin molding having excellent heat resistance, and a process for producing a fiber-reinforced resin molding with good productivity. A resin composition for a fiber-reinforced composite material contains, as essential components, an epoxy resin (A), an acid group-containing radical polymerizable monomer (B), a radical polymerization initiator (C), and an amine-based curing agent (D) for an epoxy resin, and has a viscosity of 500 mPa.s or less at 50°C measured with an E-type viscometer. The composition is impregnated into reinforcing fibers and cured.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.876/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : PROCESS FOR THE PREPARATION OF FINELY DISPERSED LITHIUM TITANIUM SPINELS AND THEIR USE

(51) International classification	:C01G 23/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 049 470.7	1)SÜD-CHEMIE AG
(32) Priority Date	:15/10/2009	Address of Applicant :LENBACHPLATZ 6, 80333
(33) Name of priority country	:Germany	MÜNCHEN, GERMANY
(86) International Application No	:PCT/EP2010/005915	(72) <b>Name of Inventor :</b>
Filing Date	:28/09/2010	1)BUSL, STEFANIE
(87) International Publication No	:WO 2011/044989	2)WENDRICH, GENOVEVA
(61) Patent of Addition to Application Number	:NA	3)DOLLINGER, JASMIN
Filing Date	:NA	4)HOLZAPFEL, MICHAEL
(62) Divisional to Application Number	:NA	5)TRAN, NICHOLAS
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for the preparation of a mixture for producing lithium titanium spinel Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub>, having the step of mixing Li<sub>2</sub>CO<sub>3</sub> and TiO<sub>2</sub> in a vessel (1) in which at least one oblong element (2) with a first end (2a) and a second end (2b) is arranged such that the first end (2a) points towards an inner wall (1a) of the vessel (1) and is at a distance d from same, wherein the mixing step is carried out by allowing the vessel (1) to rotate and holding the oblong element (2) in its position, with the result that a relative movement takes place between the inner wall (1a) of the vessel (1) and the first end (2a) of the oblong element (2), wherein the distance d is kept constant during mixing. In addition, the invention relates to a process for the preparation of lithium titanium spinel Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> from a thus-obtained mixture and its use as anode material in rechargeable lithium-ion batteries.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.881/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INHIBITORS OF PROTEIN TYROSINE KINASE ACTIVITY

(51) International classification	:A61K 31/00
(31) Priority Document No	:61/034,005
(32) Priority Date	:05/03/2008
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/CA2009/000228 :27/02/2009
(87) International Publication No	:WO/2009/109035
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:3655/KOLNP/2010 :01/10/2010

(71)Name of Applicant :

**1)METHYLGENE INC.**

Address of Applicant :7220 FREDERICK-BANTING,  
MONTREAL, QUÉBEC H4S 2A1 CANADA

**2)OTSUKA PHARMACEUTICALS CO. LTD.**

(72)Name of Inventor :

**1)MANNION, MICHAEL  
2)RAEPPEL, STÉPHANE  
3)CLARIDGE, STEPHEN WILLIAM  
4)GAUDETTE, FRÉDÉRIC  
5)ZHAN, LIJIE  
6)ISAKOVIC, LJUBOMIR  
7)SAAVEDRA, OSCAR MARIO  
8)UNO, TETSUYUKI  
9)KISHIDA, MASASHI  
10)VAISBURG, ARKADII.**

(57) Abstract :

This invention relates to compounds that inhibit protein tyrosine kinase activity. In particular the invention relates to compounds that inhibit the protein tyrosine kinase activity of growth factor receptors, resulting in the inhibition of receptor signaling, for example, the inhibition of VEGF receptor signaling. The invention also provides compounds, compositions and methods for treating cell proliferative diseases and conditions and ophthalmological diseases, disorders and conditions.

No. of Pages : 130 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.882/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SURFACTANT-FREE WATER-FREE FOAMABLE COMPOSITIONS, BREAKABLE FOAMS AND GELS AND THEIR USES

(51) International classification	:A61K 9/12	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/248,144	<b>1)FOAMIX LTD.</b>
(32) Priority Date	:02/10/2009	Address of Applicant :PO BOX 4038, 74140 NESS ZIONA ISRAEL
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IB2010/002612	<b>1)TAMARKIN, DOV</b>
Filing Date	:01/10/2010	<b>2)GAZAL, ELANA</b>
(87) International Publication No	:WO 2011/039637	<b>3)PAPIASHVILI, IRAKLIY</b>
(61) Patent of Addition to Application Number	:NA	<b>4)HAZOT, YOHAN</b>
Filing Date	:NA	<b>5)SCHUZ, DAVID</b>
(62) Divisional to Application Number	:NA	<b>6)KEYNAN, RITA</b>
Filing Date	:NA	

(57) Abstract :

A substantially surface active agent free composition which includes a hydrophobic solvent, and/or a petrolatum, a paraffin wax and/or a fatty alcohol, a fatty acid and/or a wax and/or shea butter, with and without a propellant. A substantially surface active agent free composition, further comprising, a tetracycline antibiotic, or a vitamin D derivative, or one or more other active agents. A method of treatment using a substantially surface active agent free composition.

No. of Pages : 139 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2012

(21) Application No.890/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POLYPROPYLENE RESIN, POLYPROPYLENE RESIN COMPOSITION, AND FOAM-INJECTION-MOLDED ARTICLE

(51) International classification	:C08F 10/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-235987	<b>1)KANEKA CORPORATION</b>
(32) Priority Date	:13/10/2009	Address of Applicant :2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA 5308288 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/JP2010/067850 :12/10/2010	<b>1)OKURA TETSUO</b> <b>2)ABE TERUMASA</b> <b>3)NAKAYAMA RYOJI</b>
(87) International Publication No	:WO 2011/046103	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A polypropylene resin and a polypropylene resin composition are provided, which have excellent fluidity and foaming properties, and particularly in use for foam injection molding, allow molding with a narrow initial cavity clearance even if a large mold is used, and therefore can provide a thin, large-area foam-injection-molded article having good appearance. The invention relates to a polypropylene resin obtained by melt mixing a linear polypropylene resin, a radical polymerization initiator and a conjugated diene compound, wherein the polypropylene resin has a melt flow rate of more than 30 g/10 min and not more than 250 g/10 min as measured at 230°C under a load of 2.16 kg; a melt tension at 200°C of not less than 0.3 cN; and a loss tangent ( $\tan\delta$ ) of not more than 6.0, the loss tangent being a ratio of loss modulus to storage modulus at an angular frequency of 1 rad/s in dynamic viscoelasticity measurement at 200°C, and also relates to a polypropylene resin composition for foam injection molding, containing the polypropylene resin.

No. of Pages : 46 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.883/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PHASE-SHIFTED CENTER-DISTANCE DIFFRACTIVE DESIGN FOR OCULAR IMPLANT

(51) International classification	:A61F 2/16
(31) Priority Document No	:61/254,938
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053784
Filing Date	:22/10/2010
(87) International Publication No	:WO 2011/053532
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NOVARTIS AG

Address of Applicant :LICHTSTRASSE 35 CH-4056 BASEL SWITZERLAND

(72)Name of Inventor :

1)HONG, XIN

2)KARAKELLE, MUTLU

3)ZHANG, XIAOXIAO

---

(57) Abstract :

A diffractive multifocal design for ocular implant is provided. This ocular implant includes a diffractive multifocal intraocular lens (IOL) and a number of haptics. The diffractive multifocal IOL passes optical energy to distance, intermediate and near foci. The haptics mechanically couple to the diffractive multifocal IOL in order to position and secure the diffractive multifocal IOL within the eye. The diffractive multifocal IOL may include both a diffractive region and a refractive region, the diffractive multifocal IOL operable to phase shift optical energy such that constructive interference occurs within the diffractive region and the refractive region.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.884/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR DYNAMIC SPECTRUM ACCESS

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(51) International classification	:H04W 72/00
(31) Priority Document No	:61/242,582
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048958
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/034941
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)CHANDRAMOULI, RAJARATHNAM  
2)SENGUPTA, SHAMIK  
3)HONG, KAI**

---

(57) Abstract :

Apparatus and methods are disclosed for improving wireless and other network communications, e.g., through improving resource utilization, which may comprise the steps of accumulating channel modeling information relating to channel performance; calculating a channel parameter threshold based on the accumulated channel modeling information, whereby the channel parameter, as measured, being above the threshold indicates the channel is a good channel; adjusting traffic over a selected good channel to improve performance of the network or a network resource. The network resource may comprises battery life for devices operating on the network, data rate for devices operating on the network, constituting or reconstituting ad hoc networks comprising nodes separated by multiple hops, continuity of connectivity, within a single communication link over the network, etc. The apparatus and method of operating the apparatus may also comprise dynamically performing the adjusting step resulting from repeating the calculating step over time.

No. of Pages : 105 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2012

(21) Application No.889/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ELECTRICAL MACHINE

(51) International classification	:H02K 9/20
(31) Priority Document No	:102009051114.8
(32) Priority Date	:28/10/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/065966
Filing Date	:22/10/2010
(87) International Publication No	:WO 2011/051183
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BÜTTNER, KLAUS**

**2)DANOV, VLADIMIR**

**3)REHME, OLAF**

**4)SCHÄFER, MARTIN**

---

(57) Abstract :

The invention relates to an electric machine (100) comprising a stator (107) and a rotor (101), wherein the rotor (101) comprises a hollow shaft (102), wherein a closed hollow space (103) is formed by means of the hollow shaft (102), wherein the closed hollow space (103) is provided for receiving a cooling agent, wherein a three-dimensional transport structure (200) is provided in the closed hollow chamber (103) for transporting the cooling agent. The three-dimensional structure can, for example, be produced by means of applying an adaptive material.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2012

(21) Application No.896/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MULTI-MODE AUDIO CODEC AND CELP CODING ADAPTED THEREFORE

(51) International classification	:G10L 19/14
(31) Priority Document No	:61/253,440
(32) Priority Date	:20/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/065718
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/048094
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

- 1)GEIGER, RALF**
- 2)FUCHS, GUILLAUME**
- 3)MULTRUS, MARKUS**
- 4)GRILL, BERNHARD**

(57) Abstract :

In accordance with a first aspect of the present invention, bitstream elements of sub-frames are encoded differentially to a global gain value so that a change of the global gain value of the frames results in an adjustment of an output level of the decoded representation of the audio content. Concurrently, the differential coding saves bits otherwise occurring when introducing a new syntax element into an encoded bitstream. Even further, the differential coding enables the lowering of the burden of globally adjusting the gain of an encoded bitstream by allowing the time resolution in setting the global gain value to be lower than the time resolution at which the afore-mentioned bitstream element differentially encoded to the global gain value adjusts the gain of the respective sub-frame. In accordance with another aspect, a global gain control across CELP coded frames and transform coded frames is achieved by co-controlling the gain of the codebook excitation of the CELP codec, along with a level of the transform or inverse transform of the transform coded frames. According to even another aspect, a variation of the loudness of a CELP coded bitstream upon changing the respective gain value is rendered more well adapted to the behavior of transform coded level adjustments, by performing the gain value determination in CELP coding in the weighted domain of the excitation signal.

No. of Pages : 70 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2012

(21) Application No.897/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ANTIMICROBIAL COMPOUNDS AND METHODS OF MAKING AND USING THE SAME

(51) International classification	:C07D 498/04
(31) Priority Document No	:61/252,478
(32) Priority Date	:16/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052924
Filing Date	:15/10/2010
(87) International Publication No	:WO 2011/047320
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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**1)DUFFY, ERIN,M.**

**2)BHATTACHARJEE,ASHOKE**

**3)O'DOWD,HARDWIN**

**4) CHEN,SHILI**

**5) DEVIVO,MARCO**

**6)WIMBERLY,BRIAN,T.**

**7)LOU,RONGLIANG**

---

(57) Abstract :

The present invention relates generally to the field of antimicrobial compounds and to methods of making and using them. These compounds are useful for treating, preventing, and/or reducing the risk of microbial infections in humans and animals.

No. of Pages : 160 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.902/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MACHINE TOOL HAVING A ROTARY TRANSMITTER FOR DATA

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(51) International classification	:B23Q 1/00
(31) Priority Document No	:102010003338.3
(32) Priority Date	:26/03/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/052709
Filing Date	:24/02/2011
(87) International Publication No	:WO 2011/117038
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)FRONIUS, JÜRGEN**

**2)GRAF, HEIKO**

**3)HASSELKUSS, EWALD**

---

(57) Abstract :

The invention relates to a machine tool having a machine frame, a motor-driven machine spindle (10) rotatably mounted on the machine frame, and at least one exchangeable processing head (12) on the machine spindle (10). The processing head (12) comprises a coupling element compatible with a receiving portion of the machine spindle (10). Furthermore, a rotary transmitter (16) for data transfer between a stator (18) fixed to the frame and a rotor (20) fixed to the spindle is provided. The invention is characterised in that the machine spindle (10) comprises a plurality of function modules (28, 28, 28) on the spindle side as well as a line system forming a component of a spindle bus (30) to which the function modules (28, 28, 28) on the spindle side are connected to form subscriber stations of the spindle bus (30) and wherein the spindle bus (30) communicates via the rotary transmission path (16) with a field bus (32) fixed to the frame.

No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.903/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : RE CAVITY AND ACCELERATOR HAVING SUCH AN RF CAVITY

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(51) International classification	:H05H 7/18
(31) Priority Document No	:102009053624.8
(32) Priority Date	:17/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/065595
Filing Date	:18/10/2010
(87) International Publication No	:WO 2011/061026
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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(72)Name of Inventor :

1)BAURICHTER, ARND

2)OLIVVER HEID

3)TIMOTHY HUGHES

(57) Abstract :

The invention relates to an HF cavity, wherein the HF cavity has a chamber, a conductive wall (15) surrounding the chamber, which has an inner face (19) and an outer face (17), and a switch assembly having a plurality of solid body switches (29) which are arranged along a circumference of the wall (15) around the chamber, wherein the solid body switches (29) are connected to the conductive wall (15) such that upon activation of the switching assembly HF currents are induced in the conductive wall (15), causing HF power to be coupled in the chamber of the HF cavity (11), wherein there is a shielding device (33, 37, 39, 41, 43) along a circumference of the HF cavity (11) on the outer face (17) of the conductive wall (15) which increases the impedance of a dispersion path of HF currents along the outer face (17) of the wall (15) such that the HF currents coupled in the wall (15) are suppressed on the outer face (17) of the wall (15). The invention further relates to an accelerator having said HF cavity.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.911/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : ANTIMICROBIAL COMPOUNDS AND METHODS OF MAKING AND USING THE SAME

(51) International classification	:C07D 239/36
(31) Priority Document No	:61/252,478
(32) Priority Date	:16/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052928
Filing Date	:15/10/2010
(87) International Publication No	:WO 2011/047323
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

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**4)DEVIVO, MARCO**

**5)DU, YANMING**

**6)SINISHTAJ, SANDRA**

**7)TANG, YUANQING**

**8)WIMBERLY, BRIAN T.**

---

**(57) Abstract :**

The present invention relates generally to the field of antimicrobial compounds and to methods of making and using them. These compounds are useful for treating, preventing, and reducing the risk of microbial infections in humans and animals.

No. of Pages : 201 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.913/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TURBINE BLADE FASTENING FOR A TURBOMACHINE

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(51) International classification	:F01D 5/30
(31) Priority Document No	:09014382.7
(32) Priority Date	:17/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/067582
Filing Date	:16/11/2010
(87) International Publication No	:WO 2011/061193
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)RICHTER, CHRISTOPH HERMANN**

(57) Abstract :

The invention relates to a turbine blade fastening comprising a blade root (1) implemented in a Christmas tree design, comprising anchoring teeth (5) implemented toward the blade casting tip (12) such that the height (H) of the anchoring teeth (5) is reduced toward the blade casting tip (12).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2012

(21) Application No.892/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INJECTION DEVICE AND RESIN INJECTION METHOD

(51) International classification	:B29C 45/57
(31) Priority Document No	:2009-268144
(32) Priority Date	:25/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/068085
Filing Date	:14/10/2010
(87) International Publication No	:WO 2011/065143
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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NAGANO 384-8585 JAPAN

(72)Name of Inventor :

1)HIROSHI HORIGOME

2)YASUHIRO HIDAKA

(57) Abstract :

As an injection screw 2 applies pressure, a holding pressure plunger 22 is moved backward under the pressure of a resin to flow the resin into a holding pressure path 9, and the resin in a resin path 6 is pressurized (primary holding pressure process). A shutoff plunger 12 is closed, and the resin in the resin path 6 and the holding pressure path 9 is pressurized by the holding pressure plunger 22 (secondary holding pressure process). Further, the shutoff plunger 12 is opened, and the holding pressure plunger 22 is moved forward until its tip projects into the resin path 6 to discharge all the resin in the holding pressure path 9 to the resin path 6, whereby the resin beside the injection screw 2 as compared with the shutoff plunger 12 is held with respect to the holding pressure path 9.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.900/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PHASE-PURE LITHIUM ALUMINIUM TITANIUM PHOSPHATE AND METHOD FOR ITS PRODUCTION AND ITS USE

(51) International classification	:C01B 25/37	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 049 694.7	<b>1)SÜD-CHEMIE AG</b>
(32) Priority Date	:16/10/2009	Address of Applicant :LENBACHPLATZ 6, 80333
(33) Name of priority country	:Denmark	MÜNCHEN, GERMANY
(86) International Application No	:PCT/EP2010/006267	(72) <b>Name of Inventor :</b>
Filing Date	:13/10/2010	<b>1)HOLZAPFEL, MICHAEL</b>
(87) International Publication No	:WO 2011/045050	<b>2)WENDRICH, GENOVEFA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)BUSL, STEFANIE</b>
Filing Date	:NA	<b>4)NUSPL, GERHARD</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for producing lithium aluminium titanium phosphates of the general formula  $\text{Li}_{1+x}\text{Ti}_{2-x}\text{Al}_x(\text{PO}_4)_3$ , wherein  $x$  is  $\leq 0.4$ , as well as their use as solid electrolytes in secondary lithium ion batteries.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.901/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MULTI-CHAMBER BAG

(51) International classification	:A61M 1/16
(31) Priority Document No	:10 2009 058 445.5-23
(32) Priority Date	:16/12/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/069795
Filing Date	:15/12/2010
(87) International Publication No	:WO 2011/073274
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)MATTHIAS BRANDL  
2)PHILIPPE LAFFAY  
3)MICHAEL HERRENBAUER  
4)THOMAS FICHERT  
5)FRANZ KUGELMANN  
6)JÖRN HÖRMANN**

---

(57) Abstract :

The present invention relates to a method of dissolving/mixing of a concentrate in/with a fluid in a multi-chamber bag and to a method for the production of a medical fluid, in particular a dialysis fluid, in a multi-chamber bag. Moreover, the present invention relates to a multi-chamber bag itself. In all embodiments at least two different concentrates can be included separately in powder form, liquid form or semi-liquid slurry form for dissolution in a fluid in the multi-chamber bag. The present invention also relates to the use of the multi-chamber bag in haemodialysis or peritoneal dialysis or a haemodialysis or peritoneal dialysis device, in particular as a container for a dialysis fluid in a haemodialysis or peritoneal dialysis device.

