

CONTINUED FROM PART- 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.102/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONJUGATED POLYMERIC SYSTEMS AND APPLICATIONS THEREOF

(51) International classification :C08G61/12,C08K3/04,C08K7/06

(31) Priority Document No :61/363,430

(32) Priority Date :12/07/2010

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

(86) International Application
No :PCT/US2011/043690

Filing Date :12/07/2011

(87) International Publication
No :WO 2012/009344

(61) Patent of Addition to
Application Number :NA

Filing Date :NA

(62) Divisional to Application
Number :NA

Filing Date :NA

(71)Name of Applicant :

1)WAKE FOREST UNIVERSITY

Address of Applicant :391 Technology Way, Suite 199,
Winston-Salem, NC 27101 United States of America

(72)Name of Inventor :

1)CARROLL, David, L.

(57) Abstract :

In some embodiments, conjugated polymers and oligomers are described herein, which can demonstrate white light or substantially white light emission, thereby reducing or precluding reliance on layered or blended polymer constructions for organic white light emitting devices.

No. of Pages : 133 No. of Claims : 30

(54) Title of the invention : THREAD-LAYING DEVICE AND METHOD OF MANUFACTURING A BOBBIN WOUND WITH YARN

(51) International classification :B65H54/28
 (31) Priority Document No :102011083104.5
 (32) Priority Date :21/09/2011
 (33) Name of priority country :Germany
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :**1)SSM SCHÄRER SCHWEITER METTLER AG**Address of Applicant :NEUGASSE 10-8812 HORGEN,
SWITZERLAND**(72)Name of Inventor :****1)MARCEL CHRISTE****2)ROMAN PHILIPP****(57) Abstract :**

The invention relates to a thread-laying device (10) for use during the manufacture of a bobbin (18) wound with yarn, which has a spool shaft (20) extending along a bobbin longitudinal axis (22) and a conical foot plate (24) located at the spool shaft (20). The thread laying device has a bobbin mounting plate (16) and a yarn guide (32), which during winding rests on the bobbin (18) or on a yarn layer located on the bobbin (18). The yarn can be wound on the bobbin (18) by means of the yarn guide (32) in axially displaced yarn layers. Control equipment (42) serves for controlling the winding. The yarn guide (32) can be moved back and forth for forming the respective yarn layers facing the bobbin mounting plate (16) by means of an oscillating movement (38) along the bobbin longitudinal axis (22). A foot disk-side end position (40) of the oscillating movement of the yarn guide (32) and the foot plate (24) of the bobbin (18) during winding along the bobbin longitudinal axis (22) can be advanced by a feed motion (46) of the yarn guide (32), superimposed to the oscillating movement (38) of the yarn guide and the bobbin (18) relative to one another. The control equipment (42) is programmed to keep constant the relative speed of the yarn guide (32) resulting from the oscillating movement (38) and the feed motion (46) facing the bobbin (18). Further the invention relates to a method of manufacturing the aforementioned bobbin (18).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1147/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :14/09/2009

(43) Publication Date : 28/06/2013

(54) Title of the invention : EFFICIENT METHOD FOR THE EMULSION POLYMERIZATION OF STYRENE MONOMER IN SUPERCRITICAL CARBON DIOXIDE USING (TRIFLUOROMETHYL) UNDECA-FLUOROCYCLOHEXANE STABILIZER

(51) International classification	:C08F4/32	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SWAPAN KUMAR DOLUI
(32) Priority Date	:NA	Address of Applicant :PROF S. K. DOLUI, DEPT. OF
(33) Name of priority country	:NA	CHEMICAL SCIENCES, TEZPUR UNIVERSITY, NAPAAM,
(86) International Application No	:NA	TEZPUR 784028 Assam India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ISHA R. KAMRUPI
(61) Patent of Addition to Application Number	:NA	2)SWAPAN KUMAR DOLUI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Successful emulsion polymerization of styrene monomers in supercritical carbon dioxide (sc-CO₂) using (trifluoromethyl)undecafluorocyclohexane (C₇F₁₄) as a stabilizer and azobisisobutyronitrile (AIBN) as initiator. The emulsion polymerization was carried out using different percentage of stabilizers (0.2%-10%), different initiator concentrations (0.1%-0.5%) and different pressures (2100-2500 psi). The polymers were characterized by GPC, SEM and TGA. The influence of different process parameters (stabilizer concentration, initiator concentration and pressure of CO₂) on conversion, molecular weight, particle size and polydispersity index was elaborately studied. Molecular weight of the polymer is in the range of 32,000 to 55,000g/mol, polydispersity is 1.43-2.33 and particle size in the range of 0.15/um- 1.0/um.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1147/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HEALD SHAFT WITH LIGHTWEIGHT SHAFT ROD.

(51) International classification	:D03C9/06	(71)Name of Applicant :
(31) Priority Document No	:11184019.5	1)GROZ-BECKERT KG.
(32) Priority Date	:05/10/2011	Address of Applicant :PARKWEG 2, 72458 ALBSTADT,
(33) Name of priority country	:EPO	GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHRISTIAN GERTH
(87) International Publication No	: NA	2)BERND PFEFFER
(61) Patent of Addition to Application Number	:NA	3)RALPH SIMMACK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The heald shaft in accordance with the invention comprises at least one shaft rod (14) consisting of light-weight material and at least one lateral support (16). They are connected with each other via a corner connection (20) that is based on a specifically configured receptacle (25). The receptacle (25) comprises at least one, preferably two, flat bodies (26, 27). The at least one flat body (26) is connected with two abutment elements (30, 31), one of these being held or mounted stationarily and the other being held or mounted so as to be at least minimally movable. The two abutment elements (30, 31) project beyond the face-side edge (33) of the flat body (26) at different distances. A tension means (35) becomes active between the two abutment elements (30, 31), said tension means being disposed to tension the shorter abutment element (31) toward the longer abutment element (30) so as to clamp an extension (42) of the lateral support (16) in place between the abutment elements (30, 31). The flat body (26) transmits forces between the lateral support (16) and the shaft rod (14), said forces acting over a large surface on said shaft rod.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.103/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : DIE FORMED LOLLIPOP FILLED WITH CHOCOLATE AND METHOD OF MANUFACTURE THEREOF

(51) International classification :A23G3/00,A23G3/56,A23G3/54
(31) Priority Document No :10169437.0
(32) Priority Date :13/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061878
Filing Date :12/07/2011
(87) International Publication No:WO 2012/007471
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)PERFETTI VAN MELLE S.P.A.
Address of Applicant :Via XXV Aprile, 7, I-20020 Lainate
(MI) Italy
(72)Name of Inventor :
1)BOTTINI, Alessandro
2)HERNANDEZ TANTINA, Jorge

(57) Abstract :

The present invention concerns die formed lollipops filled with chocolate and method of manufacture thereof.

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1094/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LOW PRESSURE WATER FILTER CASSETTE

(51) International classification	:C02F1/00	(71)Name of Applicant :
(31) Priority Document No	:61/538,665	1)LIQUIDITY INC
(32) Priority Date	:23/09/2011	Address of Applicant :1020 ATLANTIC AVE-SUITE 100
(33) Name of priority country	:U.S.A.	ALAMEDA, CA 94501 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHAVANNE, SYLVIE
(87) International Publication No	: NA	2)HAWES, MICHAEL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A water filter cassette for use in a gravity-fed household water filtration system. The cassette is comprised of a series of planar rectangular frames each frame adapted for filtration of a particular contaminant.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1095/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AGILE CLOCKING WITH RECEIVER PLL MANAGEMENT

(51) International classification	:H03L7/08	(71)Name of Applicant :
(31) Priority Document No	:61/559,339	1)APPLE INC.
(32) Priority Date	:14/11/2011	Address of Applicant :1 INFINITE LOOP, CUPERTINO, CA
(33) Name of priority country	:U.S.A.	95014 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TRIPATHI, BRIJESH
(87) International Publication No	: NA	2)MILLET, TIMOTHY J
(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 apparatus for changing a frequency of a clock signal to avoid interference is disclosed. In one embodiment, data conveyed on a first interface is synchronized to a clock signal at a first frequency. Signals are conveyed on a second interface at another frequency. Responsive to a change of the frequency at which signals are conveyed on a second interface, a clock control unit associated with the first interface initiates a change of the clock signal to a second frequency. The second frequency may be chosen as to not cause interference with the frequency at which signals are conveyed on the second interface. The change of the clock frequency may be performed in such a manner as to prevent spurious activity on the clock line of the interface.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1157/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR OPERATING A VORTEX FLOWMETER DEVICE

(51) International classification	:G01F1/36
(31) Priority Document No	:102011116282.1
(32) Priority Date	:19/10/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)KROHNE MESSTECHNIK GMBH
Address of Applicant :LUDWIG-KROHNE-STRASSE 5,
47058 DUISBURG, GERMANY
(72)**Name of Inventor :**
1)KAI GOSSNER

(57) Abstract :

Described and shown is a method for operating a vortex flowmeter device for measuring the flow of a fluid that flows through a measuring tube, with at least one baffle (1) arranged in the measuring tube for producing eddies in the fluid, at least one first sensor (2a) and at least one second sensor (2b) for measuring the pressure fluctuations in the fluid that accompany the eddies, and with a signal-processing device (3) for processing the signals x1 of the first sensor (2a) and the signals x2 of the second sensor (2b), whereby the signals x1 of the first sensor (2a) produced by the pressure fluctuations are in phase opposition to the signals x2 of the second sensor(2b) produced by the pressure fluctuations, whereby a wanted signal yd reproducing the flow is the deviation from a first signal y1 derived from the signal of the first sensor (2a) and from a second signal y2 derived from the signal of the second sensor(2b), and whereby the same-phase interfering signals superimposed on the antiphase sensor signals are eliminated by subtraction. In an efficient and economical way, the method achieves an elimination of the effect of interfering signals of the same phase position and in particular the same amplitude, by the first signal y1 being obtained by multiplication of the signal x1 of the first sensor with a correction factor v, and the second signal y2 being obtained by multiplication of the signal x2 of the second sensor with a correction factor w, by the deviation between the first signal y1 and the second signal y2 being formed as wanted signal yd, and a sum signal ys being formed from the sum of the first signal y1 and the second signal y2, by the correlation between the wanted signal yd and the sum signal ys being determined, and by the correlation by variation of the correction factors v and w being minimized, whereby the minimum correlation means a minimum content of the wanted signal yd on same-phase interfering signals.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1097/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :25/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : IRON-BASED SINTERED SLIDING MEMBER AND PRODUCTION METHOD THEREFOR

(51) International classification	:B32B15/02	(71)Name of Applicant :
(31) Priority Document No	:2011-218275	1)HITACHI POWDERED METALS CO.,LTD.
(32) Priority Date	:30/09/2011	Address of Applicant :2-1,MINORIDAI 5-CHOME,
(33) Name of priority country	:Japan	MATSUDO-SHI, CHIBA 270-2295 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)FUKAE, DAISUKI
(87) International Publication No	: NA	2)KAWATA,HIDEAKI
(61) Patent of Addition to Application Number	:NA	3)TOKUSHIMA,HIDEKAZU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An iron-based sintered sliding member and a production method therefor are provided. In the iron-based sintered sliding member, the amount of Cu is decreased so as to decrease the production cost, and sulfides are dispersed and are firmly fixed to a matrix. The iron-based sintered sliding member consists of, by mass %, 0.1 to 10 % of Cu, 0.2 to 2.0 % of C, 0.03 to 0.9 % of Mn, 0.52 to 6.54 % of S, and the balance of Fe and inevitable impurities. The iron-based sintered sliding member satisfies the following First Formula in which [S%] represents mass % of S and [Mn%] represents mass % of Mn in the overall composition. The iron-based sintered sliding member exhibits a metallic structure in which pores and sulfide particles are dispersed in the matrix that includes a martensite structure at not less than 50 % by area ratio in cross section. The sulfide particles are dispersed at 3 to 30 vol. % with respect to the matrix. First Formula $[S\%] = 0.6 \times [Mn\%] + 0.5$ to 6.0.

No. of Pages : 45 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1098/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :25/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM TO MONITOR AND CONTROL ENERGY

(51) International classification	:B60R
(31) Priority Document No	:13/245,236
(32) Priority Date	:26/09/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)EC INFOSYSTEMS, INC.

Address of Applicant :50 CHARLES LINDBERGH
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(72)Name of Inventor :

1)WANCHOO, MOHAN

2)SHAH, NIRAV, J.

3)SLATTERY, GARY

4)LEOPOLD, DAVID, L.

5)MERVOSH, NICHOLAS

6)STRAUTMAN, RICHARD

(57) Abstract :

A system to monitor and control energy usage includes at least one consumer system and a control center that communicates with the at least one consumer system via the internet. Each consumer system includes a private network, at least one smart device that is configured to provide usage data across the private network, and a console. The console creates the private network, receives the usage data across the private network, sends the usage data across a communication channel, and enables a local user to control the at least one smart device and monitor energy usage of the at least one smart device. The control center is configured to receive the usage data across the communication channel from each console for storage thereon and enables a user remote to the consumer systems to control the smart devices and monitor energy usage of the smart devices.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1163/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR OPTIMIZING A CAST COMPONENT WITH HETEROGENEOUS STRUCTURE.

(51) International classification	:G06F8/30	(71)Name of Applicant :
(31) Priority Document No	:EP11189887	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:21/11/2011	Address of Applicant :WITTELSBACHERPLATZ 2 80333
(33) Name of priority country	:EPO	MÜNCHEN GERMANY
(86) International Application No	:NA	2)WINERGY AG
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ARNO KLEIN-HITPASS
(61) Patent of Addition to Application Number	:NA	2)JEAN-ANDRE MEIS
Filing Date	:NA	3)MICHAEL TENBRINK
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for optimizing a cast component (100) with heterogeneous structure while taking into account requirements in respect of a local hardness (102) for the purpose of manufacturing a cast component (100), comprising the following method steps: a. computer-based simulation (104) of a prototype (106) of the cast component with specification of characteristic values for mechanical stress (108) and a required local hardness (102) of the cast component (100), b. virtual stress analysis (110) of the simulated prototype (106) for the cast component (100) in order to determine a simulated local hardness (112) of the cast component (100), wherein a tensile yield point (114) and a tensile strength (116) of local points of the prototype (106) are simulated, wherein the simulated local hardness (112) is obtained from the tensile yield point (114) and/or the tensile strength (116), wherein weaknesses (118) in the prototype (106) are detected by comparison of the local hardness (102) and the simulated local hardness (112), wherein the weaknesses are identified in that a first tolerance limit (120) of the local hardness is exceeded (112), c. repetition of steps a to b until compliance with the predefined limit values is achieved, wherein the prototype (106) is optimized in respect of local hardness (112), d. calculation of local structural changes in the optimized prototype following the action of the mechanical stress (122), wherein the simulated local hardness (112) is included in the calculation, wherein in order to avoid the structural changes (124) the optimized prototype (106) is optimized further by adjusting the required local hardness (112) and/or modifying a microstructure (126) and/or adapting a geometric shape (128) of the prototype (106), e. repetition of steps a to d until all of the structural changes (124) lie within predefined second tolerance limits.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1087/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMPOSITIONS AND METHODS RELATED TO DEOXYCHOLIC ACID AND ITS POLYMORPHS

(51) International classification	:A61K31/56	(71) Name of Applicant :
(31) Priority Document No	:61/538,084	1)KYTHERA BIOPHARMACEUTICALS, INC.
(32) Priority Date	:22/09/2011	Address of Applicant :27200 WEST AGOURA ROAD,
(33) Name of priority country	:U.S.A.	SUITE 200, CALABASAS, CA 91301 UNITED STATES OF
(86) International Application No	:NA	AMERICA
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)PFEIFFER, STEVEN
(61) Patent of Addition to Application Number	:NA	2)SUN, XUFENG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein are polymorphic forms of deoxycholic acid (DCA).

No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1089/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SPRAY TYPE DEAERATOR

(51) International classification	:B01D19/00	(71)Name of Applicant :
(31) Priority Document No	:11182915.6	1)STORK THERMEQ B.V.
(32) Priority Date	:27/09/2011	Address of Applicant :12, LANGELEERMAATWEG, 7553 JD
(33) Name of priority country	:EPO	HENGLO THE NETHERLANDS
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)AVERESCH, JAN JOHAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for treating water of the spray type, such as a deaerator or preheater. According to the invention the connection between the vessel (12) and the sprayer (34) and the supply of water to be treated comprises a pipe section (40) having a first open end in fluid communication with a treatment chamber and a second open end provided with a first flange (60) for connecting to a sprayer (34), the sprayer (34) comprising a sprayer flange (68) connected to said first flange (60), the sprayer flange (68) carrying the sprayer (34), which is in fluid communication with a connecting pipe (72) at one end thereof, the connecting pipe (72) extending through the first flange (60) to a coupling flange (74) for connection to the supply of water to be treated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1150/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FUEL TANK

(51) International classification	:B62J35/00
(31) Priority Document No	:102011117489.7
(32) Priority Date	:27/10/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :ROBERT-KOCH-STRASSE 1, D-82024 TAUFKIRCHEN, GERMANY

(72)Name of Inventor :

1)WALTER SCHWARTING

2)Sylvain Go«k

(57) Abstract :

A fuel tank for the simultaneous storage of liquids, which are driven out of the tank by a pressure gas, and which is especially suitable for a use in spacecraft, is constructed as a membrane tank, whereby the membrane consists of a polymer material. The membrane is held by means of a spring ring in an inner recess of the outer wall of the tank, whereby the cross-section of the spring ring comprises approximately the shape of a C.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1227/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LUMINAIRE CONTROL

(51) International classification	:H04W88/00	(71)Name of Applicant :
(31) Priority Document No	:01742/11	1)REGENT BELEUCHTUNGSKÖRPER AG
(32) Priority Date	:28/10/2011	Address of Applicant :DORNACHERSTRASSE 390 4018
(33) Name of priority country	:Switzerland	BASEL SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MARTI, ANDREAS
(87) 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 :

Luminaire control for a multiplicity of mobile luminaires is carried out by means of a transmitting and receiving unit arranged on each luminaire. When switching on a luminaire, signals are transmitted due to which the receiving units of the other luminaires of the system determine their distance from the switched-on luminaire and switch on with a lighting behavior, e.g., brightness, color temperature, daytime dependent lighting change, etc., that depends on the determined distance.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1228/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MAGNETIC DRIVE PUMP

(51) International classification	:F04D29/02	(71)Name of Applicant :
(31) Priority Document No	:100140138	1)ASSOMA INC.
(32) Priority Date	:03/11/2011	Address of Applicant :NO. 10,ALY.14, LN. 15,SANDE ST.,
(33) Name of priority country	:Taiwan	LUZHU TOWNSHIP, TAOYUAN COUNTY, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHIEN, HUAN-JAN
(87) International Publication No	: NA	2)WANG,CHIN-CHENG
(61) Patent of Addition to Application Number	:NA	3)SHIH, CHIH-HSIEN
Filing Date	:NA	4)SHIH, CHIH-KUAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure offers a sealless magnetic drive pump for improving the stiffness of a stationary shaft, and more particularly to, a metal magnetic drive pump with an anti-corrosion casing liner. The magnetic drive pump is used in manufacture processes related to corrosive fluid. The pump is especially used in a highly corrosive and high-temperature (up to 200) condition to improve the stiffness of a front support. The stationary shaft includes a metal front support integrated with the pump casing at a pump inlet and encapsulated with a resin enclosure made of a fluoropolymer; a rear shaft seat positioned on a sealed bottom side of a containment shell for offering auxiliary support for the stationary shaft; an impeller including a channel for reducing an inlet flow velocity to offer a low NPSHr.

No. of Pages : 49 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1229/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PERMANENT MAGNET CANNED MOTOR PUMP WITH CORROSION-PROTECTION HOUSING

(51) International classification	:F04D13/06	(71)Name of Applicant :
(31) Priority Document No	:100140554	1)ASSOMA INC.
(32) Priority Date	:07/11/2011	Address of Applicant :NO. 10,ALY.14, LN. 15,SANDE ST.,
(33) Name of priority country	:Taiwan	LUZHU TOWNSHIP, TAOYUAN COUNTY, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHIEN, HUAN-JAN
(87) International Publication No	: NA	2)WANG,CHIN-CHENG
(61) Patent of Addition to Application Number	:NA	3)SHIH, CHIH-HSIEN
Filing Date	:NA	4)SHIH, CHIH-KUAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A permanent magnet canned motor pump features in its corrosion-protection housing which comprises a reinforced bracket, motor casing and a motor rear casing. The reinforced bracket is made of corrosion-resistance plastic and the motor casing and the motor rear casing are made of aluminum alloy. Accordingly, the corrosion-protection housing is capable of preventing the corrosion of the chemical liquid to the aluminum alloy components. Beside, the permanent magnet canned motor pump provides a heat dissipation mechanism while meets the structural need of the corrosion-protection housing, so that the motor can dissipate heat in a sufficient rate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1156/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FRAGRANCES WITH NOTE OF LILY OF THE VALLEY

(51) International classification	:C07C45/58	(71) Name of Applicant :
(31) Priority Document No	:11 184	1)SYMRISE AG
(32) Priority Date	441.1	Address of Applicant :MÜHLENFELDSTRASSE 1 37603
(33) Name of priority country	:07/10/2011	HOLZMINDEN GERMANY
(86) International Application No	:EPO	(72) Name of Inventor :
Filing Date	:NA	1)SINGER, EMILIE
(87) International Publication No	: NA	2)HÖLSCHER, BERND
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A compound of formula (I) is described and use thereof as fragrance, especially as lily-of-the-valley fragrance and/or as an agent for increasing the substantivity and/or the retention of a fragrance preparation and/or as a fixative.

No. of Pages : 95 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1230/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PORTABLE DEVICES AS VIDEOCONFERENCING PERIPHERALS

(51) International classification	:H04N7/15	(71)Name of Applicant :
(31) Priority Document No	:13/282,582	1)POLYCOM,INC
(32) Priority Date	:27/10/2011	Address of Applicant :6001 AMERICA CENTER DRIVE,
(33) Name of priority country	:U.S.A.	SEN JOES, CA 95164 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHU,PETER L
(87) International Publication No	: NA	2)SAI,KRISHNA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A videoconferencing system has a videoconferencing unit that use portable devices as peripherals for the system. The portable devices obtain near-end audio and send the audio to the videoconferencing unit via a wireless connection. In turn, the videoconferencing unit sends the near-end audio from the loudest portable device along with near-end video to the far-end. The portable devices can control the videoconferencing unit and can initially establish the videoconference by connecting with the far-end and then transferring operations to the videoconferencing unit. To deal with acoustic coupling between the unit's loudspeaker and the portable device's microphone, the unit uses an echo canceller that is compensated for differences in the clocks used in the A/D and D/A converters of the loudspeaker and microphone.

No. of Pages : 33 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1231/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMPENSATING FOR DIFFERENT AUDIO CLOCKS BETWEEN DEVICES USING ULTRASONIC BEACON

(51) International classification	:H03G5/00	(71)Name of Applicant :
(31) Priority Document No	:13/282,633	1)POLYCOM,INC
(32) Priority Date	:27/10/2011	Address of Applicant :6001 AMERICA CENTER DRIVE,
(33) Name of priority country	:U.S.A.	SEN JOES, CA 95164 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHU,PETER L
(87) International Publication No	: NA	2)LIU,YIBO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A videoconferencing system has a videoconferencing unit that use portable devices as peripherals for the system. The portable devices obtain near-end audio and send the audio to the videoconferencing unit via a wireless connection. In turn, the videoconferencing unit sends the near-end audio from the loudest portable device along with near-end video to the far-end. The portable devices can control the videoconferencing unit and can initially establish the videoconference by connecting with the far-end and then transferring operations to the videoconferencing unit. To deal with acoustic coupling between the unit's loudspeaker and the portable device's microphone, the unit uses an echo canceller that is compensated for differences in the clocks used in the A/D and D/A converters of the loudspeaker and microphone.

No. of Pages : 31 No. of Claims : 25

(54) Title of the invention : CONVEYOR DEVICE

(51) International classification	:B65G15/60	(71)Name of Applicant :
(31) Priority Document No	:2011-253433	1)NAKANISHI METAL WORKS CO., LTD.
(32) Priority Date	:21/11/2011	Address of Applicant :3-3-5,TENMABASHI,KITS-KU,
(33) Name of priority country	:Japan	OSAKA-SHI, OSAKA 530-8566 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)UCHIBORI,TOSHIYUKI
(87) International Publication No	: NA	2)KUWAHARA, MINORU
(61) Patent of Addition to Application Number	:NA	3)SATO,HIROYUKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a conveyor device which, is capable of forming a continuous working floor on which a worker rides and performs a parts assembly operation even in a curved path and also capable of reliably forming the working floor in which it is not necessary to stop a work line when performing loading and unloading operations of a conveyance object. Each of the conveyance carriages 1 is composed of a carriage body and a connection carriage body which is located at a front side or a rear side of the carriage body and connected to the carriage body so as to be relatively turnable with respect thereto about the vertical axis, top surfaces of the carriage body and the connection carriage body are located on substantially the same horizontal plane, the conveyance carriages 1 are connected to each other by connection means which connects the conveyance carriages 1 in front-rear relation to thereby constitute a conveyance carriage group A which is placed in a conveyance path including a curved path C1, a work line L1 on which the parts assembly operation is performed while conveying the conveyance carriage group A at a constant speed is constituted, a return line L2 on which one of the conveyance carriages 1 at a front end of the conveyance carriage group A is separated, conveyed at a high speed and connected to a rear end of the conveyance carriage group A is provided, and, on the return line L2, loading and unloading operations of a conveyance object W are performed with respect to the single conveyance carriage 1.

No. of Pages : 46 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : DEVICE FOR REMOVING MOISTURE FROM A HYDRAULIC MEDIUM

(51) International classification	:F15B21/04
(31) Priority Document No	:10 2010 025 736.2
(32) Priority Date	:01/07/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/002403
Filing Date	:14/05/2011
(87) International Publication No	:WO 2012/000584
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)HYDAC FILTER SYSTEMS GMBH
Address of Applicant :Industriegebiet, 66280 Sulzbach/Saar,
GERMANY
(72)**Name of Inventor :**
1)KLEBER, Jrg
2)WILHELM, Andreas

(57) Abstract :

The device according to the invention for removing moisture from a hydraulic medium (2) with at least one gaseous drying medium (3) is characterized in that the drying medium (3) is air and/or some other working gas with corresponding moisture absorption capability, said drying medium being conducted by means of a delivery device (4) from an area surrounding the hydraulic medium (2) to the hydraulic medium (2) when the moisture content of the respective gaseous drying medium (3) is lower than the degree of water saturation of the hydraulic medium (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1101/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VORTEX FLOW METER

(51) International classification	:F01D
(31) Priority Document No	:102011119981.4
(32) Priority Date	:02/12/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KROHNE MESSTECHNIK GMBH

Address of Applicant :LUDWIG-KROHNE-STRASSE 5,
47058 DUISBURG, GERMANY

(72)Name of Inventor :

1)KAI GOSSNER

(57) Abstract :

A vortex flow meter (1) is described and represented, comprising a measurement tube (2) through which a medium can flow, an obstacle (3) provided in the measurement tube (2) for generating vortices in the medium, and comprising a deflection body (4) which is provided in the region of action of the obstacle (3) and can be deflected by the pressure variations associated with the vortices in the medium. A vortex flow meter without cabled connection between the medium-filled space in the measurement tube and the medium-free space outside the measurement tube is produced in that at least one magnetic field generating device (5a, 5b) arranged outside the measurement tube (2) generates a magnetic field in the region of the deflection body (4), in that the deflection body (4) has a different magnetic permeability from the medium and influences the magnetic field, and in that at least one magnetic field registering device (6, 6a, 6b) for registering the magnetic field in the region of the deflection body (4) is arranged outside the measurement tube (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1166/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : A TELESCOPIC HYDRAULIC CYLINDER

(51) International classification	:F15B15/16
(31) Priority Document No	:EP11185968.2
(32) Priority Date	:20/10/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)HYVA HOLDING B.V.
Address of Applicant :POSTBUS 347, 2400 AH ALPHEN
AAN DE RIJN, THE NETHERLANDS
(72)**Name of Inventor :**
1)VAN DER HEIDE, ROLF

(57) Abstract :

The invention concerns a telescopic hydraulic cylinder, comprising an inner cylindrical tube and an outer cylindrical tube located concentrically about the inner cylindrical tube, and a guide ring for guiding the inner and outer cylindrical tubes, the guide ring has a cylindrical support surface with a centre line and a guide surface and is mounted in a cylindrical groove. The guide surface slides along the inner surface of the outer cylindrical tube or the outer surface of the inner cylindrical tube. In accordance with the invention the guide surface has a curved surface with a curve radius and a tangent and the tangent to the curved surface and the centre line form an inclination angle; wherein the inclination angle is between zero and five degrees and the curve radius is larger than the radius of the guide ring in the plane perpendicular to the centre line.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1167/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONSTRUCTION APPARATUS

(51) International classification	:G06F2217/02	(71)Name of Applicant :
(31) Priority Document No	:EP/11008403.5	1)BAUER MASCHINEN GMBH
(32) Priority Date	:19/10/2011	Address of Applicant :BAUER-STR.1, 86529
(33) Name of priority country	:EPO	SCHROBENHAUSEN, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LANZL, MARTIN
(87) International Publication No	: NA	2)ANGERMEIER, MANFRED
(61) Patent of Addition to Application Number	:NA	3)HAAS, JOSEF
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a construction apparatus having a carrier vehicle and a mast supported in a pivotable manner on the carrier vehicle for guiding a work sledge. In the region of a pivot joint between the mast and the carrier vehicle at least two mechanical indication elements are provided, which can be moved relative to each other through a pivoting of the mast relative to the carrier vehicle and which indicate an inclination of the mast relative to the carrier vehicle.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1243/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DEVICE AND METHOD FOR INTERFEROMETRIC MEASURING OF AN OBJECT

(51) International classification	:G01B11/14	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)POLYTEC GMBH
(32) Priority Date	085 599.8	Address of Applicant :POLYTEC. PLATZ 1-7, 76337
(33) Name of priority country	:02/11/2011	WALDBRONN, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)SCHUSSLER, MATTHIAS
(87) International Publication No	:NA	2)REMBE CHRISTIAN
(61) Patent of Addition to Application Number	:NA	3)DRABENSTEDT, ALEXANDER
Filing Date	:NA	4)KOWARSCH, ROBERT
(62) Divisional to Application Number	:NA	5)OCHS WANJA
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for the interferometric measuring of an object, comprising a light source to generate an emitted beam, a beam splitting device for splitting the emitted beam into a measuring beam and a first reference beam, an optic interference device, and a first detector, with the interference device and the first detector being embodied cooperating such that the measuring beam, at least partially reflected by the object, and the first reference beam are interfered on at least one detector area of the first detector. The invention is characterized in that the beam splitting device is embodied to split the emitted beam into a measuring beam, a first reference beam, and at least a second reference beam, that the device comprises at least a second detector, and the interference device and the second detector are embodied cooperating such that the measuring beam, at least partially scattered by the object, and the second reference beam are interfered on at least one detector area of the second detector. The invention furthermore relates to a method for the interferometric measuring of an object.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1302/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POWER/GRANULAR MATERIAL FEEDING DEVICE

(51) International classification	:G01G11/04	(71)Name of Applicant :
(31) Priority Document No	:2011-268449	1)KUBOTA CORPORATION
(32) Priority Date	:08/12/2011	Address of Applicant :2-47,SHIKITSU-HIGASHI 1-CHOME,
(33) Name of priority country	:Japan	NANIWA-KU, OSAKA-SHI, OSAKA 556-8601 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NOBUYUKI OZAWA
(87) International Publication No	: NA	2)TSUNEYUKI SANADA
(61) Patent of Addition to Application Number	:NA	3)NOBUHISA HORIKIRI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A provided powder/granular material feeding device fully satisfies the function of sufficiently preventing bridges and ratholes and the function of favorably stabilizing the filling rate of an outlet portion. Moreover, the powder/granular material feeding device does not require consumable items such as a flexible chute or leave a large amount of powder/granular material in a specific region inside a chute. The powder/granular material feeding device includes: a hopper 1 that receives powder/granular material; an outlet portion 2 that discharges powder/granular material; a chute 3 that guides, into the outlet portion 2, powder/granular material dropped from the hopper 1; and a stirring part 4 that rotates stirring members 4b about a shaft 4a protruding so as to tilt diagonally upward from the lower part of the interior of the chute 3.

No. of Pages : 58 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1303/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :30/10/2009

(43) Publication Date : 28/06/2013

(54) Title of the invention : A NOVEL PROCESS FOR PREPARATION OF DARUNAVIR

(51) International classification	:C07D493/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LUPIN LIMITED

Address of Applicant :LUPIN LIMITED, 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.

(72)Name of Inventor :

1)AHIRE VIJAY

2)SASANE SACHIN

3)DESHMUKH AMOL

4)KUMBHAR KRISHNAT

5)BHATNAGAR AKSHAT

6)VERMA DEVENDRA

7)VYAS RAJESH

8)SINGH GIRIJ PAL

(57) Abstract :

The present invention provides a novel process for preparation of darunavir that involves reduction of [(1S,2R)-3-[(4-nitrophenyl)sulfonyl](2-methylpropyl)amino]-2-hydroxy -1- (phenylmethyl) propyl] carbamic acid (3R,3aS,6aR)-hexahydrofuro [2,3-b]furan-3-yl ester, of formula (5). The present invention also provides darunavir ethanolate of particle size wherein d_{0.9} is less than 130 µm,d_{0.5} is less than 30 µm,d_{0.1} is less than 10 µm and process for its preparation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1303/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LIQUID RETAINER, COOLING AND HEATING APPARATUS, AND LIQUID TRANSFER APPARATUS

(51) International classification	:A61F7/00	(71)Name of Applicant :
(31) Priority Document No	:2011-250270	1)LIGHT OPTICAL WORKS, LTD.
(32) Priority Date	:16/11/2011	Address of Applicant :3637, NAKASU, SUWA-CITY, NAGANO 3920015, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)IWANAMI, MASATOMI
Filing Date	:NA	2)URAI, KATSUJI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a liquid retainer having a simple structure capable of cooling and warming a part of a human body, predetermined devices, and the like. A liquid retainer includes: a pouch having water blocking properties and flexibility and formed into a pouch shape; and a three dimensional knit including: a plurality of mesh-like knit garments arranged substantially parallel to each other; and a plurality of coupling strands for coupling the plurality of mesh-like knit garments to each other. The plurality of coupling strands of the three-dimensional knit are made of elastic chemical fiber. The three-dimensional knit is formed into a substantially flat-plate-like shape and arranged in the pouch. Further, the three-dimensional knit retains liquid in the pouch.

No. of Pages : 65 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1304/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INSTALLATION SWITCHING DEVICE WITH ANTECHAMBER AND GUIDE RIBS

(51) International classification	:H01H9/34	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)ABB AG
(32) Priority Date	118 968.1	Address of Applicant :KALLSTADTER STR.1, 68309
(33) Name of priority country	:19/11/2011	MANNHEIM, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)JÜRGEN SCHMIDT
(87) International Publication No	: NA	2)THILO BAHLINGER
(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 installation switching device (1) having a housing (2), a contact arrangement in an antechamber (20), wherein the contact arrangement comprises a fixed (24) and a moving (29) contact piece, having an arc extinguishing chamber (19), having a first (21) and a second (25) arc guide rail which guide the switching arc which occurs at the contact arrangement during a switching operation into the arc extinguishing chamber (19), wherein the first arc guide rail (21) is associated with the fixed contact (24), wherein on at least part of the surface of the housing interior the antechamber (20) has a plurality of projecting guide ribs (30, 30, 30) which are arranged running in an elongated manner from the region of the contact arrangement approximately in the direction of travel of the switching arc to the region of the arc extinguishing chamber (19). On at least part of the surface of the housing interior, in the region of the fixed contact piece (24), the antechamber(20) has a projecting bridge (31) with an annular closed peripheral contour which is arranged between the guide rib (30) adjacent to the fixed contact piece (24) and the first arc guide rail (21) so that a gas circulation can form flowing around the bridge (31) between the guide rib (30) adjacent to the fixed contact piece (24) and the first arc guide rail (21).

No. of Pages : 17 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1127/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NEAR NET SHAPE MANUFACTURING OF RARE EARTH PERMANENT MAGNETS

(51) International classification	:B22F3/02
(31) Priority Document No	:61/540,737
(32) Priority Date	:29/09/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :300 GM RENAISSANCE CENTER,
DETROIT, MICHIGAN 48265-3000, UNITED STATES OF
AMERICA

(72)Name of Inventor :

1)EDWARD P. BECKER

2)YUCONG WANG

(57) Abstract :

A method of near net shaping a rare earth permanent magnet and a permanent magnet. The method includes introducing a magnetic material powder into a die, closing the die and shock compacting the powder in the die and sintering the compacted magnet powder to form the rare earth permanent magnet part. In one form, the magnetic material being subjected to compaction is a mixture made up of two or more different magnetic material powder precursors. Additional materials may be added to the mixture. One such additional material may be a lubricant to reduce the likelihood of cracking, while another may be a coating to provide oxidation protection of the mixture. Evacuation or inert environments may also be used either prior to or in conjunction with the sintering or related high-temperature part of the process.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1128/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GEAR TRAIN FOR A WIND TURBINE

(51) International classification	:F16H37/04
(31) Priority Document No	:EP11189480.4
(32) Priority Date	:17/11/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)WINERGY AG

Address of Applicant :AM INDUSTRIEPARK 2, 46562

VOERDE, GERMANY

(72)Name of Inventor :

1)MARKUS DEGELING

2)MANFRED MÖLLERS

(57) Abstract :

The invention relates to a gear train comprising at least one first planetary gear stage and one second gear train stage. A gear train housing enclosing the first planetary gear stage and second gear train stage is provided in addition. One end of a sun shaft of the first planetary gear stage is concentrically surrounded by a hollow shaft of the second gear train stage. The sun shaft of the first planetary gear stage is co-rotationally coupled to the hollow shaft by means of a denture clutch, the tooth system of which is arranged inside the hollow shaft. A lubricant feed ring is arranged at a front face of the hollow shaft facing toward the sun gear of the first planetary gear stage. The lubricant feed ring has a cone-shaped passage opening, the internal diameter of which decreases in the direction of the sun gear of the first planetary gear stage, and concentrically surrounds the sun shaft of the first planetary gear stage. At least one lubricant feed nozzle is aligned with a circumferential gap between the lubricant feed ring and the sun shaft of the first planetary gear stage.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1265/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR DETERMINING THE ORIENTATION OF TWO SHAFTS CONNECTED VIA TWO UNIVERSAL JOINTS AND A THIRD SHAFT IN THE PLANE OF THE THREE SHAFTS

(51) International classification	:G01B11/26	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)PRUEFTECHNIK DIETER BUSCH AG
(32) Priority Date	055 118.2	Address of Applicant :OSKAR-MESSTER-STR. 19-21 85737
(33) Name of priority country	:08/11/2011	ISMANING GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)LENZ, HANS
(87) 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 method for measuring and optionally correcting the angular offset of two shafts which are connected to one another by way of two universal joints and a third shaft calls for the measurement heads of an optoelectronic alignment device to be mounted in the shafts in exactly two measurement positions. These measurement positions are offset by 180° to one another and are located in the plane of the three shafts.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1342/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DISPLAY MODE-BASED INPUT KEY FUNCTION REASSIGNMENT IN A COMMUNICATION DEVICE

(51) International classification	:G06F3/041
(31) Priority Document No	:13/307,360
(32) Priority Date	:30/11/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MOTOROLA MOBILITY LLC

Address of Applicant :600 NORTH US HIGHWAY 45,
LIBERTYVILLE, ILLINOIS 60048 UNITED STATES OF
AMERICA

(72)Name of Inventor :

1)SEUCK JOSEPH W.

2)FORSYTH-MARTINEZ CINDY-KAY H.

3)SMITH RONALD R.

(57) Abstract :

A communication device is disclosed. The device includes a transceiver coupled to a controller, and a display having a user interactive touch-interface. The controller is configured to control a first function of the device upon actuation of a first switch when the display is in a first state and to control a second function. of the communication device in upon actuation of a second switch. The first switch is perceptible regardless of the state of the display, and second switch is perceptible when the display is in the first state but not the second state. The controller controls the second function in response to actuating the first switch when the display is in a second state.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1198/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :24/09/2009

(43) Publication Date : 28/06/2013

(54) Title of the invention : EARTHEN POT BASED PROTON EXCHANGER CUM ANODE CHAMBER AND MICROBIAL FUEL CELL (MFC) OBTAINED THEREOF

(51) International classification	:H01M8/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :SPONSORED RESEARCH &
(86) International Application No	:NA	INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF
Filing Date	:NA	TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
(87) International Publication No	: NA	INDIA.
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GHANGREKAR, MAKARAND MADHAO
(62) Divisional to Application Number	:NA	2)BEHERA, MANASWINI
Filing Date	:NA	3)JANA, PARTHA SARATHI

(57) Abstract :

A proton exchanger cum anode chamber adapted for applications in Microbial Fuel Cell (MFC) and the like particularly facilitating the construction of a cost-effective MFCcomprising of earthen material of any shape including pot/cylinder based proton exchanger cum anode chamber wherein the pores of the said earthen pot/ cylinder function as a membrane for transporting protons, a pre-requisite for a MFC. The said MFC is further directed to a simple and cost-effective manner of manufacturing a Microbial fuel cell involving said porous earthen material of any shapes including pots/ cylinders to serve variety of end applications/ uses including treatment of waste water and simultaneously recovering energy directly in the form of electricity for powering onsite low power devices for applications in both house hold and industrial purposes.

No. of Pages : 37 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1199/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AIR CONDITIONING DEVICE UTILIZING TEMPERATURE DIFFERENTIATION OF EXHAUSTED GAS TO EVEN TEMPERATURE OF EXTERNAL HEAT EXCHANGER

(51) International classification	:F25B27/00	(71)Name of Applicant :
(31) Priority Document No	:13/313,098	1)TAI-HER YANG
(32) Priority Date	:07/12/2011	Address of Applicant :NO.59, CHUNG HSING 8 ST., SI-HU
(33) Name of priority country	:U.S.A.	TOWN, DZAN-HWA, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TAI-HER YANG
(87) 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 cooling/heating air conditioning device for regulating temperature, which pumps an airflow exhausted from a space in an air conditioning object such as inside of a room or vehicle to the external through the external heat exchanger disposed at the external of the air conditioning object such as outside of the room or vehicle so as to equalize the temperature of the fluid flowing through the internal of the external heat exchanger by means of the temperature difference between the internal and external of the air conditioning object for achieving an energy saving effect.