No. of Pages : 65 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.908/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : HEAT ENGINE AND HEAT TO ELECTRICITY SYSTEMS AND METHODS

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(51) International classification	:F02G 5/00
(31) Priority Document No	:61/243,200
(32) Priority Date	:17/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049042
Filing Date	:16/09/2010
(87) International Publication No	:WO 2011/034984
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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2)HOSTLER, STEPHEN

3)MILLER, JASON, D.

4)HUME, BRIAN, F.

---

(57) Abstract :

A waste heat recovery system, method and device executes a thermodynamic cycle using a working fluid in a working fluid circuit which has a high pressure side and a low pressure side. Components of the system in the working fluid circuit include a waste heat exchanger in thermal communication with a waste heat source also connected to the working fluid circuit, whereby thermal energy is transferred from the waste heat source to the working fluid in the working fluid circuit expander located between the high pressure side and the low pressure side of the working fluid circuit, the expander operative to convert a pressure/enthalpy drop in the working fluid to mechanical energy, and a mass management having a working fluid vessel connected to the low pressure side of the working fluid circuit to control an amount of working fluid mass in the working fluid circuit.

No. of Pages : 59 No. of Claims : 209

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.914/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TURBINE BLADE OR COMPRESSOR BLADE

(51) International classification	:F01D 5/28
(31) Priority Document No	:09014381.9
(32) Priority Date	:17/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/067581
Filing Date	:16/11/2010
(87) International Publication No	:WO 2011/061192
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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- 2)LINK, MARCO**
- 3)MATTHIAS, TORSTEN**
- 4)MITTELBACH, MARC**
- 5)MORTHORST, MARION**
- 6)ROLLMANN, MICHAEL**
- 7)SAATHOFF, HORST**
- 8)WIGGER, HUBERTUS, MICHAEL**

**(57) Abstract :**

The invention relates to a blade for a turbine or a compressor, at least partially made of fiber-reinforced plastic, in particular carbon fiber reinforced plastic, being particularly durable under operating conditions. According to the invention, the blade (4) comprises a blade body (5) and a blade root (6). The blade body (5) is substantially made of a folded fabric web (7) made of fiber reinforced plastic, wherein a retaining loop (9) is formed in the area of the fold (8), and wherein a blade surface (11) is formed from the overlapping web ends (10). The blade root comprises a longitudinal beam (20) and at least two holders (25) for anchoring the blade (4) in a corresponding groove (3) of a rotor (2), said holders being preferably each fixedly connected to said beam at both ends. The blade body (5) is suspended on the beam (20) by means of the retaining loop (9).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2012

(21) Application No.891/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CLOTHES IRON STORAGE CASE

(51) International classification	:D06F 79/00
(31) Priority Document No	:2009-291723
(32) Priority Date	:24/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/007328
Filing Date	:17/12/2010
(87) International Publication No	:WO 2011/077680
(61) 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**

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(72)Name of Inventor :

**1)YASUHARU OTSUKA**

**2)HIROSHI FIJIMOTO**

**3)KIICHI SHIMOSAKA**

**4)TOYOHIKO YAGI**

(57) Abstract :

An iron case includes: a table where an iron is placed; a receiving case that surrounds the iron and has a lower opening that is closed by the table; and a locking mechanism that detachably combines the table with the receiving case, in which the locking mechanism includes: a locking portion formed on the sides of the table; a locking body formed at the receiving case and engaged with the locking portion; an operating button disposed to be movable outwardly on the outer surface of the receiving case and operating the locking body; and a locking spring disposed in the receiving case and biasing the operating button to the table. Therefore, malfunction of the locking mechanism is prevented while usability when the receiving case is separated is improved.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2012

(21) Application No.898/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ANTIMICROBIAL COMPOUNDS AND METHODS OF MAKING AND USING THE SAME

(51) International classification	:C07D 487/04
(31) Priority Document No	:61/252,478
(32) Priority Date	:16/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/052922 :15/10/2010
(87) International Publication No	:WO 2011/047319
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

- 1)DUFFY, ERIN,M.**
- 2)BHATTACHARJEE,ASHOKE**
- 3) O'DOWD,HARDWIN**
- 4)DEVIVO,MARCO**
- 5) KANYO,ZOLTAN,F.**
- 6)MARTINOW, JACEK, G.**
- 7) PAIK, IK-HYEON**
- 8) SCHEIDEMAN, MATTHEW,H.**
- 9) SINISHTAJ, SANDRA**
- 10)WIMBERLY,BRIAN, T.**
- 11) WU, YUSHENG**

**(57) Abstract :**

The present invention relates generally to the field of antimicrobial compounds and to methods of making and using them. These compounds are useful for treating, preventing, and reducing the risk of microbial infections in humans and animals.

No. of Pages : 354 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.904/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : CLINCH PIN FASTENER

(51) International classification	:B21D 39/00
(31) Priority Document No	:61/254,467
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033988
Filing Date	:07/05/2010
(87) International Publication No	:WO 2011/049643
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)PEM MANAGEMENT, INC.**

Address of Applicant :103 FOULK ROAD, SUITE 308,  
WILMINGTON, DELAWARE 19803, UNITED STATES OF  
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(72)Name of Inventor :

**1)MALONEY, MICHAEL**

(57) Abstract :

A clinch-type fastener is formed by simultaneously creating an undercut during the same forging that creates the head and displacer of the fastener. A fastener blank is compressed end- to-end between top and bottom dies whereby the axial compression of a blank causes the outward bulging of the shank at its midline. Simultaneously, a tapered end point and a tangential interference band are formed provided by a curvilinear-shaped bulge in the shank. As the bulge is formed an undercut is created between the bulge and a shoulder which extends downwardly from a head of the fastener. This method of formation and the fastener produced thereby are particularly suited to the manufacture of small clinch pins having a diameter in the range of 1.0 mm.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.905/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : FOSSIL-FUELED POWER STATION COMPRISING A CARBON DIOXIDE SEPARATION DEVICE AND METHOD FOR OPERATING A FOSSIL-FUELED

(51) International classification	:F01K 7/22	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:102009051608.5	<b>1)SIEMENS AKTIENGESELLSCHAFT</b> Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(32) Priority Date	:02/11/2009	MÜNCHEN GERMANY
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/066507	<b>1)GRUMANN, ULRICH</b> <b>2)KEYSER, JENS</b> <b>3)MUCH, ULRICH</b> <b>4)PICKARD, ANDREAS</b> <b>5)ROST, MIKE</b>
Filing Date	:29/10/2010	
(87) International Publication No	:WO 2011/051468	
(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 fossil-fueled power station (1) comprising a steam turbine (2), a steam generator (4) mounted downstream of the steam turbine (2) via a steam return line (3) and a carbon dioxide separation device (5). According to the invention, the carbon dioxide separation device (5) is connected to the steam return line (3) via a process steam line (6), a backpressure steam turbine (7) being mounted into the process steam line (6).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.910/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ANTIBODIES THAT SPECIFICALLY BIND TO THE EPHA2 RECEPTOR

(51) International classification	:C07K 16/28
(31) Priority Document No	:09305938.4
(32) Priority Date	:02/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/054422
Filing Date	:30/09/2010
(87) International Publication No	:WO 2011/039724
(61) 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

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(72)Name of Inventor :

1)BOUCHARD, HERVÉ  
2)COMMERCON, ALAIN  
3)FROMOND, CLAUDIA  
4)MIKOL, VINCENT  
5)PARKER, FABIENNE  
6)SASSOON, INGRID  
7)TAVARES, DANIEL

---

(57) Abstract :

The present disclosure relates to an antibody or an epitope-binding fragment thereof that specifically binds to an EphA2 receptor. It further relates to a conjugate comprising a cytotoxic agent which is covalently bound to the antibody and a method for preparing such a conjugate.

No. of Pages : 152 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.916/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : WIND POWER GENERATOR WITH INTERNAL COOLING CIRCUIT

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(51) International classification	:H02K 1/30
(31) Priority Document No	:102009051651.4
(32) Priority Date	:02/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/066068
Filing Date	:25/10/2010
(87) International Publication No	:WO 2011/051228
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BALZER, CHRISTOPH**

**2)BRACH, KARSTEN**

**3)MEYER, CHRISTIAN**

**4)MÖHLE, AXEL**

**5)SCHLAWITZ, ANDRE**

**6)SEIBICKE, FRANK**

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(57) Abstract :

The invention relates to a wind power generator (1) with a closed internal cooling circuit and having a stator (4) that is implemented as sheet metal and comprises a winding system which forms winding heads (10) at the end faces of the stator, wherein the stator (4) is enclosed by a cooling jacket (3) at least in the region of the laminated core, wherein permanent magnets (18) of a rotor (5) are disposed on a magnet wheel jacket (6) embodied as a hollow shaft, wherein the magnet wheel jacket (6) is connected in a rotationally fixed manner to a shaft (7) or shaft stubs by way of support elements (28) at its end faces, wherein in its interior the hollow shaft has at least one tube (29,33) whose lateral surface area runs at an equidistant clearance from the magnet wheel jacket (6), and wherein blowers (24,25) are mounted at the end faces of the rotor (5).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.919/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : ENGINEERED CROSS-LINKED THERMOPLASTIC PARTICLES INTERLAMINAR TOUGHENING

(51) International classification	:B32B 25/02
(31) Priority Document No	:61/287,337
(32) Priority Date	:17/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036306
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/138662
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)WEI, YI**

**2)BAIDAK, ALEXANDRE, A**

**3)SENGER, JAMES**

---

(57) Abstract :

Thermoplastic polymer particles directly cross-linked together or cross-linked via a separate and independent polymer network to form an inter-penetrating network are disclosed herein, along with methods of manufacturing and use as interleaf tougheners of pre-pregs and composite articles.

No. of Pages : 60 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.923/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : AUDIO SIGNAL ENCODER, AUDIO SIGNAL DECODER, METHOD FOR ENCODING OR DECODING AN AUDIO SIGNAL USING AN ALIASING CANCELLATION

(51) International classification	:G01L 19/14
(31) Priority Document No	:61/253,468
(32) Priority Date	:20/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/065752
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/048117
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

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**3)KONINKLIJKE PHILIPS ELECTRONICS N.V**

**4)DOLBY INTERNATIONAL AB**

**(72)Name of Inventor :**

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**2)NEUENDORF, MAX**

**3)GEIGER, RALF**

**4)GOURNAY, PHILIPPE**

**5)LEFEBVRE, ROCH**

**6)GRILL, BERNHARD**

**7)LECOMTE, JÉRÉMIE**

**8)BAYER, STEFAN**

**9)RETTELBACH, NIKOLAUS**

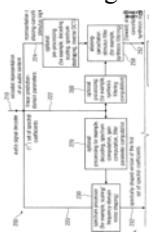
**10)VILLEMOES, LARS**

**11)SALAMI, REDWAN**

**12)DEN BRINKER, ALBERTUS C.**

**(57) Abstract :**

An audio signal decoder (200) for providing a decoded representation (212) of an audio content on the basis of an encoded representation (310) of the audio content comprises a transform domain path (230, 240, 242, 250, 260) configured to obtain a time-domain representation (212) of a portion of the audio content encoded in a transform-domain mode on the basis of a first set (220) of spectral coefficients, a representation (224) of an aliasing-cancellation stimulus signal and a plurality of linear-prediction-domain parameters (222). The transform domain path comprises a spectrum processor (230) configured to apply a spectrum shaping to the first set of spectral coefficients in dependence on at least a subset of the linear-prediction-domain parameters, to obtain a spectrally-shaped version (232) of the first set of spectral coefficients. The transform domain path comprises a first frequency-domain-to-time-domain converter (240) configured to obtain a time-domain representation of the audio content on the basis of the spectrally-shaped version of the first set of spectral coefficients. The transform domain path comprises an aliasing-cancellation stimulus filter configured to filter (250) the aliasing-cancellation stimulus signal (324) in dependence on at least a subset of the linear-prediction-domain parameters (222), to derive an aliasing-cancellation synthesis signal (252) from the aliasing-cancellation stimulus signal. The transform domain path also comprises a combiner (260) configured to combine the time-domain representation (242) of the audio content with the aliasing-cancellation synthesis signal (252), or a post-processed version thereof, to obtain an aliasing reduced time-domain signal.



No. of Pages : 115 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.924/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : AIR CONDITIONER

(51) International classification	:F24F 13/20
(31) Priority Document No	:2009-253248
(32) Priority Date	:04/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069419
Filing Date	:01/11/2010
(87) International Publication No	:WO 2011/055704
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)YOHEI TAKADA**

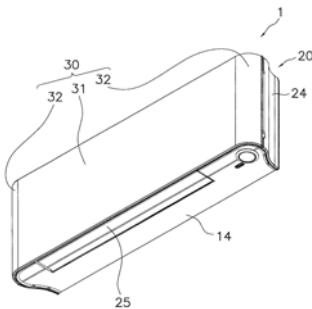
**2)JUNICHI NAKANISHI**

**3)KOUICHI MINAKUCHI**

**4)TETSUJI INOUE**

(57) Abstract :

An indoor unit (1) of an air conditioner comprises a main body (20) and a movable panel (30). A second intake port (18b) and a first open part (19a) of a discharge port (19) are formed in a front surface of the main body (20). The movable panel (30) has a front surface panel part (31) and a side surface panel part (32). The front surface panel part (31) is positioned in front of the main body (20). The side surface panel part (32) is formed continuing rearward from both ends of the front surface panel part (31). When operation has stopped, the movable panel (30) assumes an operation-stopped state in which the front surface panel part (31) is disposed so as to cover the second intake port (18b) and the first open part (19a) of the discharge port (19).



No. of Pages : 92 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.937/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : APPARATUS FOR PROVIDING AN UPMIX SIGNAL REPRESENTATION ON THE BASIS OF A DOWNMIX SIGNAL REPRESENTATION, APPARATUS FOR PROVIDING A BITSTREAM REPRESENTING A MULTI-CHANNEL AUDIO SIGNAL, METHODS, COMPUTER PROGRAM AND BITSTREAM USING A DISTORTION CONTROL SIGNALING

(51) International classification	:G10L 19/00
(31) Priority Document No	:61/253,237
(32) Priority Date	:20/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2010/065671 :19/10/2010
(87) International Publication No	:WO 2011/048067
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

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2)**HEIKO PURNHAGEN**

3)**JUERGEN HERRE**

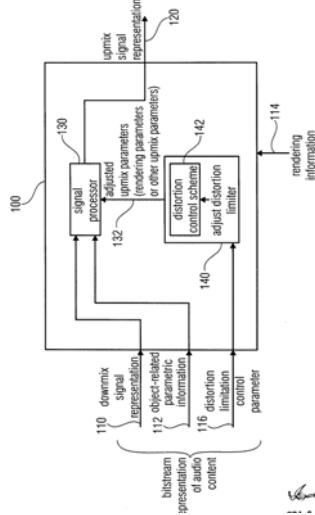
4)**LEON TERENTIV**

5)**CORNELIA FALCH**

6)**OLIVER HELLMUTH**

(57) Abstract :

An apparatus for providing an upmix signal representation on the basis of a downmix signal representation and an object-related parametric information, which are included in a bitstream representation of an audio content, and in dependence on a rendering information, comprises a distortion limiter configured to adjust upmix parameters using a distortion control scheme to avoid or limit audible distortions which are caused by an inappropriate choice of rendering parameters. The distortion limiter is configured to obtain a distortion limitation control parameter, which is included in the bitstream representation of the audio content, and to adjust a distortion control scheme in dependence on the distortion limitation control parameter.