No. of Pages : 100 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.127/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CHECKING A MAIN MEMORY OF A PROCESSOR

(51) International classification	:G06F11/267
(31) Priority Document No	:10 2010 027 287.6
(32) Priority Date	:16/07/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/061098
Filing Date	:01/07/2011
(87) International Publication No	:WO 2012/007295
(61) 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 München,
GERMANY
(72)Name of Inventor :
1)HILDNER Christian

(57) Abstract :

The invention relates to a method and an apparatus for checking a main memory (3) of a processor (1), comprising a cache memory (2) and a plurality of registers (R). According to the invention, before carrying out a memory test (T), a boot-up sequence which may be running at that time is interrupted, temporary data required for the memory test (T) is written to at least one register (6) and is held there, and the access from the cache memory (2) to the main memory (3) is activated. In this case, the access to the main memory (3) is carried out via the cache memory (2,5) such that bit patterns (BM) are written to the cache memory (2,5) and, via this, to the main memory (3), and are read out again from the main memory (3) via the cache memory (2) and are compared, wherein that area of the main memory (3) to be tested is larger than the size of the cache memory (2), and the boot-up sequence which was possibly interrupted before carrying out the memory test (T) is restarted or continued once the memory test (T) has been completed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1347/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :16/11/2009

(43) Publication Date : 28/06/2013

(54) Title of the invention : AN ONLINE MICRO-TOOL DIAMETER MEASURING SYSTEM FOR MICRO-ELECTROCHEMICAL /MICRO-ELECTRO DISCHARGE MACHINE

(51) International classification	:B23H3/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :SPONSORED RESEARCH &
(86) International Application No	:NA	INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF
Filing Date	:NA	TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
(87) International Publication No	: NA	INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DAS, ALOK KUMAR
(62) Divisional to Application Number	:NA	2)SAHA, PARTHA
Filing Date	:NA	

(57) Abstract :

The present invention relates to an online micro-tool diameter measuring system for micro- electrochemical/micro-electro-discharge machining set-up wherein the micro-tool is required to be manufactured in-situ before the actual machining operation can be carried out with it. The system automatically measures the reduction of diameter of the micro tool from time to time on demand or at equal intervals, without stopping the machine while the machining operation is carried out the machining operation is stopped automatically and when the diameter equals the desired diameter. Advantageously, the lead time for machining is reduced to a great extent. The micro-tool is machined in-situ eliminating handling and mounting problem. The numerical value of reduction in diameter is directly displayed on the computer screen eliminating human error. This system is suitable for different non contact micro tool based micromachining setup favouring wide application of such system in research laboratories / industry / commercial purposes etc based on user needs.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.101/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : CALCIUM PARTICLE-EMBEDDED, SNAP-TO-DOUGH, HIGH-VISCOSITY BONE CEMENT

(51) International classification :A61L24/04,A61L24/02,A61F2/28

(31) Priority Document No :61/367,591

(32) Priority Date :26/07/2010

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

(86) International Application No :PCT/US2011/045338

Filing Date :26/07/2011

(87) International Publication No :WO 2012/018612

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)WARSAW ORTHOPEDIC, INC.

Address of Applicant :2500 Silveus Crossing, Warsaw, Indiana 46581 United States of America

(72)Name of Inventor :

1)LEE, Samuel

2)MEYER, Joerg

3)WENZ, Robert

4)SLATER, Thomas A.

5)HEIKE, Ann M.

(57) Abstract :

The present invention relates to a composition comprising: a) a first component comprising a poly(methyl met 5 hacrylate) (PMMA), a contrast agent, a radical donor and calcium based particles; and b) a second component comprising methyl methacrylate (MMA), a radical scavenger, and a polymerization accelerator; wherein the composition has an average setting time of about 13 minutes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1142/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SUPPORT RING FOR ELECTRIC MACHINE ROTORS

(51) International classification	:F16C19/52	(71) Name of Applicant :
(31) Priority Document No	:13/331,361	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:20/12/2011	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, UNITED STATES OF
(86) International Application No	:NA	AMERICA
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)EDWARD I. KAISER
(61) Patent of Addition to Application Number	:NA	2)MICAH JOEL FUCHS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A support ring for a rotor having a core and a plurality of windings. The support ring includes an annular base, a plurality of fingers, and a plurality of loaded edges. The plurality of fingers extend radially outward from the annular base, and each generally corresponds to one of the windings. The plurality of loaded edges extend axially from the fingers and are disposed radially outward of the windings.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1286/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CLAMPING CHUCK

(51) International classification	:B23Q17/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)ZAHORANSKY AG
(32) Priority Date	118 638.0	Address of Applicant :ANTON-ZAHORANSKY-STR.1
(33) Name of priority country	:15/11/2011	79674 TODTNAU GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)DUFFNER ERICH
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a clamping chuck (1) for holding clamped a brush body (2), in particular a toothbrush body in its head region, including at least two clamping jaws (3a, 3b) spaced apart from one another in the longitudinal direction of the brush body (2) to be held, at least one of the clamping jaws (3b) is movable and is adjustable between an open position and a closed position which holds the brush body (2) clamped between the clamping jaws (3a, 3b). There is provided a brush body support (5) which is arranged between the clamping jaws (3a, 3b) and which is adjustable between a closed position acting on the rear side of the brush body (2) and an open position which is retracted with respect to said closed position. A common actuating mechanism (6) is provided for jointly adjusting the clamping jaw(s) (3b) and the brush body support (5) against a restoring force from the respective closed position into the open position.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1287/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ROTOR CORE, ROTOR, AND ROTATING ELECTRIC MACHINE.

(51) International classification	:H02K1/27	(71)Name of Applicant :
(31) Priority Document No	:2011-244621	1)KABUSHIKI KAISHA YASKAWA DENKI
(32) Priority Date	:08/11/2011	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(33) Name of priority country	:Japan	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-0004 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MORISHITA DAISUKE
(87) International Publication No	: NA	2)OCHIAI YUKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rotor core according to an embodiment has a plurality of magnet openings and cavity portions. The magnet openings are in juxtaposition with each other in a circumferential direction. Permanent magnets are inserted in the magnet openings. The cavity portions are each formed relative to an area sandwiched between two magnet openings, out of the magnet openings, in which the permanent magnets that are mutually adjacent and that have magnetic pole directions relative to a radial direction opposite to each other are inserted.

No. of Pages : 64 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1360/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR MANUFACTURING A FORMED METALLIC WORK PIECE WITH ARMORING

(51) International classification	:C22F1/04
(31) Priority Document No	:102011056480.2
(32) Priority Date	:15/12/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GESENKSCHMIEDE SCHNEIDER GMBH
Address of Applicant :ULMER STRASSE 112, 73431
AALEN, GERMANY
(72)**Name of Inventor :**
1)PETER KOLBE
2)ERNST-PETER SCHMITZ
3)THOMAS KORNER

(57) Abstract :

Process for manufacturing a formed metallic work piece with armoring, with the armoring having different properties than the basic work piece material, including the steps of: Providing an armoring blank (1); Providing a basic work piece blank (2); Arranging the armoring blank on the basic work piece blank; Welding together the surface section of the work piece blank (2) and the armoring blank (1), thereby creating a blank with an armored surface section (3); and forming the resulting blank with an armored surface section (3), thus producing a near-net-shape work piece contour by means of a process which is selected from the group comprising: forging, upsetting, electro upsetting, extrusion, with all of the named process being performed in the cold or half-warm or warm temperature range, thereby producing a near-net-shape formed armored basic work piece (4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1226/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : REFRIGERATOR

(51) International classification

:F25D29/00

(31) Priority Document No

:10-2011-
0109645

(32) Priority Date

:26/10/2011

(33) Name of priority country

:Republic
of Korea

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)LG ELECTRONICS INC.

Address of Applicant :20 YEOUIDO-DONG,

YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF
KOREA

(72)Name of Inventor :

1)JUBAEG KIM

(57) Abstract :

Provided is a refrigerator including a pressure adjustment device that passes through an inner case and an outer case such that the inside and outside of the refrigerator communicate with each other, and the pressure adjustment device is opened and closed according to opening and closing of a door so as to remove a pressure difference between the inside and outside of the refrigerator, thereby facilitating opening of the door.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1373/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :20/11/2009

(43) Publication Date : 28/06/2013

(54) Title of the invention : A PROCESS FOR RACEMIZATION OF (R) CLOPIDOGREL AND PROCESS FOR PREPARATION OF CLOPIDOGREL BISULFATE FORM I

(51) International classification	:C07D495/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUPIN LIMITED
(32) Priority Date	:NA	Address of Applicant :LUPIN LIMITED, 159 CST ROAD,
(33) Name of priority country	:NA	KALINA, SANTACRUZ (EAST), MUMBAI-400 098, STATE
(86) International Application No	:NA	OF MAHARASHTRA, INDIA AND ALSO HAVING A PLACE
Filing Date	:NA	OF BUSINESS AT 1/1, SASHI SHEKHAR BOSE ROAD,
(87) International Publication No	: NA	KOLKATA-700 025, STATE OF WEST BENGAL, INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SIYAN, RAJINDER SINGH
(62) Divisional to Application Number	:NA	2)GOHEL, SUNILKUMAR VINUBHAI
Filing Date	:NA	3)VENKATA, RAMBABU, KAMMILLI
		4)SINGH, GIRIJ, PAL

(57) Abstract :

The present invention relates to a novel process for the preparation of clopidogrel bisulfate (1) that comprises preparation of alpha bromo (2-chloro) phenyl acetic acid (VII) by treatment of 2-chloro phenyl acetic acid (VI) with N-bromo succinimide in the presence of a radical initiator and using dialkyl carbonate as solvent. The present invention also provides a novel process for racemization of (R) isomer of clopidogrel by using pyrrolidine or sodamide in organic solvent. The present invention further relates to a novel process for the preparation of crystalline form I of clopidogrel bisulfate that comprises of dissolving clopidogrel base in mixture of ethyl acetate and cyclohexane followed by addition of sulphuric acid and isolation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1374/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ARRANGEMENT FOR AN UNINTERRUPTIBLE POWER SUPPLY

(51) International classification	:H02J9/00
(31) Priority Document No	:11191483.4
(32) Priority Date	:01/12/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)AEG POWER SOLUTIONS B.V.
Address of Applicant :WEERENWEG 29, 1161AH
ZWANENBURG, THE NETHERLANDS
(72)**Name of Inventor :**
1)XAVIER MARTIN
2)HENDRIK NOACK
3)DETLEF WINKLER

(57) Abstract :

The invention relates to an arrangement for an uninterruptible power supply with a rectifier (1), an energy store (2) for storing electrical energy, an inverter (3), a switching means (4) and a controller (5, 6), wherein the rectifier (1) can be connected to a rectifier input to a supply grid (AC1), wherein the energy store (2) is connected to a rectifier output of the rectifier (1) and to an inverter input of the inverter (3), wherein a network (AC3) to be protected or a load to be protected can be connected to an inverter output of the inverter (3), wherein the rectifier input or a supply grid (AC2) can be connected via the switching means (4) to the inverter output, and wherein the rectifier (1), the inverter (2) and the switching means (4) can be controlled by the controller (5, 6), wherein the arrangement includes sensors (10) for measuring voltages and/or currents, wherein each sensor (10) is connected via a sensor output of the sensor (10) to exactly one control part (5, 6) and that each sensor is configured to convert a parameter to be measured into a low-voltage signal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1375/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ARRANGEMENT FOR AN UNINTERRUPTIBLE POWER SUPPLY

(51) International classification	:H02J9/00	(71)Name of Applicant :
(31) Priority Document No	:11 191	1)AEG POWER SOLUTIONS B.V.
(32) Priority Date	479.2	Address of Applicant :WEERENWEG 29, 1161AH
(33) Name of priority country	:01/12/2011	ZWANENBURG, THE NETHERLANDS
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)XAVIER MARTIN
(87) International Publication No	: NA	2)HENDRIK NOACK
(61) Patent of Addition to Application Number	:NA	3)DETLEF WINKLER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an arrangement for an uninterruptible power supply with a rectifier (1), an energy store (2) for storing electrical energy, an inverter (3), a switching means (4) and a controller (5, 6), wherein the rectifier (1) can be connected to a rectifier input to a supply grid (AC1), wherein the energy store (2) is connected to a rectifier output of the rectifier (1) and to an inverter input of the inverter (3), wherein a network (AC3) to be protected or a load to be protected can be connected to an inverter output of the inverter (3), wherein the rectifier input or a supply grid (AC2) can be connected via the switching means (4) to the inverter output, and wherein the rectifier (1), the inverter (2) and the switching means (4) can be controlled by the controller (5, 6), wherein the controller (5, 6) has two control parts (5, 6) which are constructed with redundancy, and wherein the rectifier (1) and the switching means (4) or the inverter (3) and the switching means (4) can be controlled simultaneously by the control parts (5, 6).

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1112/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GANGWAY HALF BETWEEN TWO VEHICLES OF A RAIL VEHICLE ARTICULATELY CONNECTED TO EACH OTHER

(51) International classification	:B63B
(31) Priority Document No	:11 009
	189.9
(32) Priority Date	:19/11/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)HÜBNER GMBH
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KASSEL GERMANY
(72)**Name of Inventor :**
1)GOEBELS ANDRÉ
2)REITZ HANS-WERNER

(57) Abstract :

A gangway half between two vehicles of a rail vehicle articulately connected to each other, the gangway half having a gangway bridge, the gangway bridge having carrier plate connected to the vehicle, the carrier plate having a tread plate on its upper side and a guide plate on its underside, the tread plate being received by the carrier plate so as to be displaceable in the longitudinal and transverse direction relative to the center longitudinal axis of the vehicle.

No. of Pages : 31 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1175/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TONER

(51) International classification	:G03G9/09	(71)Name of Applicant :
(31) Priority Document No	:2011-227828	1)RICOH COMPANY, LTD.
(32) Priority Date	:17/10/2011	Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
(33) Name of priority country	:Japan	OHTA-KU, TOKYO, 143-8555 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ATSUSHI YAMAMOTO
(87) International Publication No	: NA	2)SHINYA NAKAYAMA
(61) Patent of Addition to Application Number	:NA	3)MASAHIDE YAMADA
Filing Date	:NA	4)HIDEYUKI SANTO
(62) Divisional to Application Number	:NA	5)DAIKI YAMASHITA
Filing Date	:NA	6)RYOTA INOUE

(57) Abstract :

A toner, including a crystalline resin as a binder resin, wherein the toner comprises a THF-soluble component in a weight-average molecular weight not less than 20,000, and has a 50% wettability not less than 20% by volume when subjected to a methanol wettability test.

No. of Pages : 77 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1244/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : OIL SMOKE FILTER DEVICE AND RANGE HOOD

(51) International classification	:B01D46/46
(31) Priority Document No	:201110396267.3
(32) Priority Date	:28/11/2011
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
Address of Applicant :CARL-WERY-STR. 34, 81739
MÜNCHEN, GERMANY
(72)**Name of Inventor :**
1)INGO ABELS
2)HONGMEI WANG
3)ZHAOYANG XIA
4)YONGZHI YANG

(57) Abstract :

The present invention provides an oil smoke filter device and a range hood. The oil smoke filter device provided by the present invention includes an inner oil screen and an outer oil screen, where the inner oil screen and the outer oil screen are each disposed with an air vent and a wall, an orthographic projection of the air vent of the inner oil screen and that of the air vent of the outer oil screen in the same plane partially overlap, to form an overlapping portion; the oil smoke filter device is further disposed with a middle oil screen, where the middle oil screen is disposed between the outer oil screen and the inner oil screen, and includes an air vent and a wall; and an orthographic projection of the wall of the middle oil screen in the plane covers the overlapping portion. In this way, it is likely that an average proportion of an area of the air vents of the oil screen of each layer to a total area of the oil screen of this layer exceeds 50%.

No. of Pages : 18 No. of Claims : 13

(54) Title of the invention : STEAM GENERATOR HEATING TUBE REPAIR MEANS AND REPAIR METHOD

(51) International classification	:B23K26/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)WESTINGHOUSE ELECTRIC GERMANY GMBH
(32) Priority Date	121 204.7	Address of Applicant :MANNHEIM, GERMANY
(33) Name of priority country	:16/12/2011	(72)Name of Inventor :
(86) International Application No	:Germany	1)ROBERT BIENENTREU
Filing Date	:NA	2)DR. NICOLAS JEANVOINE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a steam generator heating tube repair sleeve (50, 70), which at one end has an encircling flange (36, 52, 72), which merges into a conical region (38, 54, 74) that tapers on the outside in the direction of the other sleeve end and which is adjoined by a straight region (56, 76). The invention also relates to a steam generator heating tube repair method for a steam generator heating tube (12, 32, 86, 88, 90) which is installed in a steam generator (80) and has a defective tube end, wherein the ends of a multiplicity of steam generator heating tubes (12, 32, 86, 88, 90) are passed through respective clad tube plates (18, 44, 82) and welded to the cladding (20, 46, 84), comprising the following steps: 1. conical milling out (14) of the defective tube end and milling a depression (16) into the cladding (20, 46, 84) around the defective tube end; 2. insertion of a steam generator heating tube repair sleeve (50, 70) according to the invention into the conically milled-out (14) defective tube end, wherein the outer sleeve contour is matched, at least in the conical (38, 54, 74) region, to the inner contour of the milled-out tube end; 3. rolling in the steam generator heating tube repair sleeve (50, 70) in the straight region (56, 76) thereof; 4. welding the flange region (36, 52, 72) of the rolled-in steam generator heating tube repair sleeve (34) to the cladding (20, 46, 84) to form a sealing seam.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1172/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TIME DELAY WITH CONTROL VOLTAGE SENSING

(51) International classification	:H02H7/09
(31) Priority Document No	:13/285,717
(32) Priority Date	:31/10/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Trane International Inc.

Address of Applicant :ONE CENTENNIAL AVENUE
PISCATAWAY, NJ 08855 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)HELT, Robert W.

(57) Abstract :

A method is provided for controlling operation of an air conditioning unit. The method comprises supplying line voltage to activate a motor configured to operate the air conditioning unit, and monitoring a supply of control voltage in order to control operation of the air conditioning unit, the supply of control voltage being derived from line voltage. In response to detecting a control voltage below a predetermined threshold and/or by a predetermined percentage, a time delay is initiated. The method further comprises deactivating the motor if a predetermined increase in control voltage is not detected before the time delay expires.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1174/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : REVERSIBLE FLOW ELECTRIC EXPANSION VALVE

(51) International classification	:F25B30/00	(71) Name of Applicant :
(31) Priority Document No	:13/276,824	1)TRANE INTERNATIONAL INC.
(32) Priority Date	:19/10/2011	Address of Applicant :ONE CENTENNIAL AVENUE
(33) Name of priority country	:U.S.A.	PISCATAWAY, NEW JERSEY 08855 UNITED STATES OF
(86) International Application No	:NA	AMERICA
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)MEANS, STUART
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An HVAC system includes an electronic expansion valve, a motor, an obturator connected to the motor, the obturator being selectively movable in response to operation of the motor, a removable seat selectively received within a complementary portion of the electronic expansion valve, the removable seat being selectively movable in response to operation of the motor.

No. of Pages : 41 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1371/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS, SYSTEM, AND METHOD OF OUTPUTTING IMAGE, AND RECORDING MEDIUM
STORING IMAGE OUTPUT CONTROL PROGRAM

(51) International classification	:G06F3/12
(31) Priority Document No	:2011-281740
(32) Priority Date	:22/12/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)RICOH COMPANY, LTD.

Address of Applicant :3-6, NAKAMAGOME 1-CHOME

OHTA-KU, TOKYO, 143-8555 JAPAN

(72)Name of Inventor :

1)TAKURO MANO

2)BABA HIROSHI

3)SHINSUKE YANAZUME

4)HIROKI OZAKI

(57) Abstract :

An apparatus, system, and method of outputting an image, and image output control program stored in a recording medium are described. The image output apparatus that displays data through a display obtains first element identification information for identifying a first element included in a specified folder, determines whether the first element is a folder based on the first element identification information, obtains second element identification information for identifying a second element included in the first element when the first element is determined to be the folder, analyzes whether the second element is a data file having a data format compatible with the display to generate an analysis result, determines a display format of the first element that is determined to be the folder based on the analysis result of the second element, and causes the display to display an image that reflects the first element in the determined display format.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1372/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SWITCHING MODE POWER SUPPLY APPARATUS

(51) International classification	:H02M3/24	(71) Name of Applicant :
(31) Priority Document No	:10-2011-0127814	1)LG ELECTRONICS INC.
(32) Priority Date	:01/12/2011	Address of Applicant :20 YEUIDO-DONG,
(33) Name of priority country	:Republic of Korea	YEONGDEUNGPO-GU SEOUL 150-721 REPUBLIC OF KOREA
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)HU, JINSEOK
(87) International Publication No	: NA	2)KANG, KYELYONG
(61) Patent of Addition to Application Number	:NA	3)PARK, SHINHYUN
Filing Date	:NA	4)PARK, GUNIL
(62) Divisional to Application Number	:NA	5)AHN, BUHWAN
Filing Date	:NA	6)KIM, JAEMIN

(57) Abstract :

[0054] A switching mode power supply apparatus is provided. The switching mode power supply apparatus may include a switch unit configured to switch an input voltage to a transformer and a controller configured to select an operation mode having a switching frequency according to a size of a load applied to a secondary side of the transformer and control a switching operation of the switch unit. The switching mode power supply apparatus may include a transformer. A refrigerator having the switching mode power supply apparatus is also provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1439/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : EFFECT PIGMENTS

(51) International classification :C09D7/12
(31) Priority Document No :10 2011
121 804.5
(32) Priority Date :21/12/2011
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MERCK PATENT GMBH
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64293 DARMSTADT, GERMANY
(72)**Name of Inventor :**
1)GERHARD PFAFF
2)STEPHANIE ANDES
3)KLAUS AMBROSIUS
4)RALF PETRY
5)MICHAEL ROESLER
6)SABINE SCHOEN

(57) Abstract :

The present invention relates to effect pigments which are based on flake-form substrates having a circular form factor of 1.2 - 2 and are coated with at least one high-refractive-index layer, and to the use thereof, inter alia in paints, coatings, printing inks, plastics and in cosmetic formulations.

No. of Pages : 36 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1160/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ANTENNA SOCKET.

(51) International classification	:H01Q1/242	(71)Name of Applicant :
(31) Priority Document No	:2011-226453	1)PANASONIC CORPORATION
(32) Priority Date	:14/10/2011	Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)TAKESHI SAITOU
Filing Date	:NA	2)HIROJI HATANO
(87) International Publication No	: NA	3)KATSUYA IMAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A socket shield has a plurality of lugs including a first lug, a third lug and a second lug, which are formed at a rear edge of the socket shield and spaced apart in a circumferential direction. The first lug, the second lug and the third lug are fixed to the shield plate. The first lug and the second lug are positioned at the opposite circumferential sides of a slit. The socket shield includes elastic pieces defined by portions extending from the slit to the first lug and the second lug. The first lug and the second lug are spaced apart from each other along the circumferential direction with the slit interposed therebetween. The circumferential distance between the first lug and the second lug is larger than the circumferential distance from the third lug to the first lug or the second lug.