No. of Pages : 55 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.906/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : SILICON NITRIDE BASED CRUCIBLE

(51) International classification	:C30B 11/00
(31) Priority Document No	:2009 3584
(32) Priority Date	:22/12/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000483
Filing Date	:22/12/2010
(87) International Publication No	:WO 2011/078693
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)SØRHEIM, HÅVARD  
2)SOLHEIM, ARVE  
3)VAN DE SCHOTBRUGGE, EGBERT

---

(57) Abstract :

The present invention relates to a reusable silicon nitride containing crucible comprising at least one of the following: a boron(B) or a boron containing compound in an concentration of <19 ppmw and further a phosphorous (P) or a phosphorous containing compound in a concentration of <3.7 ppmw, and the use of this crucible for crystallizing silicon.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.907/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : CLONING AND EXPLOITATION OF A FUNCTIONAL R-GENE FROM SOLANUM CHACOENSE

(51) International classification	:C07K 14/415
(31) Priority Document No	:09170769.5
(32) Priority Date	:18/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/NL2010/050612
Filing Date	:20/09/2010
(87) International Publication No	:WO 2011/034433
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)VOSSEN, JACOBUS HUBERTUS

2)NIJENHUIS, MAARTEN

3)ARENSDE REUVER, MARION JOHANNA BARBARA

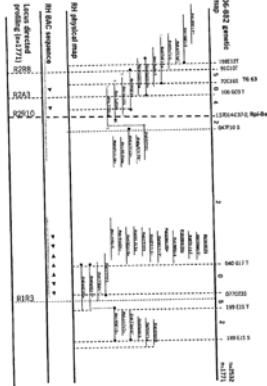
4)VAN DER VOSSEN, EDWIN ANDRIES GERARD

5)JACOBSEN, EVERET

6)VISSER, RICHARD GERARDUS FRANCISCUS

(57) Abstract :

The invention relates to a resistance gene and functional homologues or fragments thereof isolated from S. chacoense, S. berthaultii, S. sucrense or S. tarijense. More over, the invention relates to the use of said resistance gene, for example the use of said resistance gene in a method to increase or confer at least partial resistance in a plant to an oomycete infection. The invention provides an isolated or recombinant nucleic acid sequence comprising a nucleic acid sequence encoding one of the amino acid sequences of Figure 4 or a functional fragment or a functional homologue thereof such as those presented in Fig. 13.



No. of Pages : 521 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.928/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : WASTE HEAT RECOVERY SYSTEM

(51) International classification	:F01K 23/10
(31) Priority Document No	:61/244,106
(32) Priority Date	:21/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049194
Filing Date	:16/09/2010
(87) International Publication No	:WO 2011/035073
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CLEAN ROLLING POWER, LLC

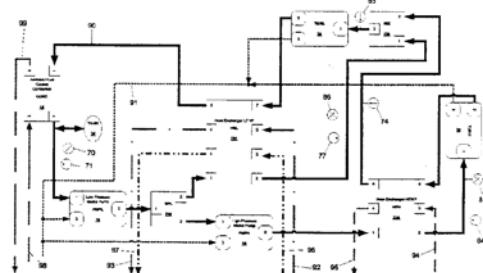
Address of Applicant :300 EAST LIBERTY, LOWER LEVEL  
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(72)Name of Inventor :

1)COOK, DAVID

(57) Abstract :

To mitigate the potential significant impact on our society due to the continued reliance on high-cost diesel hydrocarbon fuel and the implementation of increasingly strict emission controls, an apparatus is disclosed which provides the means for extracting additional heat from an internal combustion engine while providing the cooling needed to meet stricter emissions standards. The present disclosure describes an apparatus operating on a Rankine cycle for recovering waste heat energy from an internal combustion engine, the apparatus including a closed loop for a working fluid with a single shared low pressure condenser serving a pair of independent high pressure circuits each containing zero or more controlled or passive fluid splitters and mixers, one or more pressure pumps, one or more heat exchangers, and one or more expanders, and the means for controlling said apparatus.



No. of Pages : 64 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.929/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : MOBILE DIESEL POWER SYSTEM WITH SEPARATED ENGINE AND EXHAUST

(51) International classification	:F02G 5/02
(31) Priority Document No	:61/244,551
(32) Priority Date	:22/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049197
Filing Date	:16/09/2010
(87) International Publication No	:WO 2011/037824
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CLEAN ROLLING POWER, LLC

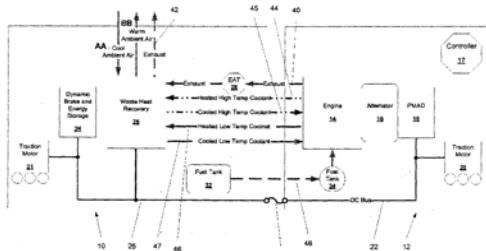
Address of Applicant :300 EAST LIBERTY, LOWER LEVEL ANN ARBOR, MICHIGAN 48104 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)COOK, DAVID

(57) Abstract :

According to the present disclosure, a train comprising one or more locomotives coupled to one or more tenders, which contain at least one of an exhaust after-treatment or a waste heat recovery system and optionally one or more other locomotive subsystems, such as dynamic braking, energy storage, driven wheels, and fuel storage, is provided. Accordingly, the present disclosure may have one or more of the following advantages: a tender to house an exhaust after-treatment system thereby easing space constraints on the locomotive power traction car. Additionally, said tender may include a large fuel tank, waste heat recovery system, and energy storage, thereby providing the means to substantially decrease fuel consumption or increase power, both with the option of switching to a different fuel source.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.939/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : TRANSFER STATION

(51) International classification	:E21F 13/06
(31) Priority Document No	:202009013727.9
(32) Priority Date	:13/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/IB2010/055026
Filing Date	:05/11/2010
(87) International Publication No	:WO 2011/058485
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BUCYRUS EUROPE GMBH**

Address of Applicant :INDUSTRIESTRASSE 1, D-44534  
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(72)Name of Inventor :

**1)KLABISCH, ADAM**

**2)SIEPENKORT, GERHARD**

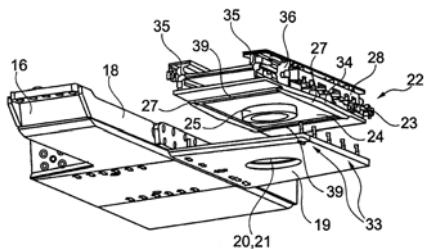
**3)HESSE, NORBERT**

**4)DUHNKE, KLAUS**

**5)BETTERMANN, DIEDRICH**

(57) Abstract :

In the transfer station (10) according to the invention in the face end region between a face conveyor (12) and a gate conveyor (13) in the region of a drive (17) for the face conveyor, the gate conveyor being attached to the face conveyor such that it can be moved pivotably to a limited extent relative to the latter, it is provided according to the invention that a receiving plate (19) is arranged on a subframe (16) of the drive (17) for the face conveyor, which receiving plate (19) is provided with a bearing seat (21), in which a specific connection pan element (22) of the gate conveyor (13) is mounted such that it can be moved pivotably relative to the face conveyor (12) or its drive (17) about a pivot axis (26) which is defined by the bearing seat (21). The construction has the particular advantage that the pivoting bearing is readily accessible and has to transmit only low forces which result substantially from the loading of the gate conveyor.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.915/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : FOSSIL-FUELED POWER STATION COMPRISING A CARBON DIOXIDE SEPARATION DEVICE AND METHOD FOR OPERATING A FOSSIL-FUELED POWER STATION

(51) International classification	:F01D15/10
(31) Priority Document No	:102009051640.9
(32) Priority Date	:02/11/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2010/066518 :29/10/2010
(87) International Publication No	:WO 2011/051473
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :WITTELSBACHERPLATZ 2 80333  
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(72)Name of Inventor :

1)GRUMANN, ULRICH

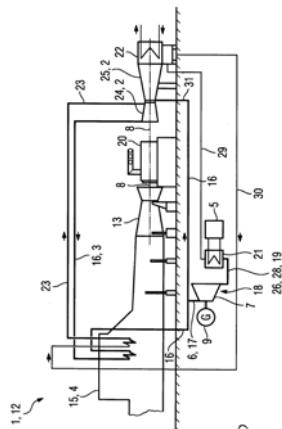
2)MUCH, ULRICH

3)PICKARD, ANDREAS

4)ROST, MIKE

(57) Abstract :

The invention relates to a fossil-fueled power station (1) comprising a steam generator (4), a steam turbine (2) mounted downstream of the steam generator (4) via a hot intermediate superheater line (17) and a carbon dioxide separation device (5). According to the invention, the carbon dioxide separation device (5) is connected to the hot intermediate superheater line (17) via a process steam line (6), a backpressure steam turbine (7) being mounted into the process steam line (6).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.930/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : EMBOSSSED FLUID FILTER ELEMENT

(51) International classification	:B01D 29/21
(31) Priority Document No	:61/252,832
(32) Priority Date	:19/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053153
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/049926
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LPD TECHNOLOGIES, INC.

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DELRAY BEACH, FL 33445 UNITED STATES OF AMERICA

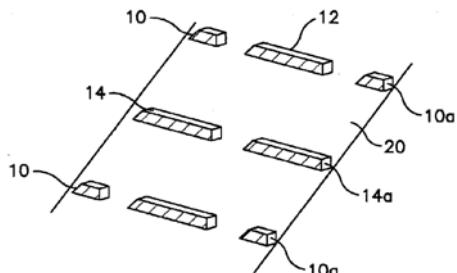
(72)Name of Inventor :

1)TER HORST, DIRK

2)LIPPOLD, HANS-JOACHIM

(57) Abstract :

A fluid filter element comprising: an embossed flat filter material which is folded so as to define a plurality of substantially adjacent walls, each wall defining a planar surface between two adjacent fold lines, said wall having an embossing comprising: a first embossing row having a centrally located elongated positive embossment and a distal embossment at each end of the positive elongated embossment, wherein at least one distal embossment is negative; and, a second embossing row spaced from and parallel to the first embossing row, the second embossing row having two elongated embossments, wherein one elongated embossment is negative and one is positive. A method regarding the making of the same.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.936/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY AUDIO SIGNAL USING ADAPTIVE OVERSAMPLING

(51) International classification	:G10L 21/02
(31) Priority Document No	:61/253,776
(32) Priority Date	:21/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2010/057130 :25/05/2010
(87) International Publication No	:WO 2011/047886
(61) 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

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2)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG  
DER ANGEWANDTEN FORSCHUNG E.V.

(72)Name of Inventor :

1)LARS VILLEMOES

2)EKSTRAND, PER

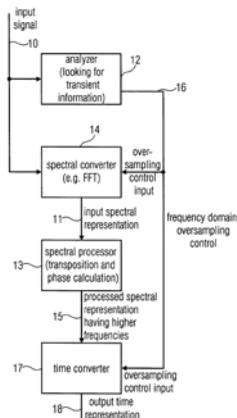
3)DISCH, SASCHA

4)NAGEL, FREDERIK

5)WILDE, STEPHAN

(57) Abstract :

An apparatus for generating a high frequency audio signal that comprises an analyzer (12) for analyzing an input signal to determine a transient information adaptively. Additionally a spectral converter (14) is provided for converting the input signal into an input spectral representation. A spectral processor (13) processes the input spectral representation to generate a processed spectral representation comprising values for higher frequencies than the input spectral representation. A time converter (17) is configured for converting the processed spectral representation to a time representation, wherein the spectral converter or the time converter are controllable to perform a frequency domain oversampling for the first portion of the input signal having the transient information associated and to not perform the frequency domain oversampling for the second portion of the input signal not having the associated transient information.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.941/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HIGH-PERFORMANCE TURBINE WITH INCREASED SPECIFIC POWER

(51) International classification	:F01D 1/14
(31) Priority Document No	:MI2009A001997
(32) Priority Date	:13/11/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2010/066624
Filing Date	:02/11/2010
(87) International Publication No	:WO 2011/057915
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GIANCARLO ALFONSI

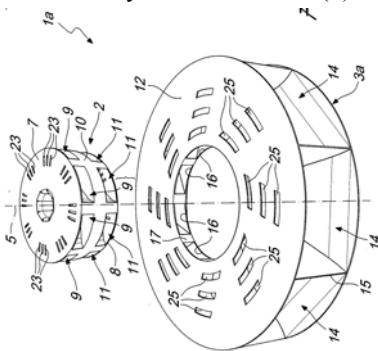
Address of Applicant :VIA VITALI, 2, I-20122 MILANO,  
ITALY

(72)Name of Inventor :

1)GIANCARLO ALFONSI

(57) Abstract :

A high-performance turbine (1a, 1b), particularly with increased specific power, comprising a rotor (2) and a distribution apparatus (3a, 3b) which is adapted to convey a fluid stream (4) onto the elements of the rotor (2) for the rotation of the rotor (2) about its own rotation axis (5). More precisely, the rotor (2) comprises a plurality of thrust ducts (6) adapted to receive the fluid stream (4) conveyed by the distribution apparatus (3a, 3b) to generate a rotary thrust on the surrounding walls of the thrust ducts (6). The particularity of the invention resides in that it comprises at least one slot (23, 24, 25, 26), which is formed on the walls of the thrust ducts (6) and/or of the distribution apparatus (3a, 3b) and is adapted to connect the fluid stream (4) to the outside environment of the turbine (1a, 1b). At least one of the thrust ducts (6) and the distribution apparatus (3a, 3b) crossed by the fluid stream (4) comprises at least one portion that converges in the direction in which the fluid stream (4) travels, which is defined upstream of the slot (23,24,25,26) in the direction of travel of the fluid stream (4) for the at least local lowering of the pressure inside the thrust ducts (6) and/or the distribution apparatus (3a, 3b), which are crossed by the fluid stream (4), below the value of the pressure of the filling fluid (22) of the outside environment, with consequent suction of the filling fluid (22) into the thrust ducts (6) and/or the distribution apparatus (3a, 3b) which are crossed by the fluid stream (4).



No. of Pages : 59 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.938/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TRANSPORT AND PRESENTATION BOX

(51) International classification	:B65D 1/24
(31) Priority Document No	:1656/09
(32) Priority Date	:28/10/2009
(33) Name of priority country	:Switzerland
(86) International Application No	:PCT/EP2009/008164
Filing Date	:17/11/2009
(87) International Publication No	:WO 2011/050828
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)IFCO SYSTEMS GMBH

Address of Applicant :ZUGSPITZSTRASSE 7, 82049  
PULLACH GERMANY

(72)Name of Inventor :

1)ORGELDINGER, WOLFGANG

2)DELBROUCK, KLAUS

(57) Abstract :

A box (10) comprises a floor (12) and at least two pairs of respectively opposing side walls (14a, 14b, 16a, 16b), wherein a first one of the side walls (16b) extends from the floor towards the top in a vertical direction (18) at least partly by only a removal height (20), that is lower than the height of one or several of the other side walls (14a, 14b, 16a) in order to define a lateral opening having a dimension allowing access to and removal of products contained in the box (10) through the lateral opening.

No. of Pages : 29 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.943/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PROCESS FOR THE PURIFICATION OF RECOMBINANT HUMAN ERYTHROPOIETIN (EPO), EPO THUS PURIFIED AND PHARMACEUTICAL COMPOSITIONS COMPRISING SAME

(51) International classification	:C07K 14/505
(31) Priority Document No	:09 012 120.3
(32) Priority Date	:23/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/005839
Filing Date	:23/09/2010
(87) International Publication No	:WO 2011/035914
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BIOGENERIX AG

Address of Applicant :GRAF-ARCO-STR. 3 89079 ULM  
GERMANY

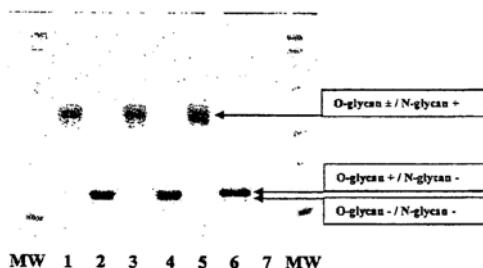
(72)Name of Inventor :

1)HINDERER, WALTER

2)ARNOLD, STEFAN

(57) Abstract :

A procedure for the production of erythropoietin (EPO), in particular recombinant human EPO (rhEPO) with a defined composition of glycoforms in a highly pure form, i.e., with a high amount of O-glycosylated EPO isoforms is provided.



No. of Pages : 43 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.944/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT OF THYROID CANCER

(51) International classification	:C12Q 1/68
(31) Priority Document No	:61/244,173
(32) Priority Date	:21/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001503
Filing Date	:21/09/2010
(87) International Publication No	:WO 2011/032296
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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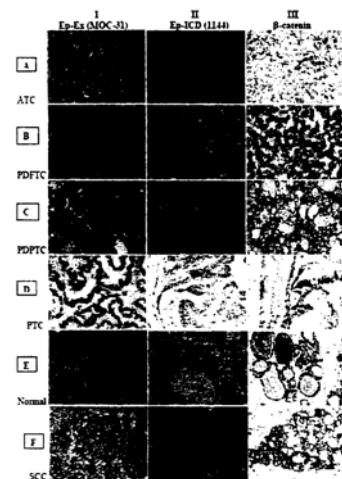
(72)**Name of Inventor :**

**1)WALFISH, PAUL**

**2)RALHAN, RANJU**

(57) Abstract :

Methods for detecting, diagnosing and monitoring thyroid cancer in a subject are described comprising measuring in a sample from the subject markers including Ep-ICD and  $\beta$ -catenin. The invention also provides kits and compositions for carrying out the methods of the invention.