No. of Pages : 27 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1306/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : STRADDLE TYPE VEHICLE

(51) International classification	:F02N3/04
(31) Priority Document No	:2011-262692
(32) Priority Date	:30/11/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

Address of Applicant :2500, SHINGAI, IWATA-SHI,
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(72)Name of Inventor :

1)TOSHIHIKO KONNO

2)YASUSHI AOKI

(57) Abstract :

A straddle type vehicle is described, where a larger headlight (36) may be attached to a body frame in a stable manner. The vehicle includes: a bracket (20) supporting the upper end of each of a pair of front wheel support members (22); a steering shaft (16) extending upward from the bracket (20); a head pipe (14) rotatably supporting the steering shaft (16); the headlight (36) located forward of the head pipe (14); and an attachment device (58) configured to attach a headlight (36) to the head pipe (14). The headlight (36) includes upper and lower illuminators (50,46) arranged vertically, and left and right illuminators (53,54) located to the left and right, respectively, of the direct line (L1) connecting the upper and lower illuminators (50,46). The attachment device (58) and headlight (36) are positioned so as not to get in contact with the bracket.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1309/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :03/11/2009

(43) Publication Date : 28/06/2013

(54) Title of the invention : MODIFIED RELEASE FORMULATION OF LACOSAMIDE

(51) International classification

:A61K9/50

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)LUPIN LIMITED

Address of Applicant :LUPIN LIMITED, 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

(72)Name of Inventor :

1)KULKARNI, SHIRISHKUMAR

2)DALAL, SATISH KUMAR

3)JAHAGIRDAR, HARSHAL

4)KONDA, KISHORE KUMAR

(57) Abstract :

The present invention provides a modified release formulation of lacosamide. The modified release formulation of the present invention comprising lacosamide and modified release polymer provides modified release of lacosamide with minimal C_{max} to C_{min} peak to trough variation over a period of at least 12 hrs.

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1376/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MAGNETIC-INDUCTIVE FLOW METER

(51) International classification	:G01F1/58	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)KROHNE AG
(32) Priority Date	119 982.2	Address of Applicant :UFERSTRA E 90, 4019 BASEL,
(33) Name of priority country	:02/12/2011	SWITZERLAND
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)JOSEF NEVEN
(87) 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 magnetic-inductive flow meter including a measuring tube, a magnetic circuit device, and two electrodes for detecting a measurement voltage. The measuring tube includes an inflow section, a measurement section that adjoins an inflow section, and an outflow section that adjoins the measurement section. A flow cross section of the measurement section is smaller than an inlet-side flow cross section of the inflow section and smaller than an outlet-side flow cross section of the outflow section. The electrodes are located on or in opposite electrode sections in the measurement section.

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

(54) Title of the invention : ELECTRICAL LOAD ISOLATING SWITCH FOR LOW VOLTAGE

(51) International classification	:H01H33/46	(71)Name of Applicant :
(31) Priority Document No	:20 2011	1)ABB AG
(32) Priority Date	109 576.6	Address of Applicant :KALLSTADTER STR. 1, 68309
(33) Name of priority country	:23/12/2011	MANNHEIM, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)DIRK HAUCK
(87) International Publication No	:NA	2)RALF WEBER
(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 electrical load isolating switch for low voltage, having a fixed contact piece and a moving contact piece, having a latching mechanism having a latching point formed by a trip lever and a latching lever which is immovably rotatably mounted and has an elongated hole for guiding a clip, wherein the latching mechanism can hold the contact lever in the open position, having a switching toggle for manually activating the latching mechanism, and having an intermediate lever which is linked at its one end to the contact lever and at its other end to the clip, wherein the clip is linked by at least one leg to the switching toggle, wherein the contact lever forms a first assembly which can be fitted pre-assembled into the housing of the installation switching device and which, after fitting into the housing, is pivotably mounted on a rotary spindle which is immovably connected to the housing, and wherein together with the trip lever, the latching lever, the intermediate lever and the clip, the switching toggle forms a second assembly which can be fitted pre-assembled into the housing and which, after fitting, is flexibly connected to the first assembly at a disconnection point.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1102/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR PARTICULATE FILTER REGENERATION

(51) International classification	:F01N
(31) Priority Document No	:13/289039
(32) Priority Date	:04/11/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
Address of Applicant :300 GM RENAISSANCE CENTER,
DETROIT, MICHIGAN 48265-3000, U.S.A
(72)**Name of Inventor :**
1)THOMAS LAROSE JR
2)DAVID MICHAEL VANBUREN
3)JOHN A. CATALOGNA
4)CHRISTOPHER WHITT
5)REBECCA J. DARR

(57) Abstract :

In one exemplary embodiment of the invention, a method of regenerating a particulate filter includes flowing an exhaust gas from an internal combustion engine into a particulate filter and determining a particulate level in the particulate filter. The method also includes performing a primary regeneration when the particulate level is below a first value, the primary regeneration including flowing exhaust gas with a selected amount of hydrocarbons in the exhaust gas into the particulate filter, and performing a secondary regeneration when the particulate level is above the first value, the secondary regeneration including flowing exhaust gas with an increased amount of nitrogen oxide into the particulate filter.

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

(54) Title of the invention : METHOD FOR CONFIGURING A CONTROL DEVICE

(51) International classification	:G05B19/04	(71) Name of Applicant :
(31) Priority Document No	:10 2011	1)ABB AG
(32) Priority Date	115 809.3	Address of Applicant :KALLSTADTER STR. 1, 68309
(33) Name of priority country	:13/10/2011	MANNHEIM, GERMANY
(86) International Application No	:Germany	(72) Name of Inventor :
Filing Date	:NA	1)CHRISTIAN MEYER
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for configuring a control device for the integration of intelligent electrical field devices (IED) into a control or automation system having a flexibly expandable hardware structure, wherein the configuration of the control or automation system is created by means of a device configuration tool (30) and a system configuration tool (10), for this purpose, the system configuration tool (10) is used to store a system specification description (SSD), which defines the data interchange from the system configuration tool (10) to the device configuration tool (30) in accordance with a defined communications protocol, a configuration device description (CID), which defines the data interchange from the device configuration tool (30) to the device (IED) in accordance with a defined communications protocol, is provided for the device configuration tool (30), and device configuration data are produced in the device configuration tool (30) from the provided configuration device description (CID) and the system configuration description (SCD) provided by the system configuration tool (10). Project-specific libraries (64) of the logical node types which are necessary for the user-programmable controller are created by means of an editing program (61) which is implemented as a logical node type editor (61), and a controller configuration tool (62) is used to make a selection for the previously created library (64). This is used to produce the device-specific configuration descriptions (ICD), which are provided for the control or automation system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.154/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SPECTRUM FLATNESS CONTROL FOR BANDWIDTH EXTENSION

(51) International classification	:G10L19/00
(31) Priority Document No	:61/365,456
(32) Priority Date	:19/07/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/044519
Filing Date	:19/07/2011
(87) International Publication No	:WO 2012/012414
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)HUAWEI TECHNOLOGIES CO., LTD.
Address of Applicant :Huawei Administration Building,
Bantian, Longgang District, Shenzhen, Guangdong 518129, P.R.
CHINA
(72)**Name of Inventor :**
1)GAO, Yang

(57) Abstract :

In accordance with an embodiment, a method of decoding an encoded audio bitstream at a decoder includes receiving the audio bitstream, decoding a low band bitstream (207) of the audio bitstream to get low band coefficients (209) in a frequency domain, and copying a plurality of the low band coefficients to a high frequency band location to generate high band coefficients (213). The method further includes processing the high band coefficients (213) to form processed high band coefficients (214). Processing includes modifying an energy envelope of the high band coefficients (213) by multiplying modification gains to flatten or smooth the high band coefficients (213), and applying a received spectral envelope decoded from the received audio bitstream to the high band coefficients (213). The low band coefficients (209) and the processed high band coefficients (214) are then inverse-transformed to the time domain to obtain a time domain output signal (215).

No. of Pages : 37 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1143/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : ROTOR BARRIER SHAPING FOR DEMAGNETIZATION MITIGATION IN AN INTERNAL PERMANENT MAGNET MACHINE

(51) International classification	:H02K1/27
(31) Priority Document No	:13/315846
(32) Priority Date	:09/12/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
Address of Applicant :300 GM RENAISSANCE CENTER,
DETROIT, MICHIGAN 48265-3000, U.S.A.
(72)**Name of Inventor :**
1)KHWAJA M. RAHMAN
2)SINISA JURKOVIC

(57) Abstract :

A rotor core for an Internal Permanent Magnet (IPM) machine includes a cavity having a magnet disposed therein. The cavity defines an air slot adjacent a radially outermost edge of the magnet disposed therein. A leakage flux path extends across the air slot and connects opposing sides of the cavity. The leakage flux path is oriented in an approximate tangential relationship relative to an axis of rotation of the rotor core, and is angled relative to the radially outermost edge of the magnet disposed within the cavity to direct flux away from the magnet. The cavity further includes an air pocket disposed along a radial inner surface of the magnet relative to the axis of rotation, adjacent the air slot of the cavity.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1144/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : BALANCED ROTOR CORE WITH REDUCED MASS AND INERTIA LAMINATIONS

(51) International classification	:H02K1/22	(71)Name of Applicant :
(31) Priority Document No	:61/567090	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:05/12/2011	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)EDWARD L. KAISER
(87) International Publication No	: NA	2)PETER BOSTWICK
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rotor core configured to rotate about an axisincludes a first end lamination, a second end lamination, and a middle lamination, which is disposed axially between the first end lamination and the second end lamination. The middle lamination has a plurality of first apertures, and the first end lamination and the second end lamination do not have the first apertures.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1297/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : LIQUID-COOLED RESISTOR DEVICE

(51) International classification	:H01C1/082	(71)Name of Applicant :
(31) Priority Document No	:11009025.5	1)CRESSAL RESISTORS LIMITED
(32) Priority Date	:14/11/2011	Address of Applicant :Evington Valley Road LE5 5LZ
(33) Name of priority country	:EPO	Leicester U.K.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NAZZARO Giuseppe
(87) 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 :

Liquid-cooled resistor device (1) comprising a block (3) having a liquid inlet (4), a liquid outlet (5) and a cavity provided with a liquid flow path (6) between the liquid inlet (4) and the liquid outlet (5), the cavity having an open side closed by a thermally conductive, electrically insulating flat layer (7) supporting a flat resistor (2) with their main planes parallel to one another, the device further comprising an electrically insulating blocking plate, rigidly fastenable to the block (3), facing the resistor (2) to block the resistor (2) on the flat layer (7), the cavity housing elastic pressing means configured so as to force the flat layer (7) against the resistor (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1367/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MANUFACTURING METHOD OF DECO GLASS PANEL AND GLASS PANEL USING THE SAME

(51) International classification

:C03C17/34

(31) Priority Document No

:10-2011-
0127164

(32) Priority Date

:30/11/2011

(33) Name of priority country

:Republic
of Korea

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)LG ELECTRONICS INC.

Address of Applicant :20 YEOUIDO-DONG,

YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF

KOREA

(72)Name of Inventor :

1)LEE, JINSOO

2)LEE, SEUNGPHIL

3)CHO, CHANGMIN

(57) Abstract :

A method of manufacturing a deco glass panel, and a deco glass panel using the same. The method includes a pattern forming step of applying an adhesive onto a mother substrate of a glass panel in a prescribed pattern; applying glass powder onto the surface of the mother substrate of the glass panel having the adhesive applied thereonto; hardening the adhesive applied onto the glass panel by heating the glass panel in a state where the glass powder has been applied; heating the glass panel at a temperature lower than a melting point of the glass powder; welding the glass panel at a temperature higher than a melting point of the glass powder but lower than a melting point of the mother substrate of the glass panel; cooling the glass panel; and attaching a prescribed rear surface pattern on a rear surface of the glass panel.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.161/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTROL APPARATUS AND METHOD FOR HYBRID VEHICLE

(51) International classification :B60W 20/00
(31) Priority Document No :2010-164194
(32) Priority Date :21/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/IB2011/001677
Filing Date :19/07/2011
(87) International Publication No :WO 2012/010951
(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 :2, Takara-cho, Kanagawa-ku
Yokohama-shi, Kanagawa 221-0023, JAPAN
(72)**Name of Inventor :**
1)TANISHIMA Kaori
2)KAWAMURA Hiroaki

(57) Abstract :

A control apparatus and method for controlling a hybrid vehicle is arranged to prevent shock and to minimize adverse influence on lag and fuel consumption when one of a start/stop control of an engine and a shift control of an automatic transmission is requested while the other control is occurring. The control apparatus includes an engine, a motor/generator, a first clutch, an automatic transmission, an integrated controller, an AT controller and an engine/transmission coordinate controlling section. When a second control request is generated during the first control, the engine/transmission coordinate controlling section starts the second control at a request timing when a condition does not exist such that a shock does not exceed an acceptable level and starts the second control at a later timing when the condition exists such that the shock would exceed the acceptable level if the second control is started at the request timing.

No. of Pages : 52 No. of Claims : 11

(54) Title of the invention : CONNECTING ARRANGEMENT FOR CONNECTING A HEALD SHAFT WITH A SHAFT DRIVE

(51) International classification	:D03C5/02	(71)Name of Applicant :
(31) Priority Document No	:11187321.2	1)GROZ-BECKERT KG.
(32) Priority Date	:31/10/2011	Address of Applicant :PARKWEG 2, 72458 ALBSTADT,
(33) Name of priority country	:EPO	GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MICHAEL LEUNER
(87) International Publication No	: NA	2)KARL-HEINZ GESING
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A connecting arrangement for connecting a heald shaft (10) with a driving rod assembly (11) of a shaft drive comprises a shaft coupling (16) with a coupling half (18), said coupling half comprising a bearing (20) and a coupling piece (21). The bearing (20) and the coupling piece (21) can be separated from a bearing carrier (19) that may be rigidly connected with the heald shaft (10). The coupling piece (21) and the bearing (20) are preferably connected with the bearing carrier (19) by a screw means (31) and can thus be replaced separately. For maintenance of the shaft coupling (16), it is thus possible to replace the coupling piece (21) and the bearing (20) in a simple manner. Complex lubricating arrangements, in particular lubricating means and the like can be omitted. This also simplifies handling of the shaft coupling (16), in particular when the coupling halves (18, 43) are being joined together. In doing so, the rotary position of the coupling piece (21) that usually has an external hexagonal form is of no consequence. Assembly errors, as could occur when the coupling piece comprises greasing means that would have to be oriented in a specific manner, can thus be avoided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1260/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : REFRIGERATOR AND ANTI-INSECT UNIT FOR REFRIGERATOR.

(51) International classification	:F25D23/02	(71)Name of Applicant :
(31) Priority Document No	:10-2011-0117304	1)LG ELECTRONICS INC.
(32) Priority Date	:11/11/2011	Address of Applicant :20 YEUIDO-
(33) Name of priority country	:Republic of Korea	DONG, YEONGDEUNGPO-GU SEOUL 150-721, REPUBLIC OF KOREA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MINSUP KIM
(87) International Publication No	: NA	2)KYUNGEUN LEE
(61) Patent of Addition to Application Number	:NA	3)MYUNG DONG YOU
Filing Date	:NA	4)SUNYONG PARK
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a refrigerator and an anti-insect unit accommodating a repellent and installed on a refrigerator leg for supporting a refrigerator cabinet, thereby removing insects from the refrigerator and a space for accommodating the refrigerator.

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

(54) Title of the invention : CHROMIUM OXIDE REFRACTORY MATERIAL

(51) International classification :C03B5/43,C04B35/101,C04B35/105
 (31) Priority Document No :1056541
 (32) Priority Date :10/08/2010
 (33) Name of priority country :France
 (86) International Application No :PCT/IB2011/053286
 Filing Date :22/07/2011
 (87) International Publication No :WO 2012/020344
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN
 Address of Applicant :18 avenue d'Alsace, Les Miroirs, F-92400 Courbevoie, France
 (72)Name of Inventor :
1)LINNOT, Cyril
2)MOITRIER, Lionel
3)BOUSSANT ROUX, Yves, Marcel, LÉon
4)CITTI, Olivier
5)AVEDIKIAN, Richard

(57) Abstract :

The invention relates to a device selected from among a glass furnace and a channel for dispensing the glass comprising a block and/or a coating made of a sintered material obtained by sintering a particular mixture comprising a chromium oxide content, indicated as CrT, of between 10% and 82%. The die fraction is such that $0.39.(CrT)+24 < CrM < 0.39.(CrT)+52$, CrM denoting the chromium oxide content by weight of the die fraction in wt % on the basis of the oxides of the die, and the aggregate is such that xII 97%, xIII 70%, and xIV xIII - 70%, CrG denoting the chromium oxide content by weight of one grain in wt % on the basis of the oxides of said grain, xII denotes the amount, in wt % on the basis of the aggregate, of grains having the following conditions (II): if 10% CrT 30%, then $CrG = 0.018.(CrT)^2 - 0.390.(CrT)+58.8$; if 30% CrT 60%, then $CrG = 1.22.(CrT)+26.7$; and if 60% < CrT 82%, then $CrG = 100$. xIII denotes the amount, in wt % on the basis of the aggregate, of grains having the following conditions (III): if 10% CrT 30%, then $0.018.(CrT)^2 - 0.390.(CrT)+9.10 < CrG < 0.18.(CrT)^2 - 0.390.(CrT)+25.10$; if 30% < CrT 60%, then $1.17.(CrT) - 21.5 < CrG < 1.17.(CrT) - 5.5$; and if 60% < CrT 82%, then $1.17.(CrT) - 21.5 < CrG < 1.67.(CrT) - 35.5$. XIV denotes the amount, in wt % on the basis of the aggregate, of grains having the following conditions (IV): if 10% CrT 30%, then $0.018.(CrT)^2 - 0.390.(CrT)+9.10 > CrG$; if 30% < CrT 60%, then $1.17.(CrT) - 21.5 > CrG$; and if 60% < CrT 82%, then $1.17.(CrT) - 21.5 > CrG$. The invention can be used for a glass furnace.

No. of Pages : 39 No. of Claims : 18

(54) Title of the invention : VORTEX FLOWMETER AND ASSOCIATED FIBER DUCT

(51) International classification	:G01F1/44	(71)Name of Applicant :
(31) Priority Document No	:102011118921.5	1)KROHNE MESSTECHNIK GMBH
(32) Priority Date	:21/11/2011	Address of Applicant :LUDWIG-KROHNE-STRASSE 5,
(33) Name of priority country	:Germany	47058 DUISBURG, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)WILHELM LÜBBERS
(87) 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 :

Described and shown is a vortex flowmeter having a medium chamber (2) that can at least partially have a medium flowing through it and defined by a device wall (1), at least one bluff body provided in the medium chamber (2) and at least one pressure sensor provided in the operating area of the bluff body, wherein the deflection of the pressure sensor is used to metrologically detect the pressure in the medium next to the pressure sensor, wherein at least one optical fiber (3) is arranged in and/or on the pressure sensor for measuring the deflection of the pressure sensor and wherein the optical fiber (3) is guided from the medium chamber (2) through a pressure-resistant fiber duct (4) in the device wall (1) into a medium-free surroundings (5). A vortex flowmeter having a fiber duct that does not require particular preparation of the optical fiber and is easy to produce is achieved in that the fiber duct (4) has a fiber channel (6) in the device wall (1), a first sealing element (7) extending into the fiber channel (6) with a contact surface (8) for the optical fiber (3) and at least a second sealing element (9) with a contact surface (10) for the optical fiber, wherein the second sealing element (9) is guided in a guide (11) formed in the device wall (1) and in the sealed state of the fiber duct (4), the second sealing element (9) is pressed against the contact surface (8) of the first sealing element (7) by a positioning means (12) in such a manner that the optical fiber (3) located between the contact surface (8) of the first sealing element (7) and the contact surface (10) of the second sealing element (9) is enclosed by the contact surface (8) of the first sealing element (7) and/or by the contact surface (10) of the second sealing element (9) and, in this manner, the fiber channel (6) is closed by the first sealing element (7), the second sealing element (9) and the optical fiber (3) guided between the first sealing element (7) and the second sealing element (9).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.165/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SECURITY STRUCTURE INCLUDING PHOSPHORESCENT AND FLUORESCENT COMPOSITIONS

(51) International classification	:D21H 21/40
(31) Priority Document No	:10 56284
(32) Priority Date	:29/07/2010
(33) Name of priority country	:France
(86) International Application No	:PCT/IB2011/053323
Filing Date	:26/07/2011
(87) International Publication No	:WO 2012/014151
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)ARJOWIGGINS SECURITY
Address of Applicant :32 Avenue Pierre Grenier, F-92100
Boulogne Billancourt, France
(72)**Name of Inventor :**
1)ROSSET, Henri

(57) Abstract :

The present invention relates to a security structure (10), comprising at least one first fluorescent composition (13) and at least one second phosphorescent composition (12), the first and second compositions being simultaneously excitable by a predefined illuminant from a single first surface (14) of the structure, the security structure (10) being provided in the form of a security thread, a security film, or a patch, wherein the first fluorescent composition is at least partially stacked on the second phosphorescent composition and/or the first and second compositions are used for the reference marking on the security structure.