No. of Pages : 133 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.951/KOLNP/2012 A

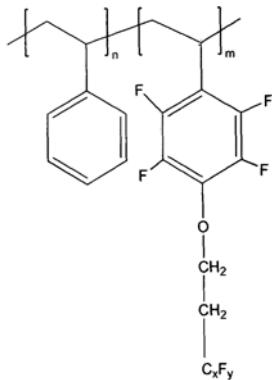
(43) Publication Date : 08/02/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF AN UNSUPPORTED, SOLID METALLOCENE CATALYST SYSTEM AND ITS USE IN POLYMERIZATION OF OLEFINS

(51) International classification	:C08F 10/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09178177.3	<b>1)BOREALIS AG</b>
(32) Priority Date	:07/12/2009	Address of Applicant :IZD TOWER WAGRAMERSTRAE
(33) Name of priority country	:EPO	17-19 A - 1220 VIENNA, AUSTRIA
(86) International Application No	:PCT/EP2010/068783	(72) <b>Name of Inventor :</b>
Filing Date	:03/12/2010	<b>1)RONAN, NICOLAS</b>
(87) International Publication No	:WO 2011/069888	<b>2)DENIFL, PETER</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Process for the preparation of an unsupported, heterogeneous olefin polymerization catalyst system, comprising an organometallic compound of a transition metal of Group 3 to 10 of the Periodic Table (IUPAC 2007) in the form of solid particles comprising the steps of a) preparing a solution (A) comprising a1) an organometallic compound of a transition metal of Group 3 to 10 of the Periodic Table (IUPAC 2007) or of an actinide or lanthanide, a2) a cocatalyst comprising an element of group 13 of the Periodic Table (IUPAC 2007) and a3) a solvent (A-1), b) preparing a liquid/liquid emulsion system by dispersing the solution (A) in a solvent (B) essentially immiscible with said solution (A) in the presence of a polystyrene-b-fluoro polystyrene copolymer of the formula (I) in which n is a number from 10 to 100, m is a number from 1 to 40, x is a number from 5 to 16, y is a number from 11 to 33, provided that m, n, x and y are selected in a way that the block copolymer is soluble in the solvent B or the solution A in such an extent that a stable emulsion is formed by adding the block copolymer, b1) the solvent (B) constitutes the continuous phase of the emulsion, b2) the solution (A) constitutes in the form of droplets the dispersed phase and b3) the organometallic compound and the cocatalyst are present in the droplets, c) solidifying said dispersed phase to convert said droplets to solid particles and optionally recovering said particles to obtain said catalyst system; an unsupported, heterogeneous olefin polymerization catalyst, obtainable by the process and the use of the catalyst in olefin polymerization.



No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.952/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PHASE-PURE LITHIUM ALUMINIUM TITANIUM PHOSPHATE AND METHOD FOR ITS PRODUCTION AND ITS USE

(51) International classification	:C01B 25/45	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 049 693.9	<b>1)SÜD-CHEMIE AG</b>
(32) Priority Date	:16/10/2009	Address of Applicant :LENBACHPLATZ 6, 80333
(33) Name of priority country	:Germany	MÜNCHEN, GERMANY
(86) International Application No	:PCT/EP2010/006300	(72) <b>Name of Inventor :</b>
Filing Date	:14/10/2010	<b>1)HOLZAPFEL, MICHAEL</b>
(87) International Publication No	:WO 2011/045067	<b>2)EISGRUBER, MAX</b>
(61) Patent of Addition to Application Number	:NA	<b>3)NUSPL, GERHARD</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for producing lithium aluminium titanium phosphates of the general formula  $\text{Li}_{1+x}\text{Ti}_2\text{-XAlX;P04}3$ , wherein  $x$  is  $\leq 0.4$ , a method for their production as well as their use as solid-state electrolytes in lithium ion accumulators.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.917/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : TURBOCHARGER

(51) International classification	:F02B 37/22
(31) Priority Document No	:102009056049.1
(32) Priority Date	:27/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/US2010/056774
Filing Date	:16/11/2010
(87) International Publication No	:WO 2011/066130
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)RAMB, THOMAS**

**2)METZ, DIETMAR**

(57) Abstract :

The invention relates to a turbocharger (1) with variable turbine geometry (VTG), having a turbine housing (2) with a supply duct (9) for exhaust gases, having a turbine rotor (4) which is rotatably mounted in the turbine housing (2); and having a guide grate (18), which surrounds the turbine rotor (4) radially at the outside, which has a blade bearing ring (6), which has a multiplicity of guide blades (7) which have in each case one blade shaft (8) mounted in the blade bearing ring (6), which has an adjusting ring (5) which is operatively connected to the guide blades (7) by means of associated blade levers (20) fastened to the blade shafts (8) at one of their ends, with each blade lever (20) having, at the other end, a lever head (23) which can be placed in engagement with an associated engagement recess (24) of the adjusting ring (5), and which has a bearing arrangement (28) for fixing the adjusting ring (5) to the blade bearing ring (6), wherein the bearing arrangement (28) is formed as a plain bearing arrangement pin.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.927/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : LAYING AND PROTECTING CABLE INTO EXISTING COVERING SURFACES

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(51) International classification	:H02G 1/06
(31) Priority Document No	:61/244,954
(32) Priority Date	:23/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050042
Filing Date	:23/09/2010
(87) International Publication No	:WO 2011/038146
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)QUANTA ASSOCIATES, L.P.**

Address of Applicant :1360 POST OAK BLVD., SUITE 2100,  
HOUSTON, TX 77056 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)MILLER, DANIEL, PAUL**

(57) Abstract :

To construct an underground cable line in-situ, cut and immediately evacuate a void in the existing covering surface. Next, lay or apply cable(s) into the void. Then, flow a non-shrinking composition into a portion of the void around the cable to fill a portion of the void. Upon rigidification the cable is encased in the void by the non-shrinking composition. Last, apply a topping material to the exposed surface of the composition in such volume as to fill any remaining portion of the void.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.940/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD OF PACKAGING A MEMBRANE FOR USE IN A VENTING VALVE

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(51) International classification	:B60K 15/035
(31) Priority Document No	:12/582,197
(32) Priority Date	:20/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/002669
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/048468
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)EATON CORPORATION**

Address of Applicant :EATON CENTER, 1111 SUPERIOR AVENUE, CLEVELAND, OH 44114-2584, U.S.A.

(72)**Name of Inventor :**

**1)ERDMANN, MATTHEW**

(57) Abstract :

A venting valve (10) comprises a cover (20) including a flow path (26) in fluid communication with an evaporative emissions system (16) and a liquid discriminating and vapor permeable membrane (22) connected to the cover (20). At least a portion of the outer surface of the membrane (22) comprises a plurality of alternating curved crests (30) and valleys (32). In other embodiments, the membrane (48) comprises a first and second layer (50, 52) defining a gap (54) therebetween, wherein at least a portion of the membrane (48) is spirally wound. In other embodiments, the venting valve (10) includes at least one protrusion (62) configured to support and shape the membrane (58), wherein at least a portion of the membrane (58) is curved.

No. of Pages : 26 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.953/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : AEROSOL MANIFOLD AND METHOD OF ITS FABRICATION

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(51) International classification	:B65D 83/16
(31) Priority Document No	:61/247,075
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050866
Filing Date	:30/09/2010
(87) International Publication No	:WO 2011/041514
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)MEADWESTVACO CALMAR, INC.

Address of Applicant :11901 GRANDVIEW ROAD  
GRANDVIEW, MISSOURI 64030, U.S.A.

(72)Name of Inventor :

1)SELL, STEVEN, A.

2)DRISKELL, WILLIAM, L.

3)DEJONG DAVID, L.

(57) Abstract :

An improved manifold for an aerosol system may include a valve interface (120) capable of flexing to fit with a valve stem of an aerosol system and form a seal and methods for making a manifold may include a gate (106) positioned to improve contact between steel defining a fluid flow path in the manifold.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.954/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : BLENDS OF POLYPROPYLENE AND POLYETHYLENE AND METHODS OF FORMING THE SAME

(51) International classification	:C08L 23/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/611,520	<b>1)FINA TECHNOLOGY, INC</b>
(32) Priority Date	:03/11/2009	Address of Applicant :P.O.BOX 674412, HOUSTON TEXAS
(33) Name of priority country	:U.S.A.	77267, U.S.A.
(86) International Application No	:PCT/US2010/055032	(72) <b>Name of Inventor :</b>
Filing Date	:02/11/2010	<b>1)MCLEOD, MICHAEL</b>
(87) International Publication No	:WO 2011/056760	<b>2)NGUYEN, JAY</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ASHBAUGH, JOHN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Polymer blends and methods of forming the same are described herein. The polymer blends generally include a single site transition metal catalyst formed polypropylene, a single site transition metal catalyst formed polyethylene and a polyethylene compatible nucleator.

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.958/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : MOLTEN GLASS DELIVERY AND REFINING SYSTEM

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(51) International classification	:C03B 5/225
(31) Priority Document No	:12/603,184
(32) Priority Date	:21/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053464
Filing Date	:21/10/2010
(87) International Publication No	:WO 2011/050123
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)OCV INTELLECTUAL CAPITAL, LLC**

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AMERICA

(72)**Name of Inventor :**

**1)PURNODE, BRUNO, A.**

**2)TOTH, WILLIAM, W.**

**3)MIGHTON, STEVE**

**4)KADUR, SHIVAKUMAR**

**5)BAKER, DAVID, J.**

---

(57) Abstract :

Methods and apparatus for refining and delivering a supply of molten glass include melting a supply of glass in a melter and discharging a stream of molten glass. A refining section is provided to refine the molten glass discharged by the melter and to deliver the molten glass downstream to a glass forming apparatus. The refining section is mounted for movement into and out of contact with the stream of molten glass to connect and disconnect the glass forming apparatus with the stream of molten glass.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.959/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD FOR PRODUCING CUBIC ZIRCONIA LAYERS

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(51) International classification	:C23C 14/00
(31) Priority Document No	:61/245,750
(32) Priority Date	:25/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/064136
Filing Date	:24/09/2010
(87) International Publication No	:WO 2011/036246
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)OERLIKON TRADING AG, TRUEBBACH**  
Address of Applicant :HAUPTSTRASSE, CH-9477  
TRUEBBACH, SWITZERLAND

(72)Name of Inventor :

**1)RAMM, JÜRGEN**  
**2)WIDRIG, BENO**

(57) Abstract :

In order to produce zirconia-based layers on a deposition substrate, wherein reactive spark deposition using pulsed spark current and/or the application of a magnetic field that is perpendicular to the spark target are employed, a mixed target comprising elemental zircon and at least one stabilizer is used, or a zirconium target comprising elemental zirconium is used, wherein in addition to oxygen, nitrogen is used as the reactive gas. As an alternative, combined with the use of the mixed target, nitrogen can also be used as the reactive gas in addition to oxygen.

No. of Pages : 98 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.965/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : INSPECTION APPARATUS FOR TUBULAR PRODUCT AND INSPECTION METHOD THEREFOR

(51) International classification	:G01B 11/08
(31) Priority Document No	:2009-286554
(32) Priority Date	:17/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/007299
Filing Date	:16/12/2010
(87) International Publication No	:WO 2011/074261
(61) 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 METAL INDUSTRIES, LTD.**

Address of Applicant :5-33, KITAHAMA 4-CHOME, CHUO-KU OSAKA-SHI, OSAKA 541-0041 JAPAN

(72)**Name of Inventor :**

**1)SATOU, KOUHEI**

**2)TOE, HIROTSUGU**

**3)SATSUKI, TAKAFUMI**

---

(57) Abstract :

An inspection apparatus includes: a camera for acquiring an image of the whole area of an end face of the tubular product; a first light source for illuminating an outer peripheral edge of the end face side of the tubular product over the entire circumference thereof; a second light source for illuminating an inner peripheral edge of the end face side of the tubular product over the entire circumference thereof; and a third light source for illuminating an inner peripheral surface of the end face side of the tubular product over the entire circumference thereof, wherein the inspection apparatus acquires an image of the tubular product with the camera while illuminating the tubular product with the first light source and the second light source, and calculates an outer diameter and a wall thickness of the tubular product based on the acquired image, and wherein the inspection apparatus acquires an image of the tubular product with the camera while illuminating the tubular product with the third light source, and detects a surface defect on the inner peripheral surface of the tubular product based on the acquired image. This configuration makes it possible to accurately perform a dimensional inspection of the outer diameter and the wall thickness of the tubular product, and further to perform an inner surface inspection by using the camera while realizing the downsizing of the apparatus.

No. of Pages : 29 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.966/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : METHOD FOR MANUFACTURING A METAL INGOT COMPRISING A BORE, AND ASSOCIATED INGOT AND MOLDING DEVICE

(51) International classification	:B22D 7/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	1)ARCELORMITTAL INVESTIGACION Y DESARROLLO, S.L.
(32) Priority Date	:NA	Address of Applicant :CL/CHAVARRI, 6 SESTAO, E-48910 BIZKAIA SPAIN
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2009/052014	1)FAUDAN, THIERRY
Filing Date	:21/10/2009	2)DABIN, JEAN-LUC
(87) International Publication No	:WO 2011/048279	3)LACAGNE, GILBERT
(61) Patent of Addition to Application Number	:NA	4)LEROY, MAXIME
Filing Date	:NA	5)SAVALLI, BRUNO
(62) Divisional to Application Number	:NA	6)BRACONNIER, FRANCK
Filing Date	:NA	

(57) Abstract :

In said method, the mold (1), which includes a mold cavity (3A) defined by an ingot mold (2), a core (4) and a bottom (27), is arranged inside a vacuum-cast enclosure (5) including a means (9) of introducing molten metal at the upper portion thereof. A means (11 A, 11) for receiving and distributing molten metal, which is suitable for receiving the molten steel introduced into the vacuum-cast enclosure (5) and for redistributing the molten metal in the mold cavity (3A), is arranged at the upper portion of the mold cavity (3A). The molten metal is introduced into the enclosure (5) so as to form a first jet of molten steel (50) under a vacuum, in order to pour the molten metal over the receiving and distributing means (11 A, 11) and to form at least one second jet of molten steel (52) under a vacuum, which originates with the receiving and distributing means (11 A, 11) and terminates in the mold cavity (3A) so as to fill the mold cavity (3A) with molten metal.

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.942/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : HYPERBLEBBING SHIGELLA STRAINS

(51) International classification	:C12N 1/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0917002.8	<b>1)NOVARTIS VACCINES INSTITUTE FOR GLOBAL HEALTH SRL</b>
(32) Priority Date	:28/09/2009	Address of Applicant :VIA FIORENTINA 1, 53100 SIENA ITALY
(33) Name of priority country	:U.K.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IB2010/002582	<b>1)GERKE, CHRISTIANE 2)BERLANDA SCORZA, FRANCESCO 3)SAUL, ALLAN 4)MAGGIORE, LUANA</b>
Filing Date	:28/09/2010	
(87) International Publication No	:WO 2011/036564	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Hyperblebbing Shigella strains are generated by disrupting one or more components of the Tol-Pal system. The blebs from these strains are useful immunogens for vaccination. The individual proteins found in these blebs can also be used as immunogens.

No. of Pages : 37 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.950/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : POWER SUPPLY APPARATUS

(51) International classification	:G01R 31/36
(31) Priority Document No	:2009-244963
(32) Priority Date	:23/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2010/002681
Filing Date	:20/10/2010
(87) International Publication No	:WO 2011/048471
(61) 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)HIDEKI TAMURA

(57) Abstract :

A power supply apparatus includes a secondary battery and a timer unit for measuring a time required to charge the secondary battery from a first State Of Charge (SOC) to a second SOC, or a time required to discharge the second battery from the second SOC to the first SOC. The power supply apparatus further includes a determination unit for determining a degraded state of the secondary battery based on results of the measurement by the timer unit.

No. of Pages : 39 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.957/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : METHOD OF OPERATING A CONTROL VALVE ASSEMBLY FOR A HYDRAULIC SYSTEM

(51) International classification	:F15B 15/00
(31) Priority Document No	:12/603,586
(32) Priority Date	:22/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053691
Filing Date	:22/10/2010
(87) International Publication No	:WO 2011/050246
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)EATON CORPORATION**

Address of Applicant :EATON CENTER, 1111 SUPERIOR AVENUE, CLEVELAND, OH 44114-2584, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)SCHOTTLER, CHRIS, W**

(57) Abstract :

A method of operating a control valve assembly 26 for a hydraulic system 20 includes detecting the current operation of a first position sensor 44 and a second position sensor 46 to determine if at least one of the first position sensor 44 and the second position sensor 46 is inoperable. A pressure of the fluid at a first work port 36 and a second work port 38 is measured, and one of a first valve 40 and a second valve 42 is actuated when one of the first position sensor 44 and the second position sensor 46 is determined to be inoperable. The first valve 40 is actuated based upon the fluid pressure measured at the second work port 38 to adjust the flow of the fluid through the first work port 36. The second valve 42 is actuated based upon the fluid pressure measured at the first work port 36 to adjust the flow of the fluid through the second work port 38.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.963/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : PROCESSES FOR MAKING ETHYL ACETATE FROM ACETIC ACID

(51) International classification	:B01J 21/16
(31) Priority Document No	:12/588,727
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022949
Filing Date	:02/02/2010
(87) International Publication No	:WO 2011/053366
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

- 1)JOHNSTON, VICTOR, J.**
- 2)CHEN, LAIYUAN**
- 3)KIMMICH, BARBARA, F.**
- 4)CHAPMAN, JOSEFINA, T.**
- 5)ZINK, JAMES, H.**
- 6)WEINER, HEIKO**
- 7)POTTS, JOHN, L.**
- 8)JEVTIC, RADMILA**

**(57) Abstract :**

A process for hydrogenating acetic acid to form of ethyl acetate and mixtures of ethyl acetate and ethanol. The hydrogenation is done in the presence of catalyst, preferably on a support that optionally includes a support modifier.

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.964/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : PROCESS FOR MAKING ETHANOL FROM ACETIC ACID USING ACIDIC CATALYSTS

(51) International classification	:B01J 23/00
(31) Priority Document No	:12/588,727
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054136
Filing Date	:26/10/2010
(87) International Publication No	:WO 2011/056597
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)JEVTIC, RADMILA**

**2)JOHNSTON, VICTOR, J.**

**3)WARNER, R. JAY**

**4)WEINER, HEIKO**

---

(57) Abstract :

A process for selective formation of ethanol from acetic acid by hydrogenating acetic acid in the presence of a catalyst comprises a first metal on an acidic support. The acidic support may comprise an acidic support material or may comprise an support having an acidic support modifier. The catalyst may be used alone to produced ethanol via hydrogenation or in combination with another catalyst. In addition, the crude ethanol product is separated to obtain ethanol.