No. of Pages : 28 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.199/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : CREMATORIUM INCINERATOR

(51) International classification :F23G1/00,F23C9/08
(31) Priority Document No :10 2010 017 578.1
(32) Priority Date :25/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/075147
Filing Date :22/06/2011
(87) International Publication No :WO 2012/022327
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)FIEN-KREMATECH GMBH
Address of Applicant :Nu bergerstr e 13, 93059 Regensburg
GERMANY
(72)Name of Inventor :
1)YU, Zhiyong

(57) Abstract :

The invention relates to a crematorium incinerator (1) comprising at least one combustion chamber (2) with a ceiling, a wall (2.1) and a base (3) on which the object to be cremated is placed, a heat-delivery device (4) a combustion air supply (5) and an exhaust gas outlet (6). At least one combustion air supply duct (7) and at least one exhaust gas return duct (8) are provided inside the ceiling and/or wall (2.1) and/or base (3) of the combustion chamber (2), the exhaust gas return duct (8) in the ceiling and/or wall (2.1) and/or base (3) having an inlet (8.1) and an outlet (8.2). The at least one combustion air supply duct (7) opens out into the at least one exhaust gas return duct (8) in the ceiling and/or wall (2.1) and/or base (3) of the combustion chamber (2) such that the combustion air supplied generates a suction effect in the combustion air supply into the combustion chamber (2). As a result thereof at least some of the exhaust gas produced during the combustion process is drawn into the inlet (8.1) of the exhaust gas return duct (8) and discharged through the outlet (8.2) of the exhaust gas return duct (8) into the combustion chamber (2) and is thus fed into the combustion process again.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1129/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD OF MAKING ND-FE-B SINTERED MAGNETS WITH REDUCED DYSPROSIUM OR TERBIUM

(51) International classification	:B22F3/10
(31) Priority Document No	:61/541290
(32) Priority Date	:30/09/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
Address of Applicant :300 GM RENAISSANCE CENTER,
DETROIT, MICHIGAN 48265-3000, U.S.A.
(72)**Name of Inventor :**
1)YUCONG WANG

(57) Abstract :

A method of making a permanent magnet and a permanent magnet. The method includes providing combining a core material and a surface material so that the surface concentration of dysprosium, terbium, or both in the surface material is high while simultaneously keeping the bulk concentration of dysprosium, terbium, or both low. From this, the magnet has a non uniform distribution of dysprosium, terbium or both. Varying approaches to preparing the combined core and surface materials may be used to ensure that the surface powder effectively wraps around the core powder as a way to achieve the high surface concentration and low bulk concentration. In one form, the core material may be made from a neodymium-iron-boron permanent magnet precursor material.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1274/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CARRIER TRACKING WITHOUT PILOTS

(51) International classification	:H04L5/00	(71)Name of Applicant :
(31) Priority Document No	:13/299757	1)VIXS SYSTEMS, INC
(32) Priority Date	:18/11/2011	Address of Applicant :1210 SHEPPARD AVE.E., SUITE 800
(33) Name of priority country	:U.S.A.	TORONTO, ONTARIO M2K 1E3 CANADA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MITTELSTEADT CIMARRON
(87) International Publication No	: NA	2) LAN CHENG -CHOU (RICK)
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Carrier tracking techniques in communications systems are disclosed. The method involves allocating a first number of bits per symbol to a carrier tracking subcarrier of a plurality of subcarriers of an orthogonal frequency division multiplexing (OFDM) signal based on a first target performance margin, and allocating numbers of bits per symbol to other subcarriers of the plurality of subcarriers based on a second target performance margin. The apparatus comprises a select module configured to select a carrier tracking subcarrier from a plurality of subcarriers of an orthogonal frequency division multiplexing (OFDM) signal based on performance estimates for the plurality of subcarriers, and a bit allocation module configured to allocate a number of bits per symbol to the carrier tracking subcarrier frequency based on a first target performance margin and configured to allocate numbers of bits per symbol to other subcarriers of the plurality of subcarriers based on a second target performance margin.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1275/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INTEGRATED ILLUMINATION PART AND LEAD FRAME OF UMBRELLA

(51) International classification	:F21V33/00	(71)Name of Applicant :
(31) Priority Document No	:100142476	1)LONGWIDE TECHNOLOGY INC.
(32) Priority Date	:21/11/2011	Address of Applicant :NO. 62-43, DONGRUN ROAD PULI
(33) Name of priority country	:Taiwan	TOWNSHIP NANTOU COUNTY 545 TAIWAN R.O.C.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHIEN, HUAN-JAN
(87) International Publication No	: NA	2)TSAI, TSUNG-HONG
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The manufacturing method of the integrated illumination part used in the present invention is to install annular lead frame with luminous LED chip on main part body of the umbrella, then package into one unity with transparent material such as plastic or silica gel, for example, slip ring, installation seat, handle and other parts can be used to produce the part. The purpose of the present aims at innovating the structure of annular lead frame made of sheet metal whereby to increase the mass production of integrated illumination part and diversity of light source, and fully to utilize high heat dissipation capacity of umbrella parts. It includes single-layer and multilayer structure according to the functional demand of LED chip; the manufacturing method of annular lead frame is first to produce LED chip and lead frame into LED lead frame, then bend it into annular with jig according to the appearance of main part body and fix power pin into annular structure with fastener.

No. of Pages : 80 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : RELIEF VALVE AND FUEL VAPOR VALVE ASSEMBLY

(51) International classification :B60K15/035,F16K1/54,F16K7/12

(31) Priority Document No :61/368,797

(32) Priority Date :29/07/2010

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

(86) International Application No :PCT/IB2011/001765

Filing Date :29/07/2011

(87) International Publication No :WO 2012/014061

(61) 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, U.S.A.

(72)Name of Inventor :

1)KELLER, Robert, D.

(57) Abstract :

A valve assembly (10) is provided that can perform an overpressure relief function to vent fluid from a first component, such as to vent fuel vapor from a fuel tank (18), to a second component, such as a carbon canister (20) without being affected by the vapor pressure in the vent line (22) to the second component. That is, the valve (42, 44) opens to provide pressure relief when needed regardless of the vapor pressure against which it opens. The valve assembly may also include a solenoid (26) that is controllable to allow fluid flow separately from the movement in response to vapor pressure.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1288/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ROTOR CORE, ROTOR, AND ROTATING ELECTRIC MACHINE.

(51) International classification	:H02K1/27	(71) Name of Applicant :
(31) Priority Document No	:2011-244621	1)KABUSHIKI KAISHA YASKAWA DENKI
(32) Priority Date	:08/11/2011	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(33) Name of priority country	:Japan	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(86) International Application No	:NA	0004 JAPAN
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)MORISHITA DAISUKE
(61) Patent of Addition to Application Number	:NA	2)OCHIAI YUKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rotor core according to an embodiment includes a pair of magnet openings disposed such that a space therebetween widens toward an outer peripheral side and in which a pair of permanent magnets having a magnetic pole direction relative to a radial direction identical to each other are inserted. The magnet openings each have a shape that connects together a first opening portion formed along the profile of the corresponding permanent magnet and a second opening portion that, when the permanent magnet is inserted in the first opening portion, covers, out of corner portions of the permanent magnet, a corner portion closest to the other permanent magnet with an air gap defined therebetween. The second opening portion forms a bridge portion between the second opening portion and the second opening portion of the other magnet opening.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1363/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AUTOMOBILE JACK HOUSING STRUCTURE

(51) International classification

:B60R11/06

(31) Priority Document No

:2011-

259759

(32) Priority Date

:29/11/2011

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SUZUKI MOTOR CORPORATION

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(72)Name of Inventor :

1)TAKAHASHI AKIRA

(57) Abstract :

An automobile jack housing structure with which sufficient strength can be secured with an existing component configuration and layout freedom can be improved is provided. A representative configuration of the present invention is an automobile jack housing structure 100 capable of housing a car-mounted jack 160, including a seat belt retractor panel (a 3RD retractor panel 124) that is provided on a vehicle side surface on a rear side of a rear wheel house 126 of an automobile and to which a seat belt retractor for a rear seat is attached and a jack bracket 134 that is an annular member joined to the seat belt retractor panel and into which the car-mounted jack 160 is inserted.

No. of Pages : 23 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/11/2012

(21) Application No.1364/KOL/2012 A

(43) Publication Date : 28/06/2013

(54) Title of the invention : PCD DRILL

(51) International classification	:B22F5/00
(31) Priority Document No	:2011-258478
(32) Priority Date	:28/11/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MITSUBISHI MATERIALS CORPORATION

Address of Applicant :3-2, OTEMACHI 1-CHOME,
CHIYODA-KU, TOKYO JAPAN

(72)Name of Inventor :

1)OHASHI TADAKAZU

2)AKHMADI EKO WARDOYO

3)MATSUO TOSHIHIKO

4)HIRANO KAZUTOSHI

5)NARUKE KOICHIRO

(57) Abstract :

A PCD drill is provided. The PCD drill shows a high strength and an excellent wear resistance during cutting of a difficult-to cut material, such as Al alloy, Ti alloy, ceramic, or the like. The PCD drill includes a drill main body and a cutting edge chip attached to the front end of the cutting edge of the drill main body. The cutting edge chip is a polycrystalline diamond-based sintered body made of a diamond powder sintered under an ultrahigh-pressure. The cutting edge chip are made of different sintered structures from the center part to the outer periphery part of the cutting edge chip. The center part, which is partitioned by the interface of the different sintered structures, is made of a fine grain structure. The outer periphery part is made of a coarse grain structure whose average diameter of grains is larger than that of the fine grain structure. The crossing angle, which is formed between the ridge line of the cutting edge of the PCD drill and the interface crossing with the ridge line on the center part side of the cutting edge chip, is less than 90°.

No. of Pages : 38 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.204/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : ATTACHMENT SYSTEM FOR CABLES, IN PARTICULAR FOR WIND POWER INSTALLATIONS

(51) International classification	:H02G3/30,F03D11/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 032 687.9	1)HYDAC ACCESSORIES GMBH
(32) Priority Date	:29/07/2010	Address of Applicant :Hirschbachstra e 2, 66280
(33) Name of priority country	:Germany	Sulzbach/Saar, GERMANY
(86) International Application No	:PCT/EP2011/003781	(72)Name of Inventor :
Filing Date	:28/07/2011	1)EVEN Rainer
(87) International Publication No	:WO 2012/013346	2)YAGCI Burhan
(61) Patent of Addition to Application Number	:NA	3)MARYNIOK Peter
Filing Date	:NA	4)HISS Helmut
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An attachment system for cables (7) in particular for wind power installations, having a base body (1, 3) which can be fixed to a supporting structure and forms cable bushings (5), which each have an opening for insertion of cables (7), which openings can be closed by a cover device (17) by means of which a holding force can be exerted on the cables (7), is characterized in that the cable bushings (5) are arranged on the base body (1, 3) in an arrangement which extends at least over a portion of a ring and in each case has an opening radially on the outside, and in that the cover device (17) has holding bodies, which can be matched to the base body (1, 3) to initially fix cables (7) which have been inserted into the cable bushings (5), and has a clamping strip (17), which surrounds the base body (1, 3) and exerts the holding force on the cables (7) via the holding bodies.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1121/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INLINE IMAGE ROTATION

(51) International classification	:G09G5/00
(31) Priority Document No	:13/306,429
(32) Priority Date	:29/11/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :1 INFINITE LOOP, CUPERTINO, CA
95014, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)TRIPATHI, BRIJESH

2)BHARGAVA, NITIN

3)OKRUHLICA, CRAIG M.

(57) Abstract :

Methods and apparatus for performing an inline rotation of an image. The apparatus includes a rotation unit for reading pixels from a source image in an order based on a specified rotation to be performed. The source image is partitioned into multiple tiles, the tiles are processed based on where they will be located within the rotated image, and each tile is stored in a tile buffer. The target pixel addresses within a tile buffer are calculated and stored in a lookup table, and when the pixels are retrieved from the source image by the rotation unit, the lookup table is read to determine where to write the pixels within a corresponding tile buffer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1122/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SIGNAL PROCESSOR, FILTER, CONTROL CIRCUIT FOR POWER CONVERTER CIRCUIT, INTERCONNECTION INVERTER SYSTEM AND PWM CONVERTER SYSTEM

(51) International classification	:G05F1/67	(71)Name of Applicant :
(31) Priority Document No	:2011-215737	1)DAIHEN CORPORATION
(32) Priority Date	:29/09/2011	Address of Applicant :2-1-11, TAGAWA, YODOGAWA-KU, OSAKA-SHI, OSAKA 532-8512 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)OHORI, AKIHIRO
Filing Date	:NA	2)HATTORI, NOBUYUKI
(87) 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 signal processor is configured to perform a process equivalent to performing a series of fixed-to-rotating coordinate conversion, a predetermined process and then rotating-to-fixed coordinate conversion, while maintaining linearity and time-invariance. The signal processor performs a process given by the following matrix G: where F(s) is a transfer function representing the predetermined process, ω is a predetermined angular frequency and j is the imaginary unit.

No. of Pages : 146 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1264/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DEVICE AND METHOD FOR DETERMINING THE ORIENTATION OF TWO SHAFTS CONNECTED VIA TWO UNIVERSAL JOINTS AND A THIRD SHAFT WITH A PIVOT JOINT

(51) International classification	:G01B11/27	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)PRUEFTECHNIK DIETER BUSCH AG
(32) Priority Date	055 119.0	Address of Applicant :OSKAR-MESSTER-STR. 19-21 85737
(33) Name of priority country	:08/11/2011	ISMANING GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)WEIHRAUCH, RAINER
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for measuring and optionally correcting the angular offset of two shafts which are connected to one another by way of two universal joints and a third shaft calls for the measurement heads of an optoelectronic alignment device to be adjustably arranged on the shafts by means of at least one pivot joint on one of the clamping devices, with an adjustment capacity. A pertinent method contains matching of the orientation of the measurement heads of the optoelectronic alignment device on the shafts in at least two measurement positions by adjusting the pivot joint.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1339/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR MONITORING PAGING MESSAGE

(51) International classification	:H04W52/02	(71)Name of Applicant :
(31) Priority Document No	:61/547,741	1)LG ELECTRONICS INC.
(32) Priority Date	:16/10/2011	Address of Applicant :20 YEOUIDO-DONG
(33) Name of priority country	:U.S.A.	YEONGDEUNGPO-GU SEOUL 150-721 REPUBLIC OF
(86) International Application No	:NA	KOREA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)PARK, Gi Won
(61) Patent of Addition to Application Number	:NA	2)CHO, Hee Jeong
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and device for monitoring a paging message in Machine To Machine (M2M) communication are provided. A M2M device receives a segment of the paging message that includes an extension flag and a M2M extension flag. The extension flag indicates that the M2M device checks the M2M extension flag and the M2M extension flag indicates whether a remaining segment of the paging message exists.

No. of Pages : 28 No. of Claims : 14

(54) Title of the invention : CHROMIUM OXIDE POWDER

(51) International classification :C03B5/43,C04B35/101,C04B35/105
 (31) Priority Document No :10 56540
 (32) Priority Date :10/08/2010
 (33) Name of priority country :France
 (86) International Application No :PCT/IB2011/053287
 Filing Date :22/07/2011
 (87) International Publication No :WO 2012/020345
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN
 Address of Applicant :18 avenue d'Alsace Les Miroirs, F-92400 Courbevoie, France
 (72)Name of Inventor :
1)LINNOT, Cyril
2)MOITRIER, Lionel
3)BOUSSANT ROUX, Yves, Marcel, LÉon
4)CITTL, Olivier
5)AVEDIKIAN, Richard

(57) Abstract :

The invention relates to a particulate powder, said powder having a median circularity of greater than 0.87 wt % and less than 9.0 wt % of particles having a size greater than 100 µm. The powder and at least 80 wt % of the particles have a chemical composition such that in wt % on the basis of the oxides and for a total of 100%: Cr₂O₃ + Al₂O₃ + ZrO₂ + MgO + Fe₂O₃ + SiO₂ + TiO₂ 90%; Cr₂O₃ + Al₂O₃ + MgO 60%; Cr₂O₃ 9%; 20% SiO₂ 0.5%; and other oxides: 10%. The invention can be used for a glass furnace.

No. of Pages : 44 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.227/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRICAL WALL BUSHING TERMINAL

(51) International classification	:H01R9/26
(31) Priority Document No	:10 2010 034 863.5
(32) Priority Date	:19/08/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/004152
Filing Date	:18/08/2011
(87) International Publication No	:WO 2012/022483
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PHOENIX CONTACT GMBH & CO. KG

Address of Applicant :Flachsmarktstra e 8, 32825 Blomberg,
GERMANY

(72)Name of Inventor :

1)BENTLER, Harry

2)DIE EL, Thorsten

3)SCHLOO, Torsten

(57) Abstract :

Electric through-wall terminal (1) having a housing (2) and a contact device (3), at which a plug zone (4) is provided for accommodating a test- and/or connection plug (5). A first conductor terminal (6) is provided which is connected with a first contact unit (7) of the contact device (3). A second conductor terminal (8) is connected with a second contact unit (9) of the contact device (3). The housing (2) comprises plug-in apertures (12, 13) on two sides (10, 11) from each of which a test- and/or connection plug (5) can be inserted into the plug zone (4) for contacting the first and second contact units (7, 9).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1118/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/09/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONNECTOR TOOL

(51) International classification	:F01D	(71)Name of Applicant :
(31) Priority Document No	:13/250,371	1)AMPHENOL CORPORATION
(32) Priority Date	:30/09/2011	Address of Applicant :358 HALL AVENUE,
(33) Name of priority country	:U.S.A.	WALLINGFORD, CONNECTICUT 06492 UNITED STATES
(86) International Application No	:NA	OF AMERICA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)GREK, JOACHIM I.
(61) Patent of Addition to Application Number	:NA	2)BARTHELMES, OWEN R.
Filing Date	:NA	3)HOYACK, MICHAEL A.
(62) Divisional to Application Number	:NA	4)PARIKH, HARDIK
Filing Date	:NA	5)CAPOZZI, KEN

(57) Abstract :

A tool for a connector that comprises a main body that has first and second opposite ends. The first end is configured to receive a torque device and has a substantially circular cross-sectional shape. The second end is configured to grasp a connector and has a substantially semi-circular cross-sectional shape, thereby defining an open side of the second end. The second end has at least one engagement member for engaging the connector.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1184/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HEAT EXCHANGER WITH SUBCOOLING CIRCUIT

(51) International classification	:F28D15/00	(71)Name of Applicant :
(31) Priority Document No	:13/276,000	1)TRANE INTERNATIONAL INC.
(32) Priority Date	:18/10/2011	Address of Applicant :ONE CENTENNIAL AVENUE
(33) Name of priority country	:U.S.A.	PISCATAWAY, NJ 08855 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DOUGLAS, JONATHAN DAVID
(87) International Publication No	: NA	2)MERCER, KEVIN B.
(61) Patent of Addition to Application Number	:NA	3)HARRIS, BENTON A., JR.
Filing Date	:NA	4)HANCOCK,STEPHEN S.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An air handling unit has a blower configured to selectively move air from an air inlet of the air handling unit to an air outlet of the air handling unit along an airflow direction extending from the blower to the air outlet, a heat exchanger disposed within the air handling unit between the inlet and the outlet, the heat exchanger has a thermal conductor, an evaporator tube thermally conductively joined to the thermal conductor, and a subcooler tube thermally conductively joined to the thermal conductor. An expansion device provides fluid communication between the evaporator tube and the subcooler tube and a drain pan disposed within the air handling unit upstream relative to the at least one subcooler tube and positioned in a geometrical footprint of at least a portion of the drain pan as the drain pan is viewed from an upstream position in the airflow direction.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1327/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MAGNETIZATION DEVICE FOR A NUCLEAR MAGNETIC FLOW METER.

(51) International classification :G01N24/10
(31) Priority Document No :102011118839.1
(32) Priority Date :20/11/2011
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KROHNE AG,
Address of Applicant :UFERSTRASSE 90 4019
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(72)Name of Inventor :
1)JAN TEUNIS AART PORS
2)CORNELIUS JOHANNES HOGENDOOM
3)ARIEL DE GRAAF
4)MARCO LEENDERT ZOETEWELJ,

(57) Abstract :

A magnetization device for permeation of a multiphase fluid flowing through a measurement tube of a nuclear magnetic flow meter with a magnetic field which is homogenous at least in one plane, with a plurality of permanent magnets for generation of a magnetic field and with a carrier, the carrier having at least one magnet receiver, each magnet receiver accommodating at least one of the permanent magnets, the shape of the magnet receivers and of the permanent magnets allowing movement of the permanent magnets in the magnet receivers only in one direction and the permanent magnets being by the magnet receivers arranged with reference to the magnetic field. A magnetization device with reduced production and time expenditure is achieved by the magnet receivers being made as hollow profiles.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.14/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : VIDEO DECODER AND METHOD OF DECODING A SEQUENCE OF PICTURES

(51) International classification :H04N7/26
(31) Priority Document No :102010030973.7
(32) Priority Date :06/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/060844
Filing Date :28/06/2011
(87) International Publication No :WO 2012/004164
(61) 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 :Hansastra e 27c, 80686 Munich,
GERMANY
(72)Name of Inventor :
1)BRUNS, Volker
2)SPARENBERG, Heiko
3)FOESSEL, Siegfried

(57) Abstract :

A video decoder for decoding a sequence of pictures, each of which is coded into a plurality of transformation coefficient blocks, is configured to decode transformation coefficient blocks of different pictures on different computing kernels of a first SIMD group at the same time.

No. of Pages : 48 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.226/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : DUAL MOTION DEPLOYABLE VEHICLE ACCESS STEP

(51) International classification	:B60R3/02
(31) Priority Document No	:12/840,285
(32) Priority Date	:20/07/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2011/053202
Filing Date	:19/07/2011
(87) International Publication No	:WO 2012/011047
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)MULTIMATIC PATENTCO LLC
Address of Applicant :19790 Haggerty Road, Livonia, Michigan 48152-1076, United States of America
(72)**Name of Inventor :**
1)SALMON, John
2)BANJONGPANITH, Pasit
3)LOUI, Dennis

(57) Abstract :

A dual motion vehicle access step that can be deployed by initially rotating it around a pivot joint in response to an operator pushing down on the step to overcome a closing torque and then translating the step away from the vehicle in response to a biasing force. Both of the closing torque and biasing force are provided by a single energy storage device. An interlocking latch is configured to selectively structurally lock out either the rotating motion or translating motion on an alternating basis.

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1315/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CARTON FOR PACKING POUCH-TYPE BEVERAGE CONTAINERS, MACHINE FOR CLOSING A PACKING, AND METHOD FOR CLOSING A PACKING

(51) International classification	:B65D25/00
(31) Priority Document No	:11191871.0
(32) Priority Date	:05/12/2011
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)INDAG GESELLSCHAFT FÜR INDUSTRIEBEDARF MBH & CO. BETRIEBS KG
Address of Applicant :RUDOLF-WILD-STR. 107- 115 69214
EPPELHEIM GERMANY

(72)Name of Inventor :
1)KURZ MICHAEL
2)EMBACH WOLFGANG

(57) Abstract :

The invention relates to a carton for packing pouch-type beverage containers, which stands on two sides, referred to as bottom surfaces, in the open state and comprises two halves which are open at the top, wherein each bottom surface is delimited on four sides by carton sides, and wherein the two halves have one common longitudinal side, which is bent in the middle in the open state, and comprises stiffening flaps on the transverse sides, each of which represents a prolongation of parts of the transverse side or the whole transverse side, and to a machine for closing a packing, in particular an above-described carton, as well as to a method for closing a packing, in particular an above-described carton.