No. of Pages : 41 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.970/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : TUNABLE CATALYST GAS PHASE HYDROGENATION OF CARBOXYLIC ACIDS

(51) International classification	:B01J 21/16
(31) Priority Document No	:12/588,727
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054134
Filing Date	:26/10/2010
(87) International Publication No	:WO 2011/056595
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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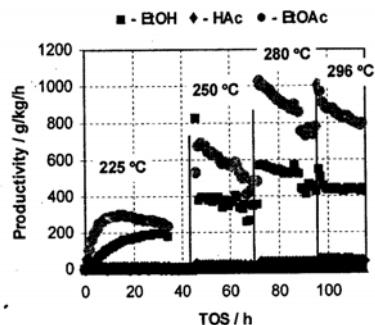
2)JOHNSTON, VICTOR, J.

3)POTTS, JOHN, L.

4)JEVTIC, RADMILA

(57) Abstract :

A process for selective formation of ethanol from acetic acid includes contacting a feed stream containing acetic acid and hydrogen at an elevated temperature with catalyst comprising platinum and tin on a high surface area silica promoted with calcium metasilicate. Selectivities to ethanol of over 85% are achieved at 280°C with catalyst life in the hundreds of hours.



No. of Pages : 134 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.956/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : SAFETY CONTROLLER FOR AN ACTUATOR

(51) International classification	:H02J 9/06
(31) Priority Document No	:1619/09
(32) Priority Date	:22/10/2009
(33) Name of priority country	:Switzerland
(86) International Application No	:PCT/CH2010/000247
Filing Date	:06/10/2010
(87) International Publication No	:WO 2011/047490
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :BRUNNENBACHSTRASSE 1, CH-8340 HINWIL, CORPORATION OF SWITZERLAND

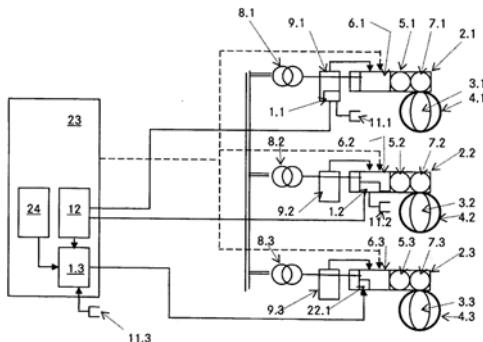
(72)Name of Inventor :

1)FURRER ANDREAS

2)OCHSENBEIN MARTIN

(57) Abstract :

The invention relates to a safety controller for an actuating drive (2.1, 2.2, 2.3) for controlling a gas flow or a liquid flow in an open-loop or closed-loop manner by means of a flap (3.1, 3.2, 3.3) or a valve, in particular in the field of heating, ventilation, and air conditioning (HVAC) systems, fire-protection systems, and/or room protection systems. A safety circuit (9.1, 9.2, 9.3) is implemented to ensure the energy supply in a safety operating mode if an electricity supply circuit (8.1, 8.2, 8.3) drops off or is lost. A control value output circuit (1.1, 1.2, 1.3) detects status signals, in particular signals of a sensor (11.1, 11.2, 11.3), and/or status parameters of a system and/or a specifiable setting of an adjustment device that can be actuated manually. The safety control value is set to one of at least two different control values (SW1, SW2,...) depending on the status signals so that the safety position of the flap is determined adaptively.



No. of Pages : 34 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.961/KOLNP/2012 A

(43) Publication Date : 08/02/2013

---

(54) Title of the invention : CATALYSTS FOR MAKING ETHYL ACETATE FROM ACETIC ACID

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(51) International classification	:B01J 23/89
(31) Priority Document No	:12/588,727
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022953
Filing Date	:02/02/2010
(87) International Publication No	:WO 2011/053367
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)CELANESE INTERNATIONAL CORPORATION**

Address of Applicant :1601 WEST LBJ FREEWAY,  
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**(72)Name of Inventor :**

- 1)JOHNSTON, VICTOR, J.**
  - 2)CHEN, LAIYUAN**
  - 3)KIMMICH, BARBARA, F.**
  - 4)CHAPMAN, JOSEFINA, T.**
  - 5)ZINK, JAMES, H.**
  - 6)WEINER, HEIKO**
  - 7)POTTS, JOHN, L.**
  - 8)JEVTIC, RADMILA**
- 

**(57) Abstract :**

Catalysts and processes for making catalysts suitable for use in processes for hydrogenating acetic acid to form of ethyl acetate and mixtures of ethyl acetate and ethanol. In a first embodiment, the catalyst includes a high loading of nickel, palladium or platinum. In a second embodiment, the catalyst comprises a first metal selected from nickel and palladium and a second metal selected from tin and zinc. In a third embodiment, the catalyst comprises one or more metals on a support that has been modified with an acidic support modifier or a redox support modifier.

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.962/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PROCESSES FOR MAKING ETHANOL FROM ACETIC ACID

(51) International classification	:B01J 21/16
(31) Priority Document No	:12/588,727
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022947
Filing Date	:02/02/2010
(87) International Publication No	:WO 2011/053365
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CELANESE INTERNATIONAL CORPORATION

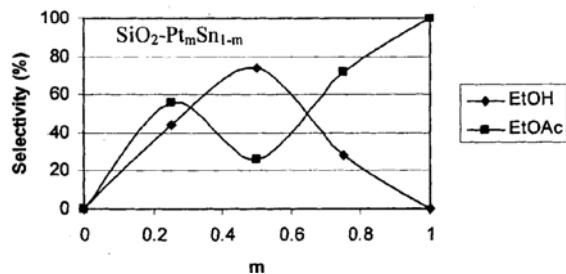
Address of Applicant :1601 WEST LBJ FREEWAY,  
DALLAS, TX 75234, U.S.A.

(72)Name of Inventor :

- 1)JOHNSTON, VICTOR, J.
- 2)CHEN, LAIYUAN
- 3)KIMMICH, BARBARA, F.
- 4)CHAPMAN, JOSEFINA, T.
- 5)ZINK, JAMES, H.
- 6)WEINER, HEIKO
- 7)POTTS, JOHN, L.
- 8)JEVTIC, RADMILA

(57) Abstract :

A process for selective formation of ethanol from acetic acid by hydrogenating acetic acid in the presence of first metal, a silicaceous support, and at least one support modifier. Preferably, the first metal is selected from the group consisting of copper, iron, cobalt, nickel, ruthenium, rhodium, palladium, osmium, iridium, platinum, titanium, zinc, chromium, rhenium, molybdenum, and tungsten. In addition the catalyst may comprise a second metal preferably selected from the group consisting of copper, molybdenum, tin, chromium, iron, cobalt, vanadium, tungsten, palladium, platinum, lanthanum, cerium, manganese, ruthenium, rhenium, gold, and nickel.



No. of Pages : 47 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.969/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PLASTICS CONTAINER

(51) International classification	:B65D 1/02
(31) Priority Document No	:0918744.4
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051412
Filing Date	:25/08/2010
(87) International Publication No	:WO 2011/051694
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NAMPAK PLASTICS EUROPE LIMITED

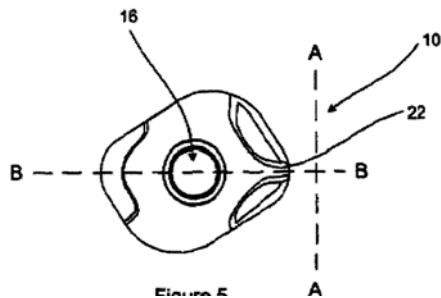
Address of Applicant :JENNA WAY, INTERCHANGE PARK, NEWPORT PAGNELL, BUCKINGHAMSHIRE MK16 9QJ, U.K.

(72)Name of Inventor :

1)GLOVER ANDREW

(57) Abstract :

A method of producing a plastics milk container involves blow moulding a parison in a mould tool configured to produce a container (10) having a body (12) with a handle eye (24) which defines a central axis extending in a first direction (AA) through the body, a footprint with a longitudinal (BB) axis extending in a direction perpendicular to said first direction, wherein the footprint defines four major sides (1,2) and four major corner regions (3,4), each corner region arranged between a respective two of said major sides, the longitudinal axis extending through a centre point of the footprint, and the maximum radial extent of the footprint from the centre point being greatest where the footprint intersects the longitudinal axis, corresponding to the location of two of said corner regions, so that the extent of parison stretch away from the mould tool part line is less than the extent of parison stretch along the part line.



No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.972/KOLNP/2012 A

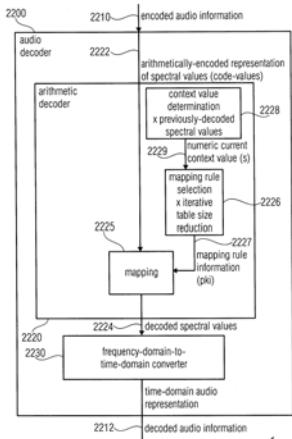
(43) Publication Date : 08/02/2013

(54) Title of the invention : AUDIO ENCODER, AUDIO DECODER, METHOD FOR ENCODING AN AUDIO INFORMATION, METHOD FOR DECODING AN AUDIO INFORMATION AND COMPUTER PROGRAM USING AN ITERATIVE INTERVAL SIZE REDUCTION

(51) International classification	:G10L 19/00	(71)Name of Applicant :
(31) Priority Document No	:61/253,459	1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
(32) Priority Date	:20/10/2009	Address of Applicant :HANSASTRAÆE 27C, 80686 MUENCHEN, GERMANY
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/065727	1)FUCHS, GUILLAUME 2)SUBBARAMAN, VIGNESH 3)RETTELBACH, NIKOLAUS 4)MULTRUS, MARKUS 5)GAYER, MARC 6)WARMBOLD, PATRICK 7)GRIEBEL, CHRISTIAN 8)WEISS, OLIVER
Filing Date	:19/10/2010	
(87) International Publication No	:WO 2011/048100	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An audio decoder (2200) for providing a decoded audio information on the basis of an encoded audio information comprises an arithmetic decoder (2200) for providing a plurality of decoded spectral values (2224) on the basis of an arithmetically-encoded representation (2222) of the spectral coefficients. The audio decoder also comprises a frequency-domain-to-time-domain converter (2230) for providing a time-domain audio representation using the decoded spectral values (2224), in order to obtain the decoded audio information (2212). The arithmetic decoder is configured to select a mapping rule describing a mapping of a code value onto a symbol code in dependence on a numeric current context value describing a current context state. The arithmetic decoder is configured to determine the numeric current context value in dependence on a plurality of previously decoded spectral values. The arithmetic decoder is configured to evaluate at least one table using an iterative interval size reduction to determine whether the numeric current context value is identical to a table context value described by an entry of the table or lies within an interval described by entries of the table, and to derive a mapping rule index value describing a selected mapping table. An audio encoder also uses an iterative interval table size reduction.



No. of Pages : 115 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.977/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : RUN FLAT TIRE AND SYSTEM

(51) International classification	:B60C 17/04
(31) Priority Document No	:61/247,074
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/068930
Filing Date	:21/12/2009
(87) International Publication No	:WO 2011/040940
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)HUTCHINSON INDUSTRIES, INC.

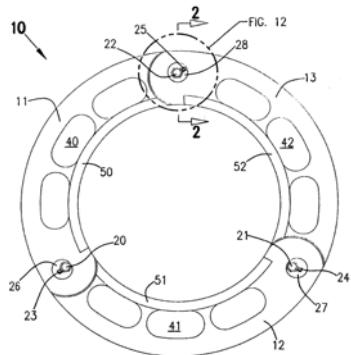
Address of Applicant :460 SOUTHARD STREET,  
TRENTON, NEW JERSEY 08638, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

1)KHATIB, KHALED

(57) Abstract :

The present invention provides a run flat tire and system adapted for alignment around a wheel and inside a tire. The run flat tire and system comprises one or more arcuate portions configured and arranged so as to be releasably aligned and connected to form a run flat device suitable for installation around a tire rim drop center. The invention further comprises one or more insert or encapsulated portions (corresponding to one or more arcuate portions) made of a relatively strong or stiff material, and one or more corresponding outer portions of a relatively soft or lower durometer material. In one aspect, outer portion(s) are molded around or directly on corresponding encapsulated portion(s).



No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.978/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : OPTICAL RECORDING MEDIUM AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:G11B 7/24
(31) Priority Document No	:2009-220410
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/066250 :17/09/2010
(87) International Publication No	:WO 2011/037098
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TDK CORPORATION

Address of Applicant :1-13-1, NIHONBASHI, CHUO-KU,  
TOKYO, 103-8272, JAPAN

2)PANASONIC CORPORATION

3)SONY CORPORATION

(72)Name of Inventor :

1)INOUE, HIROYASU

2)KIKUKAWA, TAKASHI

3)MISHIMA, KOJI

4)KOMMA, YOSHIAKI

5)ANZAI, JOJI

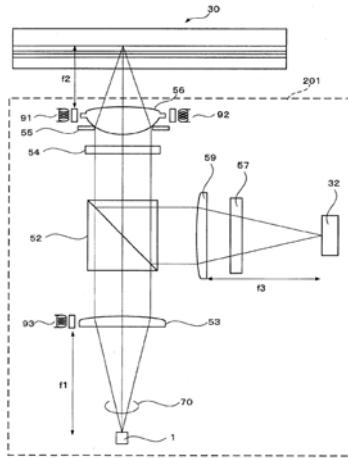
6)NAKANO, JUN

7)MIYAWAKI, MANAMI

8)TAKAGAWA, SHIGEKI

(57) Abstract :

An optical recording medium having three or more information recording layers reduces crosstalk caused by multi-reflected beams and improves signal quality. In the optical recording medium having three or more information recording layers, the refractive index of a plurality of intermediate layers disposed between adjacent information recording layers is greater than the refractive index of a cover layer disposed between a light incident surface and an information recording layer being the closest from the light incident surface.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.982/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HYDRAULIC SHOCK ABSORBER

(51) International classification	:F16F 9/38
(31) Priority Document No	:2009-269239
(32) Priority Date	:26/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/058544
Filing Date	:20/05/2010
(87) International Publication No	:WO 2011/065041
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHOWA CORPORATION

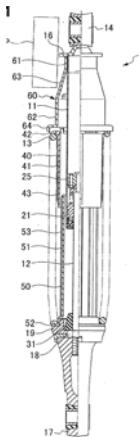
Address of Applicant :14-1, FUJIWARA-CHO 1-CHOME,  
GYODA-SHI, SAITAMA 3618506 Japan

(72)Name of Inventor :

1)TSUKADA, HIROMASA

(57) Abstract :

In a hydraulic shock absorber 10, a spring receiving collar 60 is interposed between an upper spring receiver 16 and an upper cover 40, and the spring receiving collar 60 is provided with a small diameter portion 61 which is attached to an outer periphery in an upper end side of a damper cylinder 11, and a large diameter portion 62 which hangs down from a lower end side of the small diameter portion 61, to which an upper end portion of the upper cover 40 is connected, and which forms an annular space 70 allowing a lower cover 50 from going into with respect to an outer periphery of the damper cylinder 11.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.973/KOLNP/2012 A

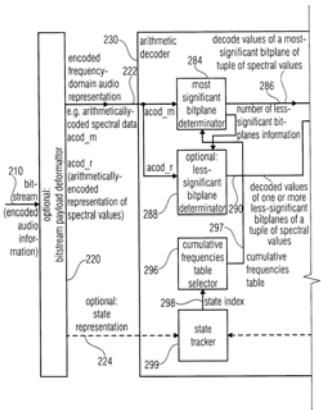
(43) Publication Date : 08/02/2013

(54) Title of the invention : AUDIO ENCODER, AUDIO DECODER, METHOD FOR ENCODING AN AUDIO INFORMATION, METHOD FOR DECODING AN AUDIO INFORMATION AND COMPUTER PROGRAM USING A DETECTION OF A GROUP OF PREVIOUSLY-DECODED SPECTRAL VALUES

(51) International classification	:G10L 19/00	(71)Name of Applicant :
(31) Priority Document No	:61/253,459	1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
(32) Priority Date	:20/10/2009	Address of Applicant :HANSASTRAÆE 27C, 80686 MUENCHEN, GERMANY
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/065725	1)FUCHS, GUILLAUME 2)SUBBARAMAN, VIGNESH 3)RETTELBACH, NIKOLAUS 4)MULTRUS, MARKUS 5)GAYER, MARC 6)WARMBOLD, PATRICK 7)GRIEBEL, CHRISTIAN 8)WEISS, OLIVER
Filing Date	:19/10/2010	
(87) International Publication No	:WO 2011/048098	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An audio decoder (200) for providing a decoded audio information (212) on the basis of an encoded audio information (210) comprises a arithmetic decoder (230) for providing a plurality of decoded spectral values (232) on the basis of an arithmetically-encoded representation (222) of the spectral values and a frequency-domain-to-time-domain converter (260) for providing a time-domain audio representation (262) using the decoded spectral values, in order to obtain the decoded audio information. The arithmetic decoder (230) is configured to select a mapping rule describing a mapping of a code value onto a symbol code in dependence on a context state. The arithmetic decoder is configured to determine or modify the current context state in dependence on a plurality of previously-decoded spectral values. The arithmetic decoder is configured to detect a group of a plurality of previously-decoded spectral values, which fulfill, individually or taken together, a predetermined condition regarding their magnitudes, and to determine the current context state in dependence on a result of the detection. An audio encoder uses similar principles.



No. of Pages : 109 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.974/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD AND SYSTEM FOR SCHEDULING FREQUENCY PHYSICAL RESOURCES BASED ON FREQUENCY HOPPING

(51) International classification	:H04W 72/04
(31) Priority Document No	:200910178320.5
(32) Priority Date	:16/10/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/075404
Filing Date	:22/07/2010
(87) International Publication No	:WO 2011/044787
(61) 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

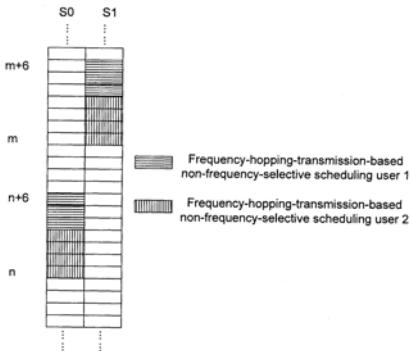
(72)**Name of Inventor :**

**1)ZHANG, CHANGSHENG**

**2)YANG, ZHUO**

(57) Abstract :

The disclosure discloses a method and a system for scheduling frequency physical resources based on frequency hopping. The method comprises: in two time slots of frequency hopping transmission, reserving frequency physical resources for an activated semi-persistent scheduling new transmission user with a transmission period reached and a retransmission user; obtaining a scheduling type of a user required for scheduling, and according to an occupancy situation of the frequency physical resources, obtaining corresponding available frequency physical resources when employing a frequency-selective scheduling type and a non-frequency-selective scheduling type; and according to the scheduling type of the user required for scheduling, searching for corresponding available frequency physical resources, and allocating the frequency physical resources to a frequency-selective scheduling user and a non-frequency-selective scheduling user simultaneously during one scheduling period. The disclosure comprehensively utilizes advantages of the frequency-selective scheduling and non-frequency-selective scheduling, so that the users with good channel quality can utilize the frequency-selective scheduling to obtain the optimal frequency resources, the users without channel quality information can obtain frequency diversity gain through frequency hopping, and the system capacity can be improved without increasing equipment costs.



No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.980/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : REINFORCED UNITARY SEAT RING FOR VALVE ASSEMBLY

(51) International classification	:F16K 3/28
(31) Priority Document No	:61/245,774
(32) Priority Date	:25/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050405
Filing Date	:27/09/2010
(87) International Publication No	:WO 2011/038346
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BRAY INTERNATIONAL, INC.

Address of Applicant :13333 WESTLAND E. BLVD.,  
HOUSTON, TEXAS 77041 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)SMITH, FRANK

2)BENEDICT, SHAYNE

(57) Abstract :

A unitary valve seat has a mesh ring with an extensible annular collar connected to the mesh ring, and a resilient layer made of polyurethane which is external to the mesh ring.

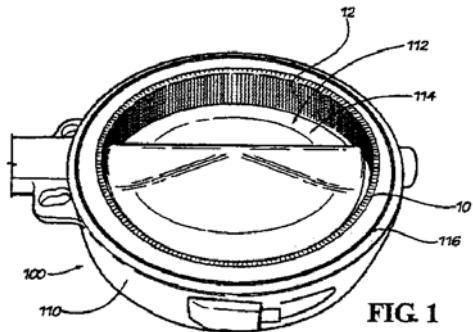


FIG. 1

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.981/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : USE OF METHYLSULFONYL METHANE (MSM) TO MODULATE MICROBIAL ACTIVITY

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(51) International classification	:C12P 7/06
(31) Priority Document No	:61/256,935
(32) Priority Date	:30/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054845
Filing Date	:29/10/2010
(87) International Publication No	:WO 2011/053854
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)BIOGENIC INNOVATIONS, LLC**

Address of Applicant :1000 WEST 8TH STREET,  
VANCOUVER, WA 98660 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)BENJAMIN, RODNEY L.**

**2)VARELMAN, JEFFREY**

**3)KELLER, ANTHONY L.**

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(57) Abstract :

Disclosed herein are methods of use of methylsulfonylmethane (MSM) to modulate microbial activity, such as to enhance or inhibit the activity of microorganisms. In one example, MSM (such as about 0.5% to 5% MSM) is used to enhance fermentation efficiency, such as to enhance fermentation efficiency associated with the production of beer, cider, wine, a biofuel, dairy product or any combination thereof. Also disclosed are in vitro methods for enhancing the growth of one or more probiotic microorganisms and methods of enhancing growth of a microorganism in a diagnostic test sample. Methods of inhibiting microbial activity are also disclosed. In one particular example, a method of inhibiting microbial activity includes selecting a medium that is susceptible to H1N1 influenza contamination; and contacting the medium with MSM at a concentration of about 10% to about 16% of weight by volume, thereby inhibiting H1N1 influenza microbial activity.

No. of Pages : 180 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.983/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : A WARMING DEVICE FOR WARMING THE DISTAL PORTION OF AN OPTICAL INSTRUMENT

(51) International classification

:A61B 1/313

(31) Priority Document No

:532195

(32) Priority Date

:05/04/2004

(33) Name of priority country

:New Zealand

(86) International Application No

:PCT/NZ2005/000069

Filing Date

:05/04/2005

(87) International Publication No

:WO 2005 096916

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:2883/KOLNP/2006

Filed on

:06/10/2006

(71)Name of Applicant :

**1)FISHER & PAYKEL HEALTHCARE LIMITED**

Address of Applicant :15, MAURICE PAYKEL PLACE,  
EAST TAMAKI, AUCKLAND NEW ZEALAND

(72)Name of Inventor :

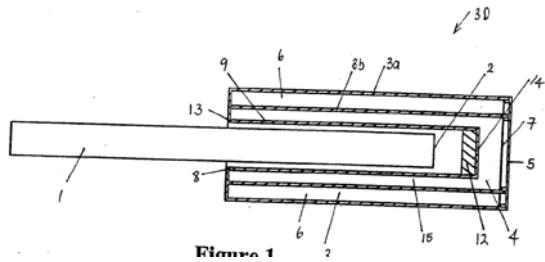
**1)BLACKHURST, MICHAEL JOSEPH**

**2)GULLIVER, LAURENCE**

**3)MURPHY, ROBERT ASHTON**

(57) Abstract :

A warming device (30) is disclosed that is capable of warming the lens portion (2) of an optical instrument (1), such as a laparoscope, to a temperature above ambient to prevent lens fogging and a means of cleaning the lens during a surgical procedure to remove any biological matter that may adhere to the lens. The lens warming device (30) is self-contained and does not require the attachment of any power source thereby making the device portable for use anywhere within the surgical operating environment.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.991/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE

(51) International classification	:F02B 37/00
(31) Priority Document No	:102009060055.8
(32) Priority Date	:22/12/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/US2010/060199
Filing Date	:14/12/2010
(87) International Publication No	:WO 2011/087661
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BORGWARNER INC

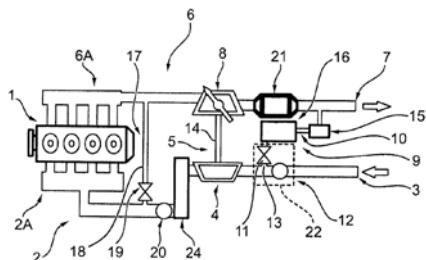
Address of Applicant :PATENT DEPARTMENT 3850  
HAMLIN ROAD, AUBURN HILLS, MICHIGAN 48326,  
UNITED STATES OF AMERICA

(72)Name of Inventor :

1)CHRISTMANN, RALF

(57) Abstract :

The present invention relates to an internal combustion engine (1), having an intake section (2) which has an intake line (3) in which a compressor (4) of an exhaust- gas turbocharger (5) is arranged; having an exhaust section (6) which has an exhaust line (7) in which a turbine (8) of the exhaust-gas turbocharger (5) is arranged; and having a low-pressure exhaust-gas recirculation device (9) which has an exhaust-gas recirculation line (10) which branches off from the exhaust line (7) downstream of the turbine (8) and which opens into the intake line (3) upstream of the compressor (4) and in which an exhaust-gas recirculation valve (11) is arranged. Here, a throttle device (12) is arranged in the intake line (3) upstream of the compressor (4).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.992/KOLNP/2012 A

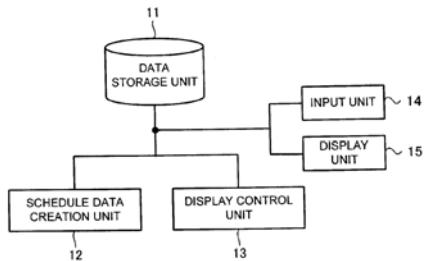
(43) Publication Date : 08/02/2013

(54) Title of the invention : CONSTRUCTION PROCESS CREATION SYSTEM AND CONSTRUCTION PROCESS CREATION METHOD

(51) International classification	:G06Q 50/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:NA	Address of Applicant :1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001 JAPAN
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2009/006054	1)TOYOHIRO UMEKI 2)MAKOTO HATAKEYAMA 3)SHINJI SORI
Filing Date	:12/11/2009	
(87) International Publication No	:WO 2011/058606	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There are provided a construction process creation system and a construction process creation method each facilitating decision of a construction process. The construction process creation system includes: a storage unit to store construction object data having construction object identifiers identifying a plurality of construction objects from one another, type information, position information, size information, and weight information; an allocation unit to allocate the plurality of construction objects to any one of a plurality of construction works based on the type information; and a calculation unit to calculate a construction period of each of the plurality of construction works based on a size or a weight of the construction object allocated to each of the plurality of construction works.



No. of Pages : 41 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.997/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : FAILOVER AND RECOVERY FOR REPLICATED DATA INSTANCES

(51) International classification	:G06F 11/00
(31) Priority Document No	:12/606,097
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054139
Filing Date	:26/10/2010
(87) International Publication No	:WO 2011/053594
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AMAZON TECHNOLOGIES, INC.

Address of Applicant :P.O. BOX 8102, RENO, NEVADA  
89507 UNITED STATES OF AMERICA

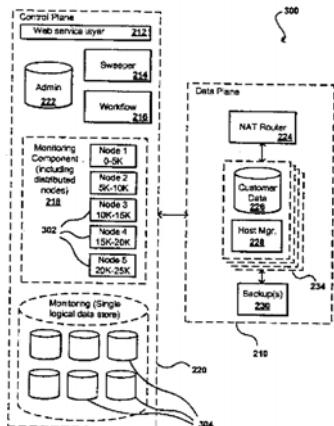
(72)Name of Inventor :

1)MCALISTER, GRANT ALEXANDER MACDONALD

2)SIVASUBRAMANIAN, SWAMINATHAN

(57) Abstract :

Replicated instances in a database environment provide for automatic failover and recovery. A monitoring component can periodically communicate with a primary and a secondary replica for an instance, with each capable of residing in a separate data zone or geographic location to provide a level of reliability and availability. A database running on the primary instance can have information synchronously replicated to the secondary replica at a block level, such that the primary and secondary replicas are in sync. In the event that the monitoring component is not able to communicate with one of the replicas, the monitoring component can attempt to determine whether those replicas can communicate with each other, as well as whether the replicas have the same data generation version. Depending on the state information, the monitoring component can automatically perform a recovery operation, such as to failover to the secondary replica or perform secondary replica recovery.



No. of Pages : 68 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.960/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : CATALYSTS FOR MAKING ETHANOL FROM ACETIC ACID

(51) International classification	:B01J 21/16
(31) Priority Document No	:12/588,727
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022950
Filing Date	:02/02/2010
(87) International Publication No	:WO 2011/056247
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CELANESE INTERNATIONAL CORPORATION

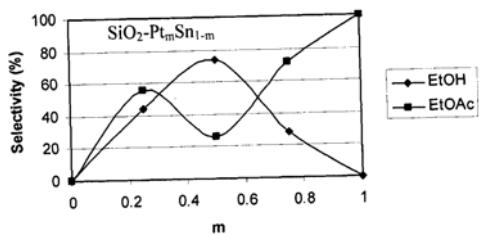
Address of Applicant :1601 WEST LBJ FREEWAY,  
DALLAS, TX 75234, U.S.A.

(72)Name of Inventor :

- 1)JOHNSTON, VICTOR, J.
- 2)CHEN, LAIYUAN
- 3)KIMMICH, BARBARA, F.
- 4)CHAPMAN, JOSEFINA, T.
- 5)ZINK, JAMES, H.
- 6)WEINER, HEIKO
- 7)POTTS, JOHN, L.
- 8)JEVTIC, RADMILA

(57) Abstract :

Catalysts and processes for forming catalysts for use in hydrogenating acetic acid to form ethanol. In one embodiment, the catalyst comprises a first metal, a siliceous support, and at least one metasilicate support modifier. Preferably, the first metal is selected from the group consisting of copper, iron, cobalt, nickel, ruthenium, rhodium, palladium, osmium, iridium, platinum, titanium, zinc, chromium, rhenium, molybdenum, and tungsten. In addition the catalyst may comprise a second metal preferably selected from the group consisting of copper, molybdenum, tin, chromium, iron, cobalt, vanadium, tungsten, palladium, platinum, lanthanum, cerium, manganese, ruthenium, rhenium, gold, and nickel.



No. of Pages : 47 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.967/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : ENGINEERED ZINC FINGER PROTEINS TARGETING PLANT GENES INVOLVED IN FATTY ACID BIOSYNTHESIS

(51) International classification	:C12N 15/82
(31) Priority Document No	:61/279,528
(32) Priority Date	:22/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/002817
Filing Date	:22/10/2010
(87) International Publication No	:WO 2011/049627
(61) 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 AGROSCIENCES LLC

Address of Applicant :9330 ZIONSVILLE ROAD  
INDIANAPOLIS, INDIANA 46268-1054 UNITED STATES OF AMERICA

2)SANGAMO BIOSCIENCES, INC.

(72)Name of Inventor :

1)DEKELVER, RUSSELL

2)GUPTA, MANJU

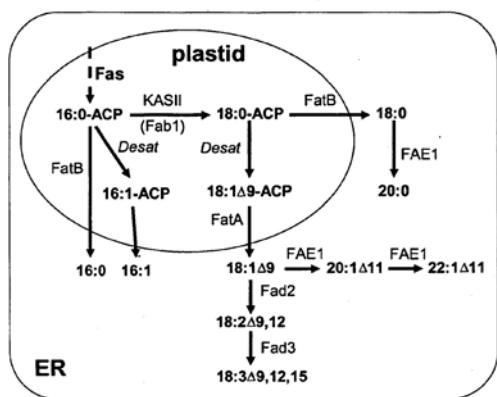
3)MILLER, JEFFREY C.

4)NOVAK, STEPHEN

5)PETOLINO, JOSEPH F.

(57) Abstract :

The present disclosure relates to engineered zinc finger proteins that target genes in plants involved in fatty acid biosynthesis. Methods of using such zinc finger proteins in modulating gene expression, gene inactivation, and targeted gene modification are also provided.



Fatty acid biosynthesis pathway

No. of Pages : 124 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.968/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : COMPACT MULTISPECTRAL SCANNING SYSTEM

(51) International classification	:G02B 17/06
(31) Priority Document No	:P200901996
(32) Priority Date	:15/10/2009
(33) Name of priority country	:Spain
(86) International Application No	:PCT/EP2010/053558
Filing Date	:18/03/2010
(87) International Publication No	:WO 2011/045087
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ALFA IMAGING, S.A.

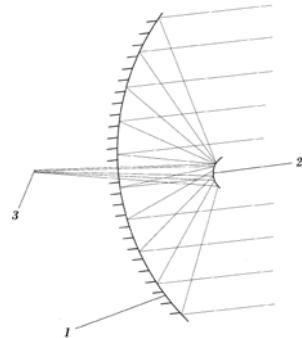
Address of Applicant :C/GENERAL PARDI'AS, 91, E-28006  
MADRID, SPAIN

(72)Name of Inventor :

1)CALLEJERO ANDRES, CARLOS

(57) Abstract :

The invention refers to a compact multispectral scanning system comprising a primary mirror (1) and secondary mirror (2), wherein the mirrors face each other, are adapted to be rotated at the same angular speed in opposite directions, and are tilted with respect to their rotation axes. The primary mirror is concave, the secondary mirror is smaller than the primary mirror and the rotation axes of both mirrors are aligned. This arrangement makes the system more compact than prior art devices and avoids the dependency of the system on the operation frequency.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.975/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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(54) Title of the invention : REFRIGERANT COMPOSITION COMPRISING DIFLUOROMETHANE (HFC32) AND 2,3,3,3-TETRAFLUOROPROPENE (HFO1234YF)

(51) International classification	:C09K 5/04	(71) <b>Name of Applicant :</b> <b>1)DAIKIN INDUSTRIES, LTD.</b> Address of Applicant :UMEDA CENTER BUILDING, 4-12, NAKAZAKI-NISHI 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA 5308323, JAPAN
(31) Priority Document No	:61/282,344	
(32) Priority Date	:27/01/2010	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/JP2011/052194	
Filing Date	:27/01/2011	
(87) International Publication No	:WO 2011/093521	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)SHIBANUMA, TAKASHI</b> <b>2)YAMADA, YASUFU</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a refrigerant having a reduced amount of comprehensive environmental load because the refrigerant has a low direct impact with a low global warming potential (GWP) and also has a low indirect impact with good energy efficiency when used in a device. Specifically, the present invention relates to a refrigerant composition comprising 30 to 50 mass% of difluoromethane (HFC32) and 70 to 50 mass% of 2, 3, 3, 3-tetrafluoropropene (HFO1234yf).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.976/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY DEVICE

(51) International classification	:G02F 1/1335
(31) Priority Document No	:2009-249545
(32) Priority Date	:29/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069011
Filing Date	:26/10/2010
(87) International Publication No	:WO 2011/052612
(61) 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

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OSAKA-SHI, OSAKA 545-8522 JAPAN

(72)Name of Inventor :

1)KOHZOH NAKAMURA

2)SHUN UEKI

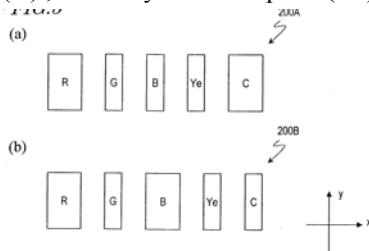
3)KAZUNARI TOMIZAWA

4)TOMOHIKO MORI

5)YUICHI YOSHIDA

(57) Abstract :

A liquid crystal display device according to the present invention comprises a pixel including a plurality of sub pixels. The plurality of sub pixels include a red sub pixel (R), a green sub pixel (G), a blue sub pixel (B), a yellow sub pixel (Ye) and a cyan sub pixel (C). The aperture area size of one of the cyan sub pixel (C) and the blue sub pixel (B) is larger than the aperture area size of any of the other of the cyan (C) and blue (B) sub pixels, the green sub pixel (G) and the yellow sub pixel (Ye); and the aperture area size of the red sub pixel (R) is larger than the aperture area size of any of the other of the cyan (C) and blue (B) sub pixels, the green sub pixel (G), and the yellow sub pixel (Ye).