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1316/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : STRADDLE-TYPE VEHICLE

(51) International classification

:F01L

(31) Priority Document No

:JP2011-

262218

(32) Priority Date

:30/11/2011

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

Address of Applicant :2500 SHINGAI, IWATA-SHI,
SHIZUOKA-KEN, 438-8501, JAPAN

(72)Name of Inventor :

1)TOSHIHIKO KONNO

2)YASUSHI AOKIAOYAMA

(57) Abstract :

A straddle type vehicle is described, where a larger headlight (36) may be attached to a body frame in a stable manner. The vehicle includes: a pair of front wheel support members (22); a bracket (20) supporting the upper end of each of the front wheel support members (22); a steering shaft (16) extending upward from the bracket (20); a body frame (12) including a head pipe (14) rotatably supporting the steering shaft (16); the headlight (36) located forward of the head pipe (14); and an attachment device (58) configured to attach a headlight (36) to the body frame (12). The headlight (36) includes; an illuminator (46); an inner lens (48) made of glass configured to pass light from the illuminator (46); and an outer lens (56) located forward of the inner lens (48). The attachment device (58) and headlight (36) are positioned so as not to get in contact with the bracket (20).

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1390/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND EQUIPMENT FOR TREATING CONCRETE PRODUCTS

(51) International classification	:E04G23/02	(71)Name of Applicant :
(31) Priority Document No	:20116308	1)ELEMATIC OY AB
(32) Priority Date	:22/12/2011	Address of Applicant :PL 33, FI-37801 TOIJALA, FINLAND
(33) Name of priority country	:Finland	(72)Name of Inventor :
(86) International Application No	:NA	1)JÄRVINEN, LASSI
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 :

Method and equipment for treating prefabricated concrete products (1, 1),in which method a cured concrete product is lifted from the casting mold to transfer devices (3) and transferred by said transfer devices to an after-curing treatment station,in which after-curing treatment station the concrete product is lifted by lifting the transfer devices (3),the concrete product (1, 1) is fastened at lifting loops or lugs (2, 2) arranged in the concrete product to fastening means (7, 7) in the after-curing treatment station,and the transfer devices are lowered and shifted away, so that the concrete product remains suspended in the after- curing treatment station for further treatment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.28/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE BRAKE CONTROL SYSTEM

(51) International classification	:B60T1/10,B60T13/74
(31) Priority Document No	:2010-129558
(32) Priority Date	:07/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2011/001243
Filing Date	:06/06/2011
(87) International Publication No	:WO 2011/154801
(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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Yokohama-shi, Kanagawa 221-0023, JAPAN
(72)**Name of Inventor :**
1)NAKAMURA Kensuke
2)FUJIKI Noriaki
3)AJIRO Keigo

(57) Abstract :

A vehicle brake control system includes a regenerative braking control component (3,15,16), a frictional braking control component (12), a calculating component (17) and a controlling component (14). The regenerative braking control component (3,15,16) controls a regenerative braking device (2) to provide a regenerative braking torque. The frictional braking control component (12) controls a frictional braking device (19) to provide a frictional braking torque. The calculating component (17) calculates a regenerative braking torque filter processing value based on a fluctuation frequency of the regenerative braking torque. The controlling component (14), during a first condition, operates a motorized power assist control device (12, 13) based on the regenerative braking torque filter processing value, instead of the regenerative braking torque, to moderate the frictional braking torque, such that the regenerative braking torque and the moderated frictional braking torque provide a target braking torque based on a braking operation.

No. of Pages : 31 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1305/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR PRODUCING A ROTATIONALLY SYMMETRIC HOLLOW PART AND HOLLOW PART PRODUCED THEREBY

(51) International classification	:B21H1/18	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)GESENKSCHMIEDE SCHNEIDER GMBH
(32) Priority Date	1181 86.9	Address of Applicant :ULMER STRASSE 112, 73431
(33) Name of priority country	:13/11/2011	AALEN, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)PETER KOLBE
(87) International Publication No	:NA	2)ERNST-PETER SCHMITZ
(61) Patent of Addition to Application Number	:NA	3)THOMAS KORNER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a process for producing a rotationally symmetric hollow part, especially a shaft, including: providing a bar-shaped solid material; heating the solid material substantially to forging temperature; cross wedge rolling of the solid material, thus causing weakening in the core zone of the solid material; and inserting at least one rotating mandrel driven at a predetermined velocity substantially along the central axis of the cross-wedge-rolled solid material, thus creating a through-hole and to a rotationally symmetric hollow part, especially a shaft.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1382/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : STATIONARY BLADE CASCADE, ASSEMBLING METHOD OF STATIONARY BLADE CASCADE, AND STEAM TURBINE

(51) International classification	:F01D9/04	(71)Name of Applicant :
(31) Priority Document No	:2011-271545	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:12/12/2011	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(33) Name of priority country	:Japan	MINATO-KU, TOKYO 105-8001 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TSUGUHISA TASHIMA
(87) International Publication No	: NA	2)ITARU MURAKAMI
(61) Patent of Addition to Application Number	:NA	3)MOTOKI YOSHIKAWA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A stationary blade cascade 29 of an embodiment includes stationary blade structures 50 and a ring-shaped support structure 40 supporting the stationary blade structures 50. The stationary blade structures 50 each include: a stationary blade part 51 where steam passes; and an outer circumference side constituent part 52 formed on an outer circumference side of the stationary blade part 51 and having a fitting groove 56 which penetrates all along a circumferential direction and which has an opening 55 all along the circumferential direction in a downstream end surface 54 of the outer circumference side constituent part 52. The support structure 40 includes a ring-shaped support part 42 having a fitting portion 41 fitted in the fitting grooves 56 of the outer circumference side constituent parts 52. The plural stationary blade structures 50 are supported along the circumferential direction by the ring-shaped support part 42.

No. of Pages : 73 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.156/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FORCED-FLOW STEAM GENERATOR

(51) International classification	:F22B29/06,F22B37/22
(31) Priority Document No	:10 2010 038 885.8
(32) Priority Date	:04/08/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/059989
Filing Date	:16/06/2011
(87) International Publication No	:WO 2012/016750
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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GERMANY

(72)Name of Inventor :

1)BRODE ER Joachim

2)BRÜCKNER Jan

3)EFFERT Martin

4)FRANKE Joachim

5)SCHULZE Tobias

(57) Abstract :

A forced-flow steam generator (1) having a surrounding wall (4) formed from steam generator pipes (2) which are welded in a gas-tight fashion and traversable by flow in the vertical direction, in which within the surrounding wall (4) there is arranged a passage collector (14) by means of which the outlet side of a first multiplicity of steam generator pipes (2) in parallel configuration is connected at the flow medium side to the inlet side of a second multiplicity, in series configuration with and downstream of the first multiplicity, of steam generator pipes (2) in parallel configuration, should have a particularly long service life and particularly low susceptibility to faults, independently of the operating state. For this purpose, the design parameters of the steam generator pipes (2) downstream of the passage collector (14) are selected such that the mean mass flow density in the steam generator pipes (16), in parallel configuration, of the surrounding wall (4) at full load of the steam generator (1) does not lie below 1200 kg/m²s.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.297/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHODS AND ARRANGEMENTS RELATING TO MOBILITY CONTROL INFORMATION

(51) International classification	:H04W8/08
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/SE2010/050838
Filing Date	:13/07/2010
(87) International Publication No	:WO 2012/008887
(61) 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 L M ERICSSON (PUBL)
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(72)**Name of Inventor :**
1)NYLANDER, Tomas
2)VIKBERG, Jari

(57) Abstract :

Mobility history relating to a plurality of cells visited by the user equipment (130) is obtained (210) from the first radio network node (120). Next, mobility control information (120) is generated (220) based on the mobility history. Further, the mobility control information is provided (240, 245) to the radio communication system (100). Moreover, a first radio network node (120) for enabling a network node (110, 150, 160, 170, 180) to generate mobility control information to be used by the radio network node (120) for managing signalling and processing due to mobility events in a radio communication system (100) is provided. The first radio network node (120) collects (260) mobility history relating to a user equipment connected to the first radio network node (120). The first radio network node (120) sends (210) the mobility history to the network node (110) and receives (240) from the network node (110) mobility control information associated with the first radio network node (120).

No. of Pages : 49 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1254/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ROCKET STAGE HAVING ENGINE THRUST FRAME INTEGRATED WITH TANK.

(51) International classification	:F02K9/42
(31) Priority Document No	:DE102011119921.0
(32) Priority Date	:25/11/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ASTRIUM GMBH

Address of Applicant :ROBERT-KOCH-STRASSE 1, D-82024 TAUFKIRCHEN, GERMANY

(72)Name of Inventor :

1)MARKUS JÄGER

2)MENKO WISSE

3)JESUS GOMEZ GARCIA

(57) Abstract :

A rocket stage for a spacecraft includes an engine, a tank for storing a fuel and an oxidizer for combustion in the engine, a rocket stage primary structure, and an engine thrust frame that connects and transmits forces between the engine and the primary structure. The engine thrust frame includes at least an internal part thereof arranged internally within the tank. This internal part of the engine thrust frame forms an imperforate partition that divides an interior space of the tank into at least two chambers for storing the fuel and the oxidizer separately from one another. Propellant management devices including liquid guide vanes and refillable liquid reservoirs may be provided in connection with the partition in the tank interior space.

No. of Pages : 26 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1403/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RETURN STOP

(51) International classification	:G06Q40/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)RINGSPANN GMBH
(32) Priority Date	122 006.6	Address of Applicant :SCHABERWEG 30-34, 61348 BAD
(33) Name of priority country	:22/12/2011	HOMBURG, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)AUGUSTYN BRZUS
(87) 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 return stop limiting torque, particularly for convener systems, including an internal ring, a concentric external ring, and several retaining elements arranged in the annual gap between the rings, which allow a relative rotation between the rings in one direction, and block it in the other direction through form-fitting or frictional engagement. The external ring has friction areas at its radially extending faces, which can axially be clamped against the corresponding friction disks, with the friction disks being supported in a torque-proof fashion but at least partially axially displaceable. Here the external ring is divided into several axially adjacent partial rings, each being axially spaced from one another by an annular gap such that another friction disk is arranged respectively in this annular gap, which is supported in a torque-proof fashion but axially displaceable, and all of the partial rings and friction disks are axially clamped to each other.

No. of Pages : 15 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.168/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PREVENTING A PHOTOCATALYST FROM DECREASING IN HYDROPHILICITY

(51) International classification	:B01J 33/00
(31) Priority Document No	:2010-165477
(32) Priority Date	:23/07/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/066687
Filing Date	:22/07/2011
(87) International Publication No	:WO 2012/011560
(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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Osaka-shi, Osaka, JAPAN
(72)**Name of Inventor :**
1)KATAOKA Kenji

(57) Abstract :

Disclosed is a method for preventing a photocatalyst from decreasing in hydrophilicity due to contamination by components seeping from a sealing material for anchoring a construction material, exterior material, glass structure, or other article on which a photocatalyst layer is formed. In said method, a transparent sealing-material-component seepage-prevention layer, which contains a modified epoxy resin comprising polymerizable unsaturated monomers graft-polymerized onto or copolymerized with an epoxy resin, is formed on the surface of the sealing material. Said polymerizable unsaturated monomers include a carboxyl-group-containing monomer, and a modified epoxy resin obtained by a carboxyl-group/epoxy-group reaction after graft polymerization or copolymerization is more favorable.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.303/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR TREATING OPHTHALMIC DISEASES USING KINASE INHIBITOR COMPOUNDS IN PRODRUG FORMS

(51) International classification	:A01N43/34
(31) Priority Document No	:61/368,183
(32) Priority Date	:27/07/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/045244
Filing Date	:25/07/2011
(87) International Publication No	:WO 2012/015760
(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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Whitehouse Station, New Jersey 08889-0100, U.S.A.
(72)**Name of Inventor :**
1)LAMPE, John W.
2)SHAYER, Sammy R.
3)WATSON, Paul S.

(57) Abstract :

This invention is directed to prodrugs of rho kinase (ROCK) inhibitors. These prodrugs are in general the ester or the amide derivatives of the parent compounds. These prodrugs are often weak inhibitors of ROCK, but their parent compounds have good activities. Upon instillation into the eyes, the ester or the amide group of these prodrugs is rapidly hydrolyzed into alcohol, amine, or acid and the prodrugs are converted into the active base compounds. The prodrugs of ROCK inhibitors provide several advantages such as delivery of higher concentrations of the active species into the target site and reduction of ocular discomfort. The invention is also directed to a method of treating ophthalmic diseases such as glaucoma, allergic conjunctivitis, macular edema, macular degeneration, and blepharitis by administering an effective amount of a ROCK prodrug compound of Formula (I) to the eyes of the patient in need of.

No. of Pages : 54 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1317/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SADDLE-RIDING TYPE VEHICLE

(51) International classification	:F02N3/04
(31) Priority Document No	:JP2011-262753
(32) Priority Date	:30/11/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HIRONARI SUZUKI
2)MASAYUKI AOYAMA

(57) Abstract :

A saddle riding type vehicle capable of improving detection accuracy by an oxygen sensor while reducing ventilation resistance in an exhaust path is provided. The vehicle includes an engine 34 provided with an exhaust path 68 and an oxygen sensor 72 attached to the engine 34 to detect oxygen included in exhaust gas. The engine 34 has a recess 70 provided at an inner surface of the exhaust path 68 and increasing a path sectional area of the exhaust path 68 and an insertion hole 76 opened at an inner surface of the recess 70. The oxygen sensor 72 is inserted in the insertion hole 76 as at least a part of its tip end is positioned in the recess 70.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1319/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : INSTRUMENT FOR WATER JET SURGERY

(51) International classification	:A61B
(31) Priority Document No	:11193542.5
(32) Priority Date	:14/12/2011
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)STEFFANIE SCHMIDT
2)RALF KÜHNER

(57) Abstract :

A surgical instrument (10, 110, 210, 310) that is disposed for performing water jet surgical operations comprises a nozzle 18 that can be moved by means of a hydraulic actuator (23) out of a retracted or passive position into a moved forward or active position. The actuation is accomplished by means of a hydraulic fluid that is supplied to the instrument head (11) via a tube (20) and/or a hose (43). The fluid, e.g., a sodium chloride solution, that is to be injected into the tissue can be used as the hydraulic fluid that is supplied to the nozzle (18). Preferably, HF current can additionally be applied to the nozzle (18). Said HF current can be conducted to the nozzle via a line (30) extending through the fluid conducting element (15) or via the electrolyte present therein.

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

(54) Title of the invention : LOAD CONTROL DEVICE

(51) International classification :H05B37/02,G05F1/455,H03K17/725
 (31) Priority Document No :2010-168349
 (32) Priority Date :27/07/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/IB2011/000373
 Filing Date :24/02/2011
 (87) International Publication No :WO 2012/014020
 (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)HIGASHIHAMA Hirotada
2)SAITOU Yu

(57) Abstract :

A two-wire load control device prevents load malfunctioning, such as erroneous emission of an LED, due to a leak current, even when loads not taking countermeasures against noise are connected. The load control device is connected in series between a commercial power source and a load and an off power supply for ensuring an inner power supply at the time of turning off the load is provided with capacitors, which are switched to be connected in series or parallel, based on an input voltage. The control device makes the capacitors repeat charging and discharging, and a power discharged from the capacitors is used as the inner power supply, thereby reducing standby power requirement of the load control device at the time of turning off the load.

No. of Pages : 47 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.305/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : ST-246 LIQUID FORMULATIONS AND METHODS

(51) International classification :A01N43/04,A61K31/715	(71)Name of Applicant : 1)SIGA TECHNOLOGIES, INC. Address of Applicant :4575 SW Research Way, Suite 230 Corvallis, OR 97333, United States of America
(31) Priority Document No :61/370,971	(72)Name of Inventor : 1)TYAVANAGIMATT, Shanthakumar, R.
(32) Priority Date :05/08/2010	2)STONE, Melialani, A.C.L.
(33) Name of priority country :U.S.A.	3)WEIMERS, William, C.
(86) International Application No :PCT/US2011/046260	4)KASI, Gopi, Krishna
Filing Date :02/08/2011	5)SAMUEL, Peter, N.K.
(87) International Publication No :WO 2012/018810	6)BOLKEN, Tove', C.
(61) Patent of Addition to Application Number :NA	7)HRUBY, Dennis, E.
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

The present invention provides for a novel liquid formulation for solubilizing poorly soluble ST 246 in cyclodextrins and a novel process of making the formulation.

No. of Pages : 86 No. of Claims : 40

(54) Title of the invention : METHOD FOR PROCESSING CYLINDER BLOCK, CYLINDER BLOCK AND THERMAL-SPRAYED CYLINDER BLOCK

(51) International classification :F02F1/00
 (31) Priority Document No :2010-054403
 (32) Priority Date :11/03/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/055029
 Filing Date :04/03/2011
 (87) International Publication No :WO 2011/111615
 (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 :

Disclosed is a method for machining a cylinder block, wherein a projection projecting on the crank case side of a cylinder bore is provided to the end section of the cylinder bore on the crank case side, and sprayed coating is formed on the inner surface of the cylinder bore, and the inner surface of the projection which is continued to the inner surface of the cylinder bore. Then, at least part of the projection is removed together with the sprayed coating formed on the inner surface of the projection after the formation of the sprayed coating. As a result, even if the end section of the cylinder bore on the crank case side is removed/machined, a sufficient removal/machining margin can be ensured while achieving the miniaturization of the cylinder block.

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1343/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NICKEL BASED CATALYSTS FOR HYDROCARBON REFORMING

(51) International classification	:B01J23/755
(31) Priority Document No	:2011904864
(32) Priority Date	:22/11/2011
(33) Name of priority country	:Australia
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SUN YANPING

(57) Abstract :

A method of preparing a catalyst for use in steam reforming of low molecular weight hydrocarbon and/or carbon dioxide reforming of low molecular weight hydrocarbon or mixing the two reforming comprising the steps of: (A) preparing an aqueous solution comprising:(i) an active component comprising nickel (Ni); (ii) a support component comprising magnesium (Mg) and aluminum (Al); and (iii) a promoter component comprising at least one lanthanide metals; (B) adjusting the pH of the solution to at least 8 to thereby form a slurry comprising a co-precipitate of (i), (ii) and (iii); and (C) separating said co-precipitate from the aqueous solution to form said catalyst.

No. of Pages : 34 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.160/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : REFRIGERATOR AND METHOD OF MANUFACTURING THE SAME

(51) International classification :F25D11/00
(31) Priority Document No :10-2010-0058853
(32) Priority Date :22/06/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/004498
Filing Date :20/06/2011
(87) International Publication No :WO 2011/162525
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
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2)CHO, Kyeongchul
3)YEO, Insun
4)KWON, Hongsik

(57) Abstract :

Provided is a refrigerator including a cabinet forming one of a refrigerator compartment and a freezer compartment, a main door opening and closing the refrigerator compartment or the freezer compartment and including a storage space opened forward, a sub door installed on the main door and opening and closing the storage space of the main door, and a dispenser disposed on the sub door and dispensing water.

No. of Pages : 29 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.203/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : DISAZO DYES, PREPARATION AND USE

(51) International classification :C09B31/153,C09D11/02
(31) Priority Document No :10 2010 056 305.6
(32) Priority Date :24/12/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/006397
Filing Date :17/12/2011
(87) International Publication No :WO 2012/084171
(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)ENGEL, Aloysius

2)JOERSS, Michael

3)GRUND, Clemens

4)HOSTASCH, Bernd

5)GÖRLITZ, Gunter

(57) Abstract :

Described are dyes of formula (I) where R1 is hydrogen, alkyl, alkoxy, trifluoromethyl or halogen, M is hydrogen, an alkali metal cation or an optionally substituted ammonium cation, R2 and R3 are each independently hydrogen, alkyl or alkoxy, R4 is alkyl or alkoxy, R5 and R6 are each independently moieties of the formula, $-(C_mH_{2m})-O-C_nH_{2n+1}$, m is an integer from 3 to 6, and n is an integer from 0 to 8. These dyes are useful for dyeing and printing materials having polar groups.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.232/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : ENGINE AND SADDLE RIDING TYPE VEHICLE

(51) International classification :F02B67/06,F02B61/02,F16H7/08
(31) Priority Document No :2011-114019
(32) Priority Date :20/05/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/061821
Filing Date :09/05/2012
(87) International Publication No :WO 2012/160968
(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)INOMORI Toshinori
2)NAKAJIMA Akitoshi

(57) Abstract :

To provide an engine that allows a cam chain to be easily attached. A crankcase (84) includes a support shaft (240) that supports a tension providing member (158) in a swingable manner and a provisional support shaft (252) that is positioned on the opposite side to a second sprocket (146) with respect to a straight line (L2) that connects a center of the support shaft (240) and a center of a first sprocket (108) when viewed in an axial direction of the crankshaft (84) and supports the tension providing member (158). A chain chamber (210) includes a provisional support surface (213) that contacts a part of the tension providing member (158) and supports the part in a slidable manner while the tension providing member (158) is supported by the provisional support shaft (252). The provisional support shaft (252) is positioned more on the side of the provisional support surface (213) than a part of the chain (154) wrapped around the first sprocket (108) when viewed in an axial direction of the crankshaft (84).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3057/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : HYBRID VEHICLE

(51) International classification :B60W10/06,B60K6/48,B60L11/14
(31) Priority Document No :2010-058607
(32) Priority Date :16/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/069076
Filing Date :27/10/2010
(87) International Publication No :WO 2011/114566
(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)Hiroshi ABE
2)Takeshi OHNO
3)Toshio HONDA
4)Takeshi HIRATA
5)Munetoshi UENO

(57) Abstract :

The disclosed hybrid vehicle is equipped with an engine and a motor as drive sources and has a first running mode, during which the output of the engine is used to drive the vehicle, and a second running mode, during which the engine is stopped and the vehicle is driven by the output of the motor. In addition, the vehicle is equipped with an air density detector, which detects the air density of the running environment of the vehicle. If the detected air density is lower than the standard air density, the motor output of the second running mode is reduced compared to the motor output at standard air density, so that when the running mode changes the vehicle drive force of the second running mode approaches the vehicle drive force of the first running mode.