No. of Pages : 216 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.990/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : FLUID -BIASED HYDRAUKIC CONTROL VALVE WITH ARMATURE PISTON

(51) International classification	:F01L 1/34
(31) Priority Document No	:12/582,085
(32) Priority Date	:20/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/002674
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/048470
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)EATON CORPORATION

Address of Applicant :EATON CENTER, 1111 SUPERIOR AVENUE, CLEVELAND, OH 44114-2584, UNITED STATES OF AMERICA

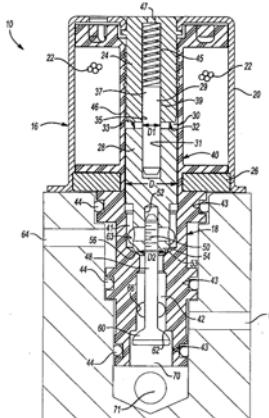
(72)Name of Inventor :

1)BENEKER, GERRIT, V.

2)KELLER, ROBERT, DEAN

(57) Abstract :

A hydraulic control valve has a solenoid body, a selectively energizable coil, and an armature positioned adjacent the coil. The coil is energizable to generate a magnetic force that moves the armature from a first position to a second position. A pole piece is positioned to establish a gap between the pole piece and the armature. The pole piece has a cavity that opens at the gap. A piston extends from the armature into the cavity and moves with the armature. The armature is biased to seat at a valve seat in the first position by pressurized fluid. Magnetic force required to move the armature away from the valve seat is a function of the difference between an area of the piston and an area defined by contact of the armature at the valve seat.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.988/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : OIL SCRAPER PISTON RING

(51) International classification	:F16J 9/06
(31) Priority Document No	:10 2010 001 434.6
(32) Priority Date	:01/02/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/067074
Filing Date	:09/11/2010
(87) International Publication No	:WO 2011/091876
(61) 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 BURSCHEID GMBH

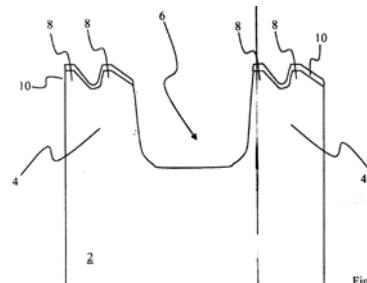
Address of Applicant :BÜRGERMEISTER-SCHMIDT-STRASSE 17, 51399 BRUSCHEID, GERMANY

(72)Name of Inventor :

1)ESSER, PETER

(57) Abstract :

The present invention relates to an improved oil scraper piston ring, comprising a ring body, two radial outer running webs on the ring body, which are arranged one behind the other in relation to the run direction of the piston and are spaced apart from one another by an external depression, each running web respectively having two scraper lips; and a wear protection coating on each scraper lip.



No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.989/KOLNP/2012 A

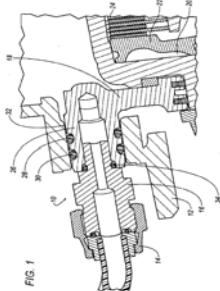
(43) Publication Date : 08/02/2013

(54) Title of the invention : FREE FLOATING HYDRAULIC BULKHEAD WITH IMPROVED SEALING AND ANTI-ROTATION

(51) International classification	:F16H 48/30	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/251,949	<b>1)EATON CORPORATION</b>
(32) Priority Date	:15/10/2009	Address of Applicant :EATON CENTER, 1111 SUPERIOR AVENUE, CLEVELAND, OH 44114-2584, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IB2010/002621	<b>1)FOX, MATTHEW, G.</b>
Filing Date	:15/10/2010	
(87) International Publication No	:WO 2011/045661	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A hydraulic bulkhead (10) configured for use with a limited slip differential includes a plenum (18) comprising a passageway for hydraulic fluid and a boss (26). A first seal (28) is located on an outer surface of the boss (26). The outer surface of the boss (26) is a low pressure area relative to the inner surface of the boss (26). The plenum (18) is stationary relative to the limited slip differential. A differential assembly including the inventive hydraulic bulkhead (10) is also disclosed.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.995/KOLNP/2012 A

(43) Publication Date : 08/02/2013

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

(51) International classification	:H04B 7/26
(31) Priority Document No	:61/246,154
(32) Priority Date	:27/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/006543
Filing Date	:27/09/2010
(87) International Publication No	:WO 2011/037427
(61) 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.

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KOREA

(72)Name of Inventor :

1)NOH, MIN SEOK

2)LEE, MOON IL

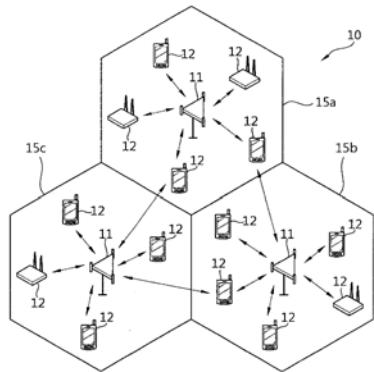
3)CHUNG, JAE HOON

4)MOON, SUNG HO

5)HAN, SEUNG HEE

(57) Abstract :

The present invention relates to a method and an apparatus for transmitting a reference signal by a base station in a wireless communication system. The base station generates a channel state information (CSI) reference signal (RS) for each of a plurality of layers, performs mapping the plurality of CSI-RSs to a resource element set constituted by a plurality of resource elements(RES) in a subframe and transmits the subframe with the plurality of mapped CSI-RSs. The plurality of resource elements constituting the resource element set are resource elements that are arranged with constant subcarrier spacing in two neighboring orthogonal frequency division multiplexing (OFDM) symbols, and the subframe has an extended cyclic prefix (CP) structure including 12 OFDM symbols.



No. of Pages : 50 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.996/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : PROVISIONING AND MANAGING REPLICATED DATA INSTANCES

(51) International classification	:G06F 7/00
(31) Priority Document No	:12/606,093
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054133
Filing Date	:26/10/2010
(87) International Publication No	:WO 2011/053592
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AMAZON TECHNOLOGIES, INC.

Address of Applicant :P.O.BOX 8102, RENO, NEVADA  
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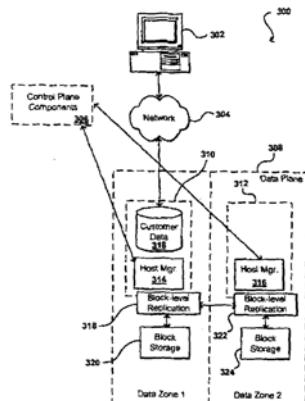
(72)Name of Inventor :

1)MCALISTER, GRANT ALEXANDER MACDONALD

2)SIVASUBRAMANIAN, SWAMINATHAN

(57) Abstract :

A replicated database instance can be provisioned that provides primary and secondary replicas that can be provisioned in different data zones or geographical locations. The database can be installed on the primary replica, and both the primary and secondary replica can have installed a block level replication mechanism that allows any I/O operation to be replicated by between the primary and secondary replicas. Any failure or outage of the primary replica can be addressed by performing a failover operation to the secondary replica. A DNS name or other such approach can be used such that the name can be aliased to the secondary replica during a failover, such that there is no action needed on the part of the customer to utilize the new primary replica. The creation of the database and provisioning of the replicated instance can be initiated using a Web service call to a control environment.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.979/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : HYDRAULIC DAMPER

(51) International classification	:F16F 9/34
(31) Priority Document No	:2010-140807
(32) Priority Date	:21/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/055662
Filing Date	:10/03/2011
(87) International Publication No	:WO 2011/161990
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHOWA CORPORATION

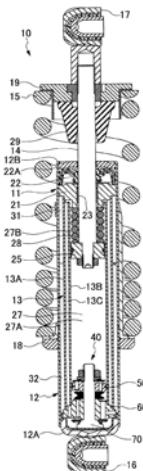
Address of Applicant :14-1, FUJIWARA-CHO 1-CHOME,  
GYODA-SHI, SAITAMA 3618506, JAPAN

(72)Name of Inventor :

1)MURAKAMI, YOSUKE

(57) Abstract :

In a hydraulic damper 10, at least one of a first base piston 50 and a second base piston 60 is provided with a communication path 44 communicating an intermediate portion between a compression side damping valve 51 and a compression side check valve 52 which are provided in respective compression side flow paths 50A, 60B of the first and second base pistons 50, 60 with an oil reservoir chamber 32, and communicating an intermediate portion between an extension side damping valve 61 and an extension side check valve 62 which are provided in respective extension side flow paths 60A, 50B of the first and second base pistons 50, 60 with the oil reservoir chamber 32.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.993/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : METHOD FOR RECOVERING ENERGY

(51) International classification	:F04B 39/06
(31) Priority Document No	:2010/0038
(32) Priority Date	:25/01/2010
(33) Name of priority country	:Belgium
(86) International Application No	:PCT/BE2010/000087
Filing Date	:27/12/2010
(87) International Publication No	:WO 2011/088527
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ATLAS COPCO AIRPOWER, NAAMLOZE

VENNOOTSCHAP

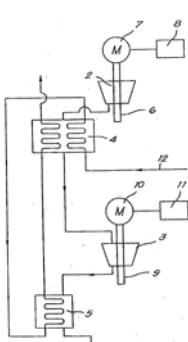
Address of Applicant :BOOMSESTEENWEG 957, B-2610  
WILRIJK, BELGIUM

(72)Name of Inventor :

1)JANSSENS, STIJN JOZEF RITA JOHANNA

(57) Abstract :

Method for recovering energy when compressing a gas with a compressor (1) with two or more compression stages, with each stage realised by a compressor element (2,3), whereby in each case downstream from at least two aforementioned compressor elements there is a heat exchanger (4,5) with a primary and a secondary part, whereby the coolant is guided successively in series through the secondary part of at least two heat exchangers (4,5), whereby the sequence in which the coolant is guided through the heat exchangers (4,5) is chosen such that the temperature at the inlet of the primary part of at least one subsequent heat exchanger is higher than or equal to the temperature at the inlet of the primary part of a preceding heat exchanger, as seen in the direction of flow of the coolant, and whereby at least one heat exchanger (4 and/or 17) is provided with a tertiary part for a coolant.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.994/KOLNP/2012 A

(43) Publication Date : 08/02/2013

(54) Title of the invention : MANAGED ELECTRICAL CONNECTIVITY SYSTEMS

(51) International classification	:H01R 13/514
(31) Priority Document No	:61/252,964
(32) Priority Date	:19/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053228
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/049967
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)ADC TELECOMMUNICATIONS, INC.**

Address of Applicant :A CORPORATION ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF MINNESOTA, 13625 TECHNOLOGY DRIVE, EDEN PRAIRIE, MN 55344-2252, U.S.A.

**(72)Name of Inventor :**

**1)TAYLOR, CHRIS**

**2)WHITE, GORDON, JOHN**

**3)HOATH, ALASTAIR**

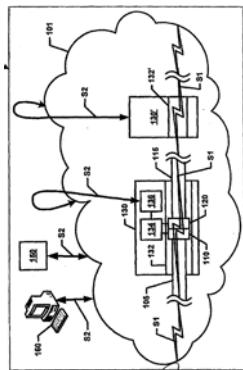
**4)COFFEY, JOSEPH, CHRISTOPHER**

**5)MATTSON, LOREN, J.**

**6)SAND, DUANE, R**

**(57) Abstract :**

A connector arrangement includes a plug nose body; a printed circuit board positioned within a cavity of the plug nose body; and a plug cover that mounts to the plug nose body to enclose the printed circuit board within the cavity. The printed circuit board includes a storage device configured to store information pertaining to the electrical segment of communications media. The plug cover defines a plurality of slotted openings through which the second contacts are exposed. A connector assembly includes a jack module and a media reading interface configured to receive the plug. A patch panel includes multiple jack modules and multiple media reading interfaces.



No. of Pages : 140 No. of Claims : 36

## **AMENDMENT UNDER SECTION 57**

**In pursuance of allowance of a request made under Section 57 of the Patents Act, 1970 the name of Applicants in respect of Patent Application No. 530/KOL/2003 (253163) filed on 13.10.2003 has been amended from MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. to PANASONIC CORPORATION.**

## 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.**

Ser ial Nu mb er	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)	Approp riate Office
1	188178	727/DEL/1998	23/03/1998		A PROCESS FOR PREPARATION OF THE COMPOUND 7-(3-AMINOMETHYL-4-METHOXYIMINOPYRROLIDIN-L-YI)-1-CYCLOPROPYL-6-FLUORO-4-OXO-DIHYDRO-1, 8-NAPHTHYRIDINE-3-CARBOXYLIC ACID METHANESULFONATE N. H2O	LG CHEMICALS LIMITED		DELHI
2	188958	837/DEL/1998	31/03/1998	01/04/1997	PROCESS FOR PREPARING SOLID MICROPARTICLES OF HYALURONIC ACID	LG CHEMICAL LIMITED		DELHI
3	255189	667/DELNP/2004	19/09/2002	03/11/2001	A CYANOESTER METHINE COMPOUND	MILLIKEN & COMPANY	11/12/2009	DELHI
4	255191	1175/DELNP/2004	03/10/2002	03/10/2001	METHOD FOR DISSOLVING CELLULOSE, SOLUTION COMPRISING SAID CELLULOSE AND METHOD FOR REGENERATING CELLULOSE	THE UNIVESITY OF ALABAMA	28/07/2006	DELHI
5	255193	2510/DELNP/2004	28/02/2003	01/03/2002	CONTAINER, ESPECIALLY RETURNABLE CONTAINER, WITH COLLAPSIBLE SIDE WALLS	IFCO SYSTEMS GMBH.,	09/10/2009	DELHI
6	255194	1904/DELNP/2005	22/12/2003	20/12/2002	NOVEL BENZOXAZOCINES COMPOUNDS	ARAKIS LTD	27/03/2009	DELHI
7	255195	1066/DELNP/2007	22/08/2005	24/08/2004	DEVICE FOR TURINIG AND TRANSLATING A PASTY OR GRANULAR MATERIAL	DEGREMONT	03/08/2007	DELHI
8	255196	1607/DEL/1996	19/07/1996	20/07/1995	A CONTROLLED RELEASE AND DELAYED RELEASE FORMULATION	SMITHKLINE BEECHAM P.L.C.	26/03/2010	DELHI
9	255201	5962/DELNP/2006	06/04/2005	06/04/2004	'PROCESS FOR PREPARING MAILLARD FLAVOUR PREPARATIONS'	QUEST INTERNATIONAL B.V.,QUEST INTERNATIONAL SERVICES B.V.	13/07/2007	DELHI
10	255202	8573/DELNP/2007	09/05/2006	09/05/2005	A METHOD FOR BINDING AN ANALYTE	PROMETIC BIOSCIENCES LTD.	27/06/2008	DELHI

11	255203	1514/DEL/1999	30/11/1999		FAST DISSOLVING PHARMACEUTICAL COMPOSITIONS IN SOLID FORM WITH PROLONGED SWEET TASTE AND A PROCESS FOR THE MANUFACTURE THEREOF	PANACEA BIOTEC LIMITED	07/05/2010	DELHI
12	255207	169/DELNP/2007	05/08/2005	06/08/2004	SALTS OF BENZIMIDAZOLE DERIVATIVE	EISAI R & D MANAGEMENT CO., LTD.	03/08/2007	DELHI
13	255208	2089/DELNP/2007	24/08/2005	20/09/2004	SILANE, SILOXANE OR POLYSILOXANE MEROCYANINE SULPHONE COMPOUND	L'OREAL	04/05/2007	DELHI
14	255209	7765/DELNP/2007	27/09/2005	28/04/2005	EXTERNAL PREPARATION FOR SKIN	SBI ALAPROMO CO., LTD.	09/11/2007	DELHI
15	255211	5325/DELNP/2007	07/03/2006	16/03/2005	'A COATED SNACK PRODUCT AND A METHOD FOR PREPARING THE SAME'	FRITO-LAY TRADING COMPANY (EUROPE) GMBH	31/08/2007	DELHI
16	255235	2340/DEL/2006	27/10/2006	15/11/2005	A TERMINAL FITTING AND A CONNECTOR PROVIDED THEREWITH	SUMITOMO WIRING SYSTEMS, LTD.,	31/08/2007	DELHI
17	255240	532/DEL/2006	28/02/2006		PRCESS FOR PREPARING ENANTIOMERICALLY ENRICHED (S)-ETHYL 4-CHLORO-3-HYDROXY BUTYRATE	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	05/10/2007	DELHI
18	255241	951/DELNP/2006	11/08/2003	11/08/2003	A BOLT LOCKING ASSEMBLY FOR LOCKING A BOLT OF A WEAPON SIMULATOR	FATS, INC.	17/08/2007	DELHI
19	255243	3577/DELNP/2006	30/12/2004	08/01/2004	A COMPOUND DENOTED 4-(((6-(3-((1S,1AR,7BR)-4,7-DIFLUORO-1,1A,2,7B-TETRAHYDROCYCLOPROP[A]CHROMEN-1-YL)UREIDO)PYRIDIN-3-YL)OXY)BENZENESULFON AMIDE	MEDIVIR AB.	31/08/2007	DELHI
20	255244	3145/DELNP/2004	14/04/2003	12/04/2002	A ROCK BOLT	ROCK MECHANICS TECHNOLOGY LIMITED	09/10/2009	DELHI
21	255246	9253/DELNP/2007	06/06/2006	06/06/2005	A PRE-FORMULATION COMPRISING A LOW VISCOSITY MIXTURE	CAMURUS AB	18/01/2008	DELHI
22	255249	3532/DELNP/2004	09/05/2003	17/05/2002	MULTI-LAYER FILM AND MEDICINE CONTAINER USING THE SAME	OTSUKA PHARMACEUTICAL FACTORY, INC	09/10/2009	DELHI
23	255252	73/DELNP/2004	28/06/2002	29/06/2001	A METHOD AND A DEVICE FOR SECURING AND PROTECTING A STORAGE DEVICE	SECURE SYSTEMS LIMITED	24/02/2006	DELHI

24	255255	799/DELNP/2007	29/08/2005	02/09/2004	REMOVAL OF RESIDUAL ACETALDEHYDE FROM POLYESTER POLYMER PARTICLES	GRUPO PETROTEMEX S.A. DE C.V.	03/08/2007	DELHI
25	255256	3344/DELNP/2004	08/05/2003	09/05/2002	A RECORDING DEVICE FOR AUTOMATICALLY IDENTIFYING AND SELECTIVELY SKIPPING COMMERCIAL MESSAGE SEGMENTS OF A VIDEO SIGNAL	THOMSON LICENSING	09/10/2009	DELHI
26	255258	8572/DELNP/2007	09/05/2006	09/05/2005	METHOD FOR PURIFICATION OR ISOLATION OF A PLASMINOGEN OR A PROTEIN THAT IS A PLASMINOGEN ANALOGUE	PROMETIC BIOSCIENCES LTD.	27/06/2008	DELHI
27	255262	40/DEL/2006	04/01/2006		ORAL FORMULATIONS FOR ENAHANCING GASTRIC EMPTYING AND SPHINCTER RELAXATION INSTANTLY AND A PROCESS OF PREPARTATION THEREOF	DIRECTOR GENERAL , DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	31/08/2007	DELHI
28	255263	5888/DELNP/2006	04/04/2005	02/04/2004	ADSORBENT FOR AN ORAL ADMINISTRATION AND AGENT FOR TREATING OR PREVENTING RENAL OR LIVER DISEASE	KUREHA CORPORATION	27/04/2007	DELHI
29	255268	662/DEL/2001	13/06/2001	16/06/2000	AN ELECTRICAL SOCKET	LEGRAND	27/02/2009	DELHI

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1	255188	37/MUMNP/2008	06/07/2006	19/07/2005	PROCESS TO FORM FABRIC SOFTENING PARTICLE, PARTICLE OBTAINED AND ITS USE	HINDUSTAN UNILEVER LIMITED	15/02/2008	MUMBAI
2	255234	61/MUMNP/2009	29/06/2007	13/07/2006	A PROCESS FOR PREPARATION OF PHARMACEUTICAL COMPOSITION	UNILEVER PLC	15/05/2009	MUMBAI
3	255242	1653/MUM/2007	29/08/2007 15:16:51	21/09/2006	DEVICE FOR A SPINNING PREPARATION MACHINE AND A SPINNING PREPARATION MACHINE	RIETER INGOLSTADT GMBH	22/05/2009	MUMBAI
4	255248	2102/MUM/2007	24/10/2007		A PROCESS FOR SYNTHESIS OF PARA ISO PROPOXY METHYL BENZOATE	GUJARAT ORGANICS LTD	12/06/2009	MUMBAI
5	255254	558/MUMNP/2007	10/10/2005	08/10/2004	A METHOD FOR GENOTYPING A TARGET GENE SEQUENCE WITH INDUCED HETERODUPLEX GENERATORS	IHG PHARMACO LIMITED	17/08/2007	MUMBAI
6	255257	2099/MUMNP/2008	10/04/2007	11/04/2006	GLYCOSYLATED ANTIBODY	F.HOFFMANN-LA ROCHE AG	20/02/2009	MUMBAI
7	255264	2133/MUM/2007	29/10/2007		A GLASS MOUNTING BRACKET ASSEMBLY FOR VEHICLE AND METHOD OF ASSEMBLY THEREOF	TATA MOTORS LIMITED	14/12/2007	MUMBAI
8	255265	40/MUM/2009	07/01/2009		PVC PIPES, FITTINGS AND ARTICLE MADE OUT OF PVC REPAIRING POLYMER COMPOUND	VILAS NEMICHAND JAIN	06/05/2011	MUMBAI
9	255273	2792/MUMNP/2008	22/11/2006	06/06/2006	FLUOROALKYLOXYCOMB RETASTATIN DERIVATIVES, METHODS FOR PRODUCING SAME	ZHEJIANG DADE PHARMACEUTICAL GROUP CO. LTD.	20/02/2009	MUMBAI

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1	255197	3391/CHENP/2006	18/03/2005	18/03/2004	VACCINE COMPOSITIONS OBTAINED FROM STREPTOMYCES	INSTITUTO FINALY CENTRO DE INVESTIGATION- PRODUCTION DE & CENTRO DE QUIMICA FARMACEUTICA	15/06/2007	CHENNAI
2	255198	618/CHE/2008	12/03/2008 16:54:22	15/03/2007	EXHAUST GAS SENSOR INSTALLATION STRUCTURE FOR FOUR-CYCLE ENGINE	HONDA MOTOR CO., LTD.	11/09/2009	CHENNAI
3	255199	1352/CHENP/2007	02/08/2005	01/09/2004	SEALING MEANS FOR A CLOSURE, CLOSURE AND PROCESS	CREANOVA UNIVERSAL CLOSURES LTD.	31/08/2007	CHENNAI
4	255200	182/CHENP/2007	17/06/2005	17/06/2004	TRAILING BEAM SUSPENSION WITH ALIGNMENT ADJUSTMENT ASSEMBLY	THE HOLLAND GROUP, INC	24/08/2007	CHENNAI
5	255204	325/CHENP/2008	13/06/2006	21/06/2005	ADJUSTER OF STRING-END-FIXING PORTION OF ARTICLE	YKK CORPORATION	19/09/2008	CHENNAI
6	255205	3776/CHENP/2007	09/07/2004	10/07/2003	APPARATUS FOR PRESSURE FILLING PRODUCT INTO A BAG-ON-VALVE AEROSOL VALVE SYSTEM	PRECISION VALVE CORPORATION	28/03/2008	CHENNAI
7	255206	604/CHE/2008	11/03/2008 16:19:33	12/04/2007	VEHICLE WITH CABIN	KUBOTA CORPORATION	11/09/2009	CHENNAI
8	255212	2813/CHENP/2006	27/01/2005	30/01/2004	A PROCESS FOR THE PREPARATION OF SOLID POLYESTER GRANULES	DULUXGROUP (AUSTRALIA) PTY LTD.	08/06/2007	CHENNAI
9	255213	3592/CHENP/2006	24/03/2005	02/04/2004	AMPHIPHILIC BLOCK COPOLYMER-TOUGHENED THERMOSET RESINS	DOW GLOBAL TECHNOLOGIES,LLC,UNIVERSITY OF MINNESOTA	15/06/2007	CHENNAI
10	255214	4206/CHENP/2006	06/04/2005	15/04/2004	PROCESS FOR PHOTOCURING WITH LIGHT EMITTING DIODES	CIBA HOLDING INC.	22/06/2007	CHENNAI
11	255216	1199/CHENP/2006	08/10/2004	08/10/2003	INTEGRATED MICROPROCESSOR SYSTEM FOR SAFETY-CRITICAL REGULATIONS	CONTINENTAL TEVES AG & Co. oHG	17/08/2007	CHENNAI

12	255218	2880/CHENP/2006	02/02/2005	06/02/2004	METHOD FOR A DEVICE TO PARTICIPATE IN AN AD HOC COMMUNICATION	KONINKLIJKE PHILIPS ELECTRONICS N.V.,	06/07/2007	CHENNAI
13	255219	1115/CHENP/2008	31/08/2006	07/09/2005	A PROCESS FOR PREPARING OXAZOLIDINE PROTECTED AMINODIAOL COMPOUNDS AND THEIR CONVERSION TO FLORFENICOL	SCHERING-PLOUGH LTD	12/09/2008	CHENNAI
14	255220	3410/CHENP/2006	21/03/2005	19/03/2004	DEVICE FOR TRAPPING FLYING INSECTS	WOODSTREAM CORPORATION	10/08/2007	CHENNAI
15	255222	6009/CHENP/2007	15/06/2005	15/06/2005	METHOD FOR ALLOCATING COMMUNICATION RESOURCES	HUAWEI TECHNOLOGIES CO., LTD.	27/06/2008	CHENNAI
16	255223	2269/CHE/2007	08/10/2007 17:09:09		A CENTRE STAND ACTUATOR KIT FOR A LIGHTWEIGHT MOTORCYCLE, PARTICULARLY A SCOOTER	AKTIEBOLAGET SKF	11/09/2009	CHENNAI
17	255225	3188/CHENP/2004	30/06/2003	26/07/2002	PEELABLE LID STRUCTURE	CROWN PACKAGING TECHNOLOGY, INC.	03/03/2006	CHENNAI
18	255226	1799/CHE/2005	07/12/2005	08/12/2004	FLY SEWING MACHINE	YKK CORPORATION	09/05/2008	CHENNAI
19	255230	3998/CHENP/2006	26/04/2005	30/04/2004	GAS SEAL ASSEMBLY	AESSEAL PLC	06/07/2007	CHENNAI
20	255231	2183/CHENP/2004	04/04/2003	05/04/2002	A METHOD FOR REMOTELY CONTROLLING AND REGULATING A SYSTEM	ABB RESEARCH LTD	03/03/2006	CHENNAI
21	255233	2993/CHE/2007	14/12/2007 16:33:44	18/12/2006	EXHAUST GAS SENSOR MOUNTING STRUCTURE OF 4-CYCLE ENGINE	HONDA MOTOR CO., LTD.	11/09/2009	CHENNAI
22	255236	1955/CHE/2005	29/12/2005		A METHOD FOR GLOBAL POSITIONING SYSTEM (GPS) BASED NETWORK SELECTION DURING SERVICE ORIGINATION IN MULTI-RADIO ACCESS TECHNOLOGY (RAT) ENVIRONMENT	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	20/07/2007	CHENNAI
23	255237	1091/CHENP/2007	13/09/2005	15/09/2004	SOLID SANDSTONE DISSOLVER	SCHLUMBERGER TECHNOLOGY B.V	17/08/2007	CHENNAI
24	255238	618/CHE/2005	24/05/2005		METHOD FOR ESTABLISHING AN ASYMMETRIC BI-DIRECTIONAL LABEL SWITCHED PATH (LSP) IN AN MULTI PROTOCOL LABEL SWITCHING (MPLS) NETWORK	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/09/2007	CHENNAI

25	255239	1970/CHE/2005	30/12/2005		METHOD OF HANDLING A MOBILE ORIGINATED CALL DURING BACKGROUND SCAN FOR HOME PUBLIC LAND MOBILE NETWORK	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	27/07/2007	CHENNAI
26	255245	290/CHE/2007	09/02/2007 18:35:25		METHOD FOR ADJUSTING PAPERS IN A MULTI FUNCTIONAL PERIPHERAL (MFP)	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
27	255247	3794/CHENP/2006	31/03/2005	15/04/2004	METHOD FOR RECOVERY OF ETHYLENE IN A RECIRCULATING GAS PROCESS FOR THE PRODUCTION OF VINYL ACETATE	WACKER CHEMIE AG	06/07/2007	CHENNAI
28	255250	2897/CHENP/2004	25/06/2003	25/06/2002	REDUCED LATENCY FOR RECOVERY FROM COMMUNICATIONS ERRORS	QUALCOMM INCORPORATED	17/02/2006	CHENNAI
29	255251	3310/CHENP/2008	13/12/2006	29/12/2005	A PROCESS FOR SEPARATING PROPYLENE GLYCOL FROM AQUEOUS COMPOSITIONS	BASF SE,DOW GLOBAL TECHNOLOGIES LLC	06/03/2009	CHENNAI
30	255253	2949/CHENP/2005	20/01/2005	20/01/2004	SYNCHRONIZED BROADCAST/MULTICAST COMMUNICATION	QUALCOMM INCORPORATED	20/07/2007	CHENNAI
31	255259	621/CHE/2005	24/05/2005		A METHOD AND SYSTEM FOR RECYCLING PAPER FOR PRINT-OUTS	SAMSUNG INDIA SOFTWARE OPERATIONS PVT. LTD	21/09/2007	CHENNAI
32	255260	256/CHE/2006	17/02/2006		A PROCESS FOR THE PREPARATION OF PHENETHYLAMINE DERIVATIVE, AN INTERMEDIATE OF VENLAFAXINE HYDROCHLORIDE	HIKAL LIMITED	28/12/2007	CHENNAI
33	255261	1713/CHENP/2008	06/10/2006	06/10/2005	TIRE/WHEEL BEAD ENTRAPMENT REMOVER	ANDROID INDUSTRIES LLC	26/12/2008	CHENNAI
34	255266	1674/MAS/1996	23/09/1996	26/09/1995	PRODUCTION OF AMIDE DERIVATIVES AND INTERMEDIATES THEREFOR	JAPAN TOBACCO INC	04/03/2005	CHENNAI
35	255269	3266/CHENP/2006	01/03/2005	10/03/2004	ROLLER LEVELLER WITH VARIABLE CENTRE DISTANCE	ARCELOR FRANCE	15/06/2007	CHENNAI

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1	255190	4572/KOLNP/2007	23/05/2006	02/06/2005	CONTACT ARRANGEMENT	SIEMENS AKTIENGESELLSCHAFT	02/01/2009	KOLKATA
2	255192	1418/KOLNP/2004	19/03/2003	19/03/2002	A METHOD FOR PROVIDING LOCATION BASED SERVICES	MAP INFO CORPORATION	24/02/2006	KOLKATA
3	255210	2313/KOLNP/2007	21/11/2005	30/11/2004	FUEL CELL COMPONENT COMPRISING A COMPLEX OXIDE FORMING COATING	SANDVIK INTELLECTUAL PROPERTY AB ,TOPSOE FUEL CELL A/S	17/08/2007	KOLKATA
4	255215	1974/KOLNP/2006	08/02/2005	13/02/2004	OLEFIN POLYMERISATION PROCESS IN THE PRESENCE OF AN ANTI-FOULING AGENT.	TOTAL PETROCHEMICALS RESEARCH FELUY	18/05/2007	KOLKATA
5	255217	246/KOL/2006	23/03/2006		AN IMPROVED METHOD FOR HARDFACING MARTENSTIC STAINLESS STEEL CARRIED OUT BY SUBMERGED ARC WELDING (SAW) TECHNIQUE	BHARAT HEAVY ELECTRICALS LIMITED	12/10/2007	KOLKATA
6	255221	2749/KOLNP/2006	30/03/2005	31/03/2004	METHODS AND SYSTEMS FOR PROCESSING EMAIL MESSAGES.	GOOGLE INC	01/06/2007	KOLKATA
7	255224	2962/KOLNP/2006	17/03/2005	14/04/2004	A CUTTING TOOL WITH A CUTTING INSERT	ISCAR LTD.,	08/06/2007	KOLKATA
8	255227	1316/KOL/2007	21/09/2007 15:30:41		AN IMPROVED SEALING SYSTEM FOR ROTARY REGENERATIVE AIR PREHEATER TO REDUCE LEAKAGE OF HIGH PRESSURE AIR STREAM TO LOW PRESSURE GAS STREAM	BHARAT HEAVY ELECTRICALS LIMITED	10/04/2009	KOLKATA
9	255228	2034/KOLNP/2006	11/01/2005	15/01/2004	SEALING STRUCTURE COMPRISING A SLEEVE ELEMENT WITH A BIASABLE END REGION, APPARATUS AND METHOD USING SAME	MACROTECH POLYSEAL, INC.	18/05/2007	KOLKATA

10	255229	2174/KOLNP/2007	21/12/2005	22/12/2004	A DEVICE FOR FIXING A CONTACT WIRE OF AN OVERHEAD LINE CATENARY	SIEMENS AKTIENGESELLSCHAFT, NKT CABLES GMBH	17/08/2007	KOLKATA
11	255232	1726/KOLNP/2007	04/11/2005	05/11/2004	PROCESS FOR PREPARING 4-(N-ALKYLAMINO)-5, 6-DIHYDRO-4H-THEINO-[2,3-B]-THIOPYRANS	RAGACTIVES, S.L.	27/07/2007	KOLKATA
12	255267	1173/KOLNP/2006	22/12/2003	17/11/2003	REMOTE-CONTROLLABLE TIME-BASED POWER CONTROL APPARATUS	KIM, YOUNG-SOO	27/04/2007	KOLKATA

***CONTINUED TO PART- 2***