No. of Pages : 60 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1208/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PERMANENT MAGNET MOTOR PUMP

(51) International classification	:F04D29/58	(71)Name of Applicant :
(31) Priority Document No	:100138846	1)ASSOMA INC.
(32) Priority Date	:26/10/2011	Address of Applicant :NO.10, ALY. 14, LN. 15, SANDE ST.,
(33) Name of priority country	:Taiwan	LUZHU TOWNSHIP, TAOYUAN COUNTY, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHIEN, HUAN-JAN
(87) International Publication No	: NA	2)WANG, CHIN-CHENG
(61) Patent of Addition to Application Number	:NA	3)SHIH, CHIH-HSIEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A structural improvement of the canned pump is to improve the stiffness of a stationary shaft and, according to requirement, to dispose a monitor device. The method for improving the stiffness of the stationary shaft includes axially inserting a shaft metal rear support of the metal structural of a motor rear casing of a canned motor into the inner side of a rotor yoke of an inner rotor of the canned motor, tightly attaching the shaft metal rear support to a rear shaft seat for improving the stiffness of the stationary shaft by longer hold length, and for shortening an arm length of the composite force. The monitor device, used for detecting the wear of a bearing for enhancing the reliability and satisfying the driving requirement, is installed in the ring slot to be protected by the rear shaft seat.

No. of Pages : 93 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1356/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :17/11/2009

(43) Publication Date : 28/06/2013

(54) Title of the invention : A SPINDLE ASSEMBLY FOR MICRO-ELECTROCHEMICAL / MICRO-ELECTRO-DISCHARGE MACHINING SET UP

(51) International classification	:B23H7/26	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :SPONSORED RESEARCH &
(86) International Application No	:NA	INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF
Filing Date	:NA	TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
(87) International Publication No	: NA	INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DAS, ALOK KUMAR
(62) Divisional to Application Number	:NA	2)SAHA, PARTHA
Filing Date	:NA	

(57) Abstract :

The present invention relates to developing a spindle assembly/system for micro machining of tools for micro electrochemical or micro electro discharge machining, and particularly to micro tool machining set up Involving minimum number of components so as to achieve higher accuracy in positioning and rotation of the spindle to favour the machining accuracy. Importantly, the spindle assembly involves a specially configured stainless steel mono block that favour reduction of the total number of components used in the spindle assembly thus enhancing the rigidity of the system and achieving precise rotational motion. The motor with drive arrangement Is adapted to rotate the spindle assembly at any speed set in the range of 100 to 1000 RPM. The system is suitable for any non contact type tool based micro machining set up like micro-EDM and micro-ECM where no contact force between tool and Job is required during the machining process.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1428/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : TRANSMISSION WITH RANGE ENGAGEMENT ASSURANCE

(51) International classification	:B60W10/04
(31) Priority Document No	:61/577619
(32) Priority Date	:19/12/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)JON ALLEN STEEBY
2)MARCEL AMSALLEN

(57) Abstract :

An auxiliary transmission module has an auxiliary transmission having an input shaft, an output shaft, and a mechanical synchronizer, and a controller. The controller is configured to command a downshift for the auxiliary transmission, control the input shaft to a generally synchronous speed with the output shaft for engagement, and increment the speed of the input shaft by a predetermined speed differential above the speed of the output shaft or engagement if the auxiliary transmission is unengaged after controlling to the generally synchronous speed. A method of downshifting includes commanding a downshift for the auxiliary transmission, controlling an input shaft to a generally synchronous speed with an output shaft for engagement, comparing a rotational speed upstream with a rotational speed downstream to verify engagement, and controlling the input shaft to an asynchronous speed with the output shaft for engagement during a recycle event when it is unverified.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3069/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : WIRELESS BASE STATION, MOBILE STATION AND COMMUNICATION CONTROL METHOD

(51) International classification	:H04W24/10
(31) Priority Document No	:2010-087398
(32) Priority Date	:05/04/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/058623
Filing Date	:05/04/2011
(87) International Publication No	:WO 2011/126015
(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)ISHII, Hiroyuki
2)IWAMURA, Mikio

(57) Abstract :

A wireless base station eNB is equipped with: a measurement control signal transmission unit (102) that is configured in such a manner as to transmit a measurement control signal, which issues an instruction to measure the radio quality of a cell or adjacent cells during communication, with regard to a mobile station UE; and a measurement report receiving unit (104) that is configured in such a manner as to receive a measurement report, which provides notification of the radio quality measurement results, from the mobile station UE. The measurement control signal contains identification information for one or multiple cells that serve as candidates for carrying out carrier aggregation.

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.153/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR MINING COAL

(51) International classification :E21B44/00
(31) Priority Document No :12/805,703
(32) Priority Date :16/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/000270
Filing Date :15/02/2011
(87) International Publication No :WO 2012/023961
(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)AULISIO, Leander, Francis
(72)Name of Inventor :
1)AULISIO, George, Anthony
2)AULISIO, Leander, Francis

(57) Abstract :

The present invention relates to a novel method of mining underground coal and recovering coal seam gas, the method including locating a seam of coal; digging a mine shaft to reach the seam of coal; constructing a ventilated underground control center which includes a computerized control panel, wherein the computerized control panel controls the movement of a drill head, a hollow drill shaft, a movable hydraulic shield, a movable resin roof bolting machine, and a movable waste extrusion device; providing mining personnel to the ventilated underground control center; wherein the mining personnel operate the computerized control panel to perform the tasks of moving the drill head into the seam of coal to obtain aggregate coal and coal seam gas; extruding waste material into mined-out space of the coal seam; and transferring the aggregate coal and coal seam gas to the surface of the earth.

No. of Pages : 58 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.162/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MONITORING AND ANALYSIS METHOD OF THE CONDITIONS OF A PIPELINE

(51) International classification :G01M 3/24
(31) Priority Document No :MI 2010 A 001340
(32) Priority Date :20/07/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2011/061926
Filing Date :13/07/2011
(87) International Publication No :WO 2012/010474
(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)DI LULLO, Alberto, Giulio
2)POGGIO, Alessia
3)DE MARCHI, Eliana

(57) Abstract :

Monitoring and analysis method of the conditions of a pipeline, comprising: providing an inspection device (1) in expanded polymeric or elastomeric material comprising at least one measurement instrument (2, 3), said measurement instrument including at least one casing and at least one sensor; introducing said inspection device into the pipeline (5); recovering said inspection device; wherein said casing is made of polymeric or elastomeric material, having a density, measured according to the regulation ASTM D3574, higher than or equal to 30 kg/m³, preferably ranging from 700 to 2,000 kg/m³. Said method allows the continuous registration and storage of useful parameters for revealing defects and/or anomalies inside the pipeline (5) that transports gas and/or liquids, as well as possible variations in the internal diameter of the same.

No. of Pages : 32 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3076/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELEVATOR

(51) International classification	:B66B7/06,D07B1/02
(31) Priority Document No	:FI20100187
(32) Priority Date	:30/04/2010
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FI2011/050364
Filing Date	:21/04/2011
(87) International Publication No	:WO 2011/135174
(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)ALASENTIE, Pentti

(57) Abstract :

Elevator, which comprises at least an elevator car (C) and means for moving the elevator car, preferably along guide rails, and a counterweight (CW), and one or more ropes (R, R, R), which rope connects the elevator car and the counterweight (CW) and is separate from the supporting function and passes around a diverting pulley (11) mounted on the bottom end of the elevator hoistway. The rope (R,R,R), comprises a power transmission part (2) or a plurality of power transmission parts (2), for transmitting power in the longitudinal direction of the rope which power transmission part (2) is essentially fully of non metallic material.

No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3077/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FEXOFENADINE-BASED COMPOSITION AND PREPARATION PROCESS THEREFOR

(51) International classification :A61K9/00,A61K9/16,A61K9/50

(31) Priority Document No :1053034

(32) Priority Date :21/04/2010

(33) Name of priority country :France

(86) International Application No :PCT/IB2011/002000

Filing Date :20/04/2011

(87) International Publication No:WO 2011/151733

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SANOFI

Address of Applicant :54 Rue La Boétie, F-75008 Paris
France

(72)Name of Inventor :

1)LESOT, Axelle

2)LAMOUREUX, Gaël

(57) Abstract :

The present invention relates to fexofenadine granules, to a composition containing them and to a process for the hot melt coating of fexofenadine. The process for the hot melt coating of fexofenadine allows efficient masking of its bitter taste without, however unacceptably slowing down its dissolution.

No. of Pages : 35 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3078/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PREPARING PHARMACEUTICAL COMPOSITIONS INTENDED FOR ORAL ADMINISTRATION COMPRISING ONE OR MORE ACTIVE INGREDIENTS AND THE COMPOSITIONS COMPRISING SAME

(51) International classification :A61K9/00,A61K9/16,A61K9/50
(31) Priority Document No :1053034
(32) Priority Date :21/04/2010
(33) Name of priority country :France
(86) International Application No :PCT/IB2011/051736
Filing Date :20/04/2011
(87) International Publication No:WO 2011/132167
(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)LEYDET, Damia

3)MOUSSEL, Arnaud

(57) Abstract :

The present invention relates to a method for hot melt coating of pharmaceutical active ingredients characterized by organoleptic or physicochemical properties that it is desirable to mask. The invention also relates to the resulting medicinal active ingredients with masked organoleptic or physicochemical properties and the compositions comprising same.

No. of Pages : 31 No. of Claims : 21

(54) Title of the invention : COMMUNICATION END DEVICE COMPRISING A RADIO TRANSMITTER AND TWO RADIO RECEIVERS AND CONTROL METHOD OF THEREOF

(51) International classification	:H04B1/52	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S-164 83 Stockholm, Sweden
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/003858	1)NEUMANN, Markus
Filing Date	:30/06/2010	
(87) International Publication No	:WO 2012/000524	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

It is described a communication end device comprising (a) a radio transceiver comprising a receiver for receiving radio signals from a transmitting network entity of a cellular telecommunication network and a transmitter (110, 120, 130) for transmitting radio signals to a receiving network entity of the cellular telecommunication network, (b) a further receiver (140) for receiving a further radio signal, and (c) a control circuit (150, 162, 164), which is coupled to the radio transceiver and to the further receiver (140). The control circuit (150, 162, 164) is configured for generating a control signal for controlling the operation of the further receiver (140). Thereby, the control signal is based on a synchronization signal being related to a time dependent transmission scheme of the transmitter (110, 120, 130) and on an information about the current operational state of the radio transceiver. It is further described a method for controlling the operation of such a communication end device (100) and a program element and a computer readable medium having stored such a program element, which is adapted for controlling and/or for carrying out this operation control method.

No. of Pages : 34 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3085/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INHERITANCE IN SAMPLE ARRAY MULTITREE SUBDIVISION

(51) International classification :G06T9/40,H04N7/26,H04N7/34
(31) Priority Document No :PCT/EP2010/054827
(32) Priority Date :13/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/055794
Filing Date :13/04/2011
(87) International Publication No :WO 2011/128365
(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)HELLE, Philipp
2)OUDIN, Simon
3)MARPE, Detlev
4)WIEGAND, Thomas

(57) Abstract :

A better compromise between encoding complexity and achievable rate distortion ratio, and/or to achieve a better rate distortion ratio is achieved by using multitree sub divisioning not only in order to subdivide a continuous area namely the sample array, into leaf regions but using the intermediate regions also to share coding parameters among the corresponding collocated leaf blocks. By this measure coding procedures performed in tiles, leaf regions locally, may be associated with coding parameters individually without having to however, explicitly transmit the whole coding parameters for each leaf region separately. Rather, similarities may effectively exploited by using the multitree subdivision.

No. of Pages : 92 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3086/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PAYING OUT BANKNOTES BY CASH MACHINES AND CASH MACHINE FOR CARRYING OUT THE METHOD

(51) International classification	:G07D9/00
(31) Priority Document No	:10 2010 015 588.8
(32) Priority Date	:19/04/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/001330
Filing Date	:17/03/2011
(87) International Publication No	:WO 2011/131276
(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)STÖCKLI Armin
2)SCHLETTI Reto

(57) Abstract :

A method for paying out banknotes by cash machines and a cash machine for carrying out the method are proposed. In this case, for a banknote which is dispensed to a customer in a paying out operation, an individual characteristic feature of the banknote that distinguishes the banknote from other banknotes is recorded. In addition, data relating to the customer and/or data relating to the transaction concerning the paying out operation are stored for each banknote dispensed to a customer. The cash machine is provided with at least one sensor which detects an individual feature of each banknote to be dispensed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3087/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND ENCODER AND DECODER FOR SAMPLE-ACCURATE REPRESENTATION OF AN AUDIO SIGNAL

(51) International classification	:G10L19/14
(31) Priority Document No	:61/323,440
(32) Priority Date	:13/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/055728
Filing Date	:12/04/2011
(87) International Publication No	:WO 2011/128342
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
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2)SPERSCHNEIDER Ralf

(57) Abstract :

A method for providing information on the validity of encoded audio data is disclosed, the encoded audio data being a series of coded audio data units. Each coded audio data unit can contain information on the valid audio data. The method comprises: providing either information on a coded audio data level which describes the amount of data at the beginning of an audio data unit being invalid, or providing information on a coded audio data level which describes the amount of data at the end of an audio data unit being invalid, or providing information on a coded audio data level which describes both the amount of data at the beginning and the end of an audio data unit being invalid. A method for receiving encoded data including information on the validity of data and providing decoded output data is also disclosed. Furthermore, a corresponding encoder and a corresponding decoder are disclosed.

No. of Pages : 44 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3092/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS FOR CONVEYING MATERIAL BY MEANS OF A HORIZONTAL ROTARY VANE FEEDER

(51) International classification	:B65B1/36,B65G53/46
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2010/002248
Filing Date	:12/04/2010
(87) International Publication No	:WO 2011/127937
(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)KAHLE, Jens

(57) Abstract :

The invention relates to an apparatus for conveying material, in particular for discharging and/or metering bulk material by means of a horizontal rotary vane feeder wherein the horizontal rotary vane feeder has a cell wheel (1) which is arranged in a cell wheel housing (2) and can be rotated about a vertical axis of rotation wherein a material which is to be conveyed by the horizontal rotary vane feeder can be supplied to the cell wheel from above the cell wheel housing, is conveyed horizontally within the cell wheel housing and can be let out of the cell wheel housing in the downward direction, and wherein the cell wheel housing (2) is arranged between a cover plate (3) and a base plate (4), and at least two inlet openings (11) are contained in the cover plate for the purpose of supplying the material which is to be conveyed, and at least two outlet openings (12) are contained in the base plate for the purpose of letting out the material which is to be conveyed.

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3093/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYRINGE WITH FLOW CONTROL VALVES AND ASSOCIATED METHODS

(51) International classification :A61M5/00
(31) Priority Document No :12/723,610
(32) Priority Date :12/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/028098
Filing Date :11/03/2011
(87) International Publication No :WO 2011/112934
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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84098 UNITED STATES OF AMERICA
(72)Name of Inventor :
1)FOJTIK, Shawn, P.

(57) Abstract :

The present invention includes syringes with valves. The valves control communication between the interior of a barrel of the syringe and the exterior of the barrel. In syringes that include two valves, the valves may be oriented opposite one another, such that one of the valves may enable fluid to flow into the interior of the barrel of the syringe while preventing fluid from flowing in the opposition direction, while the other valve may enable fluid to flow out of the interior of the barrel while preventing fluid from flowing in the opposite direction. Alternatively, a syringe may include a single valve, which is carried at or near a distal end of its plunger. Methods for using such syringes including, but not limited to manual pulsed aspiration methods and manual pulsed delivery methods, are also disclosed.

No. of Pages : 30 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3094/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DIE APPARATUS FOR FORGING STEERING RACKS

(51) International classification :B21J13/02,B21K1/76,B21J5/12
(31) Priority Document No :2010901969
(32) Priority Date :10/05/2010
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2011/000501
Filing Date :29/04/2011
(87) International Publication No :WO 2011/140580
(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)CORNISH, Wayne, Bruce

(57) Abstract :

A die apparatus for forging a steering rack having a toothed portion and an array of gear teeth. The die apparatus comprising first and second assemblies movable towards each other. The first assembly comprising a first bolster and a tooth die. The second assembly comprising a second bolster, first and second side dies a centre punch, and a third bolster. The third bolster being disposed between the first and second bolsters and being movable relative to the second bolster. The first and second side dies being supported by the third bolster and the centre punch being supported by the second bolster. As the die apparatus closes, the third bolster abuts the first assembly to form a closed forging cavity and then, as the die apparatus continues to close, the centre punch penetrates the closed forging cavity to complete the forging of the steering rack.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3095/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF ISOSERINE DERIVATIVES

(51) International classification :C07C227/32

(31) Priority Document No :10160022.9

(32) Priority Date :15/04/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/055762

Filing Date :13/04/2011

(87) International Publication No :WO 2011/128353

(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)FONTANA, Gabriele

2)GELMI, Maria, Luisa

3)GASSA, Federico

(57) Abstract :

This invention relates to a one pot process for the preparation of isoserine derivatives in high diastereoselective way. The process according to the invention includes the steps of reacting a protected glycidic acid with imines to yield isoserines protected both at the -OH and at the -COOH groups, deprotection of the obtained intermediates to isoserines or isoserine 1-4C- alkyl esters. Pure threo derivatives as the main isomer are obtained.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1336/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MAGNET MODULE FOR A NUCLEAR MAGNETIC FLOW METER

(51) International classification	:G01F1/58
(31) Priority Document No	:10 2011 118 923.1
(32) Priority Date	:21/11/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KROHNE AG

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(72)Name of Inventor :

1)JAN TEUNIS AART PORS

2)JAN-WILLEM RAMONDT

3)JOHANNES ANTONIUS SPITHOVEN

(57) Abstract :

A magnet module for a nuclear magnetic flow meter including at least one permanent magnet and a jacket. The jacket protects the at least one permanent magnet against peeling of magnet material by mechanical loads when the magnet module is introduced into a magnet receiver of the flow meter, simplifies introduction of the permanent magnets into the magnet receivers by reduced friction between the magnet module and the magnet receivers, and influences the magnetic field which generated by the permanent magnets.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.205/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : A TRANSPORT BELT FOR TRANSPORTING A FIBRE STRAND

(51) International classification	:D01H1/22
(31) Priority Document No	:10 2005 036
	128.5
(32) Priority Date	:26/07/2005
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:524/KOL/2006
Filed on	:01/06/2006

(71)Name of Applicant :
1)MASCHINENFABRIK RIETER AG
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(72)Name of Inventor :
1)PETER BLAKENHORN

(57) Abstract :

A transport belt for transporting a fibre strand to be pneumatically condensed comprises at least in an area guiding the transport belt of an air-permeable woven material made of synthetic filaments. At least a percentage of the synthetic filaments consists of a base material containing deposits of another material. The deposits are made of an abrasion-resistant material, which could advantageously consist of mineral hard material, of glass or of ceramic. In addition, the deposits could have a ratio of length to diameter of less than 1000.

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

(54) Title of the invention : ELECTRIC POWER FACILITY CONTROL AND MONITORING SYSTEM

(51) International classification :G05B23/02,H02J3/00,H02J13/00
 (31) Priority Document No :2010-162110
 (32) Priority Date :16/07/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/003447
 Filing Date :16/06/2011
 (87) International Publication No :WO 2012/008093
 (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)HIROSE Akinori
2)NAGATA Junya

(57) Abstract :

The disclosed monitoring control system for electrical power equipment allows operators of an electrical substation to operate power systems in accordance with the situation regardless of said operators, ability or experience. Said monitoring control system is provided with a rule memory unit, a diagram memory unit, an automatic selection unit, and a display control unit. The rule memory unit is set with rules for events occurring in the power station, each rule consisting of an identifier for an event originating device, an operating state for said device, a number indicating the importance of said operating state, and control information for said device. The diagram memory unit stores wiring diagrams or layout diagrams for the devices in the power station, divided by circuit. If a notification of an event in the power station is received, the automatic selection unit retrieves, from the diagram memory unit, a wiring diagram or layout diagram for a bay partition containing the device that has the identifier in a rule in the rule memory unit that matches the content of the event notification. The display control unit outputs to a monitor, the wiring diagram or layout diagram retrieved by the automatic selection unit.

No. of Pages : 45 No. of Claims : 8

(54) Title of the invention : ACCELERATOR PEDAL DEPRESSION FORCE CONTROL DEVICE

(51) International classification :B60K26/04,F02D11/02,F02D11/04
 (31) Priority Document No :2010-129620
 (32) Priority Date :07/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/059707
 Filing Date :20/04/2011
 (87) International Publication No :WO 2011/155268
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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 Yokohama-shi, Kanagawa 221-0023, JAPAN
 (72)Name of Inventor :
1)SAKAGUCHI Shigeyuki
2)SHIOMI Masao
3)OMORI Masahiro

(57) Abstract :

Disclosed is an accelerator pedal depression force control device such that if an accelerator opening degree decreases to a level not higher than an amount increase cancellation threshold value (that is, if a timing t2 is reached) when the depression force of an accelerator pedal (2) is being increased to a value which is higher than a base depression force by an amount equal to a predetermined depression force increment, then the predetermined depression force increment is decreased at a predetermined rate; and that if the accelerator opening degree becomes higher than a predetermined opening degree threshold value (that is, if a timing t3 is reached) when the predetermined depression force increment is being decreased, then the depression force of the accelerator pedal (2) is increased compared to the base depression force so that the depression force increment over the base depression force will be larger than a predetermined depression force increment.

No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1362/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE STRUCTURE FOR TRUNK LID ATTACHMENT

(51) International classification	:B60J11/00	(71)Name of Applicant :
(31) Priority Document No	:2011-258533	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:28/11/2011	Address of Applicant :300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU, SHIZUOKA, 432-8611, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)HARADA TARO
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 vehicle structure for trunk lid attachment that can easily absorb positional shifts of the trunk closed position of a trunk lid is provided. A vehicle structure 100 for trunk lid attachment includes a striker 114 that is attached to a rear edge 116 of an opening of the trunk 104, a latch 118 that is attached to a trunk lid 106, can slide relative to the striker 114, and engages with the striker 114 in any position within a slidable range S, thus determining a position of the trunk lid 106, and a trunk lid hinge 108 that has a first end 108A supporting the trunk lid 106 and a second end 108B rotatably attached to the vehicle body, wherein the first end 108A of the trunk lid hinge 108 has a joining surface 140 that is substantially parallel to a direction 130 in which the latch 118 slides, and is joined to the trunk lid 106 at the joining surface 140.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1717/CAL/1997 A

(19) INDIA

(22) Date of filing of Application :17/09/1997

(43) Publication Date : 28/06/2013

(54) Title of the invention : MEMORY ARRANGEMENT

(51) International classification	:H01L 29/00
(31) Priority Document No	:19639899.1
(32) Priority Date	:27/09/1996
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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MUENCHEN Germany
(72)**Name of Inventor :**
1)WALTER HARTNER
2)DR. CARLOS MAZURE-ESPEJO
3)DR. GUENTHER SCHINDLER

(57) Abstract :

The memory arrangement (1) comprising identical memory cells has storage capacitors which are arranged over the selection transistors and whose first electrodes (14) are designed in strip form and are arranged vertically on a first main area (2). The surface areas of the first electrodes (14) and consequently the capacitor areas can be varied for example by varying the heights of the first electrodes (14) and/or with a skilful arrangement of the cell areas (5) as a result of the overlapping of the first electrodes (14) over adjacent cell areas (5) .

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.206/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : LEAK DETECTION APPARATUS

(51) International classification	:G01M3/20
(31) Priority Document No	:102010033373.5
(32) Priority Date	:04/08/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/062472
Filing Date	:20/07/2011
(87) International Publication No	:WO 2012/016838
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)INFICON GMBH

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(72)Name of Inventor :

1)DÖBLER, Ulrich

(57) Abstract :

The leak detection appliance has a test inlet (10) to which a test chamber containing the test specimen can be connected. A high vacuum pump (12) produces a high vacuum in a test gas detector (11). A preliminary vacuum pump (20) contains two pump stages (22, 23). In order to evacuate the test chamber, the pump stages (22 23) are operated in parallel mode, with their suction capabilities being added. When the necessary vacuum has been achieved, the pump stages (22, 23) are operated in series in order to produce the necessary high vacuum - which is required for high detection sensitivity - on the test gas detector (11).

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

(54) Title of the invention : METHOD AND DEVICE FOR MANUFACTURING A GREEN TYRE

(51) International classification :B29D30/20,B29D30/46,B29D30/70
 (31) Priority Document No :2007058
 (32) Priority Date :06/07/2011
 (33) Name of priority country:Netherlands
 (86) International Application No :PCT/NL2012/050387
 Filing Date :01/06/2012
 (87) International Publication No :WO 2013/006039
 (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)GRASHUIS, Jan Kornelis
2)TEN WOLDE, Wiebe Herman
3)TEULE, Erik Harm Jan
4)JANSZEN, Kees

(57) Abstract :

The invention provides a method and a device for manufacturing a breaker ply package for a green tyre, wherein a rubber band (51) is supplied by a supply device (35) that can be moved between a first position and a second position, wherein the supply device can be moved between a first position in which the supply device is set for supplying the continuous rubber band (51) at a supply direction which with the conveyance direction (T) includes a first angle that equals the first cord angle, and a second position in which the supply device is set for supplying the continuous rubber band (51) at a supply direction which with the conveyance direction (T) includes a second angle that equals the second cord angle, wherein the second angle is not equal to the first angle.

No. of Pages : 38 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3106/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS FOR PRODUCING BRISTLE ARRANGEMENTS FOR BRUSHES

(51) International classification :A46D3/04
(31) Priority Document No :10 2010 015 118.1
(32) Priority Date :16/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001343
Filing Date :18/03/2011
(87) International Publication No :WO 2011/128020
(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)STEIN, Bernd
2)REES, Bernhard
3)KUMPF, Ingo
4)KIEFER, Florian

(57) Abstract :

An apparatus (1) for producing bristle arrangements for brushes, in particular toothbrushes, having a bristle supply (2) and an apparatus (3) for extracting individual bundles (4) of bristles from the bristle supply (2), and also having a transporting apparatus for transporting the bundles (4) of bristles by way of at least one hollow line (8) by means of a stream of gas or air in perforations in a bundle retaining plate, is characterized in that the apparatus (3) for extracting the bundles (4) of bristles from the bristle supply (2) has at least one bundle holder (6), and in that the bundle holder(s) (6) of the extraction means (3), the inner contour (10) of the hollow line(s) (8) and the perforations in the bundle retaining plate are each contoured in a manner corresponding to the bundle contour which is desired in the bristle arrangement.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1348/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONNECTOR FOR CONNECTING TWO PIPE ENDS

(51) International classification	:F16L13/14	(71)Name of Applicant :
(31) Priority Document No	:2011/0699	1)ATLAS COPCO AIRPOWER, NAAMLOZE
(32) Priority Date	:01/12/2011	VENNOOTSCHAP
(33) Name of priority country	:Belgium	Address of Applicant :BOOMSESTEENWEG 957, B-2610
(86) International Application No	:NA	WILRIJK, BELGIUM
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ULENAERS TIM
(61) Patent of Addition to Application Number	:NA	2)VAN OVERBEKE ELKE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Connector for connecting together, without leaks, two cylindrical pipe ends (2), characterised in that the connector (1) is formed by two clamp halves (3) that are each provided with two opposite connecting flanges (4), whereby the connecting flanges (4) of the clamp halves (3) are connected together by tightening means (5) in order to tighten the connecting flanges together in the mounted state around the pipe ends (2), whereby the connector (1) contains a seal (8) that is held between the clamp halves (3), and whereby on either side of the seal (8) there is at least one segment-shaped gripping element (9) that is held in a clamp half (3).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.157/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS FOR CARRYING OUT AN OPENING MOVEMENT OF A DOOR

(51) International classification	:B61D19/00
(31) Priority Document No	:102010027136.5
(32) Priority Date	:14/07/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/061737
Filing Date	:11/07/2011
(87) International Publication No	:WO 2012/007417
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Austria
(72)Name of Inventor :
1)JAROLIM Reinhard

(57) Abstract :

The present apparatus relates to an apparatus for carrying out an opening movement of a door of a vehicle. The apparatus has a door leaf support (3) which is arranged such that it can move in the opening direction of the door. Furthermore, the apparatus has a guide lever (9) which is arranged on the door leaf support (3) such that it can pivot about a fulcrum, and has a first end and a free end. Furthermore, the apparatus has a guide rail (8) with a first end area and a second end area. The first end area and the second end area of the guide rail are offset relative to one another transversely and longitudinally with respect to the opening direction. The first end of the guide lever engages in the guide rail. The guide rail is designed to guide a movement of the guide lever in the opening direction, and a pivoting movement of the guide lever. The movement of the guide lever in the opening direction can be transmitted to the door, in order to move the door in the opening direction. A component of the pivoting movement at the free end of the guide lever in the opening direction can be transmitted to the door, in order to move the door even further in the opening direction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.166/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : ANTICANCER DERIVATIVES, PREPARATION THEREOF AND THERAPEUTIC USE THEREOF

(51) International classification :A61K 31/444
(31) Priority Document No :1056103
(32) Priority Date :26/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/IB2011/053310
Filing Date :25/07/2011
(87) International Publication No :WO 2012/014147
(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)COMMERÇON, Alain
2)GAUZY-LAZO, Laurence
3)HUBERT, Philippe

(57) Abstract :

The present invention relates to conjugates of pyrrolo[1,4]benzodiazepine (PBD) dimers, to compositions containing them and to their therapeutic use, especially as anticancer agents. The invention also relates to the process for preparing the conjugates and to their use as anticancer agents, and also to the dimers themselves. Formula (I) in which : represents a single bond or a double bond.

No. of Pages : 86 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : REDUCING CARBON DIOXIDE TO PRODUCTS

(51) International classification	:C25B3/04,C25B1/00	(71)Name of Applicant :
(31) Priority Document No	:12/846,221	1)LIQUID LIGHT, INC.
(32) Priority Date	:29/07/2010	Address of Applicant :7 Deer Park Drive, Suite F, Monmouth
(33) Name of priority country	:U.S.A.	Junction, NJ 08852 United States of America
(86) International Application No	:PCT/US2011/045515	(72)Name of Inventor :
Filing Date	:27/07/2011	1)COLE, Emily, Barton
(87) International Publication No	:WO 2012/015905	2)SIVASANKAR, Narayanappa
(61) Patent of Addition to Application	:NA	3)BOCARSLY, Andrew, B.
Number	:NA	4)TEAMEY, Kyle
Filing Date	:NA	5)KRISHNA, Nety
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for reducing carbon dioxide to one or more products is disclosed. The method may include steps (A) to (C). Step (A) may bubble the carbon dioxide into a solution of an electrolyte and a catalyst in a divided electrochemical cell. The divided electrochemical cell may include an anode in a first cell compartment and a cathode in a second cell compartment. The cathode generally reduces the carbon dioxide into the products. Step {B} may vary at least one of (i) which of the products is produced and (ii) a faradaic yield of the products by adjusting one or more of (a) a cathode material and (b) a surface morphology of the cathode. Step (C) may separate the products from the solution.

No. of Pages : 46 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3123/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HYDRAULIC CONTROL DEVICE FOR WORKING VEHICLE

(51) International classification :F15B11/00,E02F9/22,F01N3/02
(31) Priority Document No :2010-141587
(32) Priority Date :22/06/2010
(33) Name of priority country :Japan
(86) International Application No:PCT/JP2011/063920
Filing Date :17/06/2011
(87) International Publication No :WO 2011/162179
(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)YAMASHITA Ryouhei
3)MATSUZAKI Hiroshi
4)KOBAYASHI Yoshinobu
5)UENO Katsumi
6)ANDOU Masaaki

(57) Abstract :

A control valve (29) for a boom and a pulsation absorption control valve (33) are provided in the middle of a center bypass conduit (21). The pulsation absorption control valve (33) is disposed at a position downstream of the control valve (29) for a boom. The pulsation absorption control valve (33) is switched between a shut off position (d) and a connected position (e) by a pilot pressure from a remote operation valve (51). The pulsation absorption control valve (33) is configured in such a manner that one main conduit (32A) of a pair of main conduits (32A, 32B) is connected to or shut off from an accumulator (38) through one connection conduit (36A) and the other main conduit (32B) is connected to or shut off from the tank (11) side through the other connection conduit (36B). The accumulator (38) is caused to operate as a dynamic damper during the travel of the vehicle. The configuration can simplify the structure of the connection conduit (36A) and improve the efficiency of assembly work.

No. of Pages : 118 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1310/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SADDLE-RIDING TYPE VEHICLE

(51) International classification	:F02N3/04
(31) Priority Document No	:JP2011-262749
(32) Priority Date	:30/11/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)HIRONARI SUZUKI, and YUSUKE KINO

(57) Abstract :

A saddle riding type vehicle that allows an ignition plug, an ignitioncoil, and a plug cord to be arranged efficiently is provided. The vehicle includes an engine (34) having a cylinder head (42), an ignition plug (58) attached at a side surface of the cylinder head (42), an ignition coil (60) attached at a side surface opposite to the side surface provided with the ignition plug (58) among the side surfaces of the cylinder head (42), and a plug cord (68) arranged to connect the ignition plug 58 and the ignition coil (60). The plug cord (68) is provided under the cylinder head (48).

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

(54) Title of the invention : AUDIO ENCODER, AUDIO DECODER, METHOD FOR ENCODING AND AUDIO INFORMATION, METHOD FOR DECODING AN AUDIO INFORMATION AND COMPUTER PROGRAM USING AN OPTIMIZED HASH TABLE

<p>(51) International classification :G10L19/00 (31) Priority Document No :61/365,936 (32) Priority Date :20/07/2010 (33) Name of priority country :U.S.A. (86) International Application No :PCT/EP2011/062478 Filing Date :20/07/2011 (87) International Publication No :WO 2012/016839 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Address of Applicant :Hansastr. 27c, 80686 Muenchen, GERMANY (72)Name of Inventor : 1)FUCHS, Guillaume 2)SUBBARAMAN, Vignesh 3)MULTRUS, Markus 4)RETTELACH, Nikolaus 5)HILDENBRAND, Matthias 6)WEISS, Oliver 7)TRITTHART, Arthur 8)WARMBOLD, Patrick</p>
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(57) Abstract :

An audio decoder for providing a decoded audio information on the basis of an encoded audio information comprises an arithmetic decoder for providing a plurality of decoded spectral values on the basis of an arithmetically encoded representation of the spectral values, and a frequency-domain-to-time-domain converter for providing a time-domain audio representation using the decoded spectral values, in order to obtain the decoded audio information. The arithmetic decoder is configured to select a mapping rule describing a mapping of a code value representing a spectral value, or a most significant bit-plane of a spectral value, in an encoded form, onto a symbol code representing a spectral value, or a most significant bit-plane of a spectral value, in a decoded form, in dependence on a context state described by a numeric current context value. 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 a hash table, entries of which define both significant state values amongst the numeric context values and boundaries of intervals of numeric context values, in order to select the mapping rule, wherein the hash table `ari_hash_m` is defined as given in Figs. 22(1), 22(2), 22(3) and 22(4). The arithmetic decoder is configured to evaluate the hash table, to determine whether the numeric current context value is identical to a table context value described by an entry of the hash table or to determine an interval described by entries of the hash table within which the numeric current context value lies, and to derive a mapping rule index value describing a selected mapping rule in dependence on a result of the evaluation.

No. of Pages : 211 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3131/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CROSS-PLATFORM APPLICATION FRAMEWORK

(51) International classification :G06F3/00,G06F9/44,G06F9/46
(31) Priority Document No :61/324,672
(32) Priority Date :15/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/032714
Filing Date :15/04/2011
(87) International Publication No :WO 2011/130651
(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 :

One set of instructions is generated in part by compiling application-specific source code. When natively executed on a platform provided by a device, the set of instructions provides an application. Another set of instructions is generated in part by compiling the same business logic source code. When natively executed on another platform provided by another device, the other set of instructions provides the same application. The business logic source code is substantially free of code specific to any platform. Moreover, the business logic source code defines substantially all application- specific functionality of the application.

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

(54) Title of the invention : AUTOMATIC TILT-POURING METHOD AND STORAGE MEDIUM HAVING LADLE TILT CONTROL PROGRAM STORED THEREON

(51) International classification :B22D41/06,B22D35/04,B22D37/00
 (31) Priority Document No :2010-098401
 (32) Priority Date :22/04/2010
 (33) Name of priority country:Japan
 (86) International Application No :PCT/JP2011/051478
 Filing Date :26/01/2011
 (87) International Publication No :WO 2011/132442
 (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)TERASHIMA, Kazuhiko
3)FUKUSHIMA, Ryusuke
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5)OTA, Kazuhiro
6)MAKINO, Hiroyasu

(57) Abstract :

Provided is a pouring method for precisely dropping a metal melt, which flows from a ladle to a pouring gate in a mold. A method which uses a computer to control an input voltage applied to a servo motor that tilts a ladle, an input voltage applied to a servo motor that moves the ladle forward and backward, and an input voltage applied to a servo motor that moves the ladle upward and downward, so as to precisely drop a metal melt that flows from the ladle to a pouring gate in a mold, wherein a mathematical model of the falling path of the metal melt that flows from the ladle is created. The falling position of the metal melt is estimated by means of a pouring velocity estimation unit and a falling position estimation unit, by obtaining the inverse model of the mathematical model and considering the effect of contracted flow. Falling position data is processed by the computer, thereby obtaining the input voltages for the servo motor that tilts the ladle, the servo motor that moves the ladle forward and backward, and the servo motor that moves the ladle upward and downward. The three servo motors are controlled in accordance with the obtained input voltages.

No. of Pages : 34 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.238/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : HETEROCYCLE CATALYZED ELECTROCHEMICAL PROCESS

(51) International classification :C25B3/04
(31) Priority Document No :12/846,011
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045521
Filing Date :27/07/2011
(87) International Publication No :WO 2012/015909
(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)BOCARSLY, Andrew, B.

(57) Abstract :

A method for heterocycle catalyzed electrochemical reduction of a carbonyl compound is disclosed. The method generally includes steps (A) to (C). Step (A) may introduce the carbonyl compound into a solution of an electrolyte and a heterocycle catalyst in a divided electrochemical cell. The divided electrochemical cell may include an anode in a first cell compartment and a cathode in a second cell compartment. The cathode generally reduces the carbonyl compound to at least one aldehyde compound. Step (B) may vary which of the aldehyde compounds is produced by adjusting one or more of (i) a cathode material, (ii) the electrolyte, (iii) the heterocycle catalyst, (iv) a pH level and (v) an electrical potential. Step (C) may separate the aldehyde compounds from the solution.

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

(54) Title of the invention : HEAT EXCHANGE DEVICE AND COMMUNICATION TUBE USED IN THE SAME

(51) International classification	:F25B41/00,F25B39/02	(71)Name of Applicant :
(31) Priority Document No	:2010-103424	1)DAIKIN INDUSTRIES, LTD.
(32) Priority Date	:28/04/2010	Address of Applicant :Umeda Center Building, 4-12,
(33) Name of priority country	:Japan	Nakazaki-Nishi 2-chome, Kita-ku, Osaka-shi, Osaka 530-8323,
(86) International Application No	:PCT/JP2011/056567	JAPAN
Filing Date	:18/03/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/135946	1)MICHITSUJI, Yoshiharu
(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 heat exchanging device which is provided with: a heat exchanger (15), which has a plurality of heat transfer tubes (24) wherein a refrigerant circulates, and which functions as an evaporator; a plurality of connecting tubes (27) which are connected to respective heat transfer tube (24) end portions on the refrigerant discharge side; and a header (28) which is connected to the connecting tube (27) end portions on the refrigerant discharge side and which joins together the refrigerant discharged from the connecting tubes (27). At least some of the connecting tubes (27) are composed of flow channel-expanded connecting tubes (27) wherein the flow channel cross section area on the header (28) side is formed larger than the flow channel cross-section area on the heat transfer tube (24) side.

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

(54) Title of the invention : LOW-PROFILE RIVET-LIKE FASTENER

(51) International classification :F16B37/06,F16B37/04,F16B13/04
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/US2010/001915
 Filing Date :07/07/2010
 (87) International Publication No :WO 2012/005715
 (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)WU Sheng-yuan

(57) Abstract :

A low-profile rivet-like fastener (10) is adapted to be mounted in a hole (19) provided through a wall (15). The wall has a forwardly-facing surface (16) and an opposite rearwardly-facing surface (18). The improved fastener broadly includes: an elongated tubular body (11), a nut (12), a ring (13), and a retainer (14). The body has a front end and a rear end. A flange (22) extends outwardly from the body adjacent the front end. This flange has a rearwardly facing surface (23) adapted to about a marginal portion of the wall forwardly facing surface (16) about the hole. The body rear end having a rearwardly facing surface (24). The body also has an inwardly extending lug (27) adjacent the body rear end. The axial extent of the lug being defined between the body rearwardly facing surface (24) and a forwardly facing annular surface (29) on the body. The nut (12) has a head portion (30) and a collar portion (31) extending forwardly from the head portion. The head portion has a forwardly facing abutment surface (32) adapted to face toward the body rearwardly, facing surface (24). The collar portion (31) has an intermediate portion passing through the lug and terminating in an end. The ring (13) surrounds the collar intermediate portion. The retainer (14) is associated with the collar intermediate portion for preventing the ring from separating from the collar intermediate portion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3118/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS, METHOD AND COMPUTER PROGRAM FOR GENERATING A WIDEBAND SIGNAL USING GUIDED BANDWIDTH EXTENSION AND BLIND BANDWIDTH EXTENSION

(51) International classification :G10L21/02

(31) Priority Document No :61/324,962

(32) Priority Date :16/04/2010

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

(86) International Application No :PCT/EP2011/055889

Filing Date :14/04/2011

(87) International Publication No :WO 2011/128399

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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3)SCHNELL Markus

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(57) Abstract :

An apparatus, method and computer program for generating a wideband signal using a lowband input signal comprises a processor (23) for performing a guided bandwidth extension operation using transmitted parameters and a blind bandwidth extension operation only using derived parameters rather than transmitted parameters. To this end, the processor comprises a parameter generator (24) for generating the parameters for the blind bandwidth extension operation.

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3107/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PRODUCING SPRING

(51) International classification :F16F1/02,B05D7/14,C21D9/02
(31) Priority Document No :2010-065507
(32) Priority Date :23/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/056051
Filing Date :15/03/2011
(87) International Publication No :WO 2011/118451
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

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3)SUZUKI Hidekazu

(57) Abstract :

In the provided method for producing a spring with a painted surface, the paint baking and low temperature annealing are combined, and the time for said treatment is shortened. The production method has a heating step (S12) for heating the spring to a predetermined set temperature and painting steps (S14, S16) for, while cooling the heated spring by a predetermined cooling pattern, spraying paint onto the surface of the spring and baking the spring. In addition, the set temperature in the heating step and the cooling pattern in the painting steps are set in a manner such that the spring is annealed at a prescribed low temperature during the heating step and painting steps.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3108/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PRINTING INK DRYING AGENT AND PRINTING INK USING SAME

(51) International classification	:C09D11/02
(31) Priority Document No	:2010-134974
(32) Priority Date	:14/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/063004
Filing Date	:07/06/2011
(87) International Publication No	:WO 2011/158694
(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)OHTSUBO Takanori

(57) Abstract :

Provided is a drying agent for printing ink that is characterized in that it comprises a fatty acid manganese salt (A) and an amino alcohol (B) represented by Formula (1). Said printing ink drying agent exhibits drying power that is equal to or greater than the superior drying power of cobalt metal soaps, reducing the amount used or without the use of cobalt metal soaps, the effects on the human body of which are a concern. (1) (In the formula, R1 and R2 each independently represent hydrogen atoms or C1 to C6 alkyl groups, X1 and X2 each independently represent C2 to C6 alkylene groups, and Y represents -NR3- (wherein R3 represents a hydrogen atom or C1 to C6 alkyl group) or an oxygen atom.)

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3109/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRIC WIRE CONNECTION METHOD AND WIRE HARNESS

(51) International classification :H01R43/048

(31) Priority Document No :2010-090524

(32) Priority Date :09/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/058922

Filing Date :08/04/2011

(87) International Publication No :WO 2011/126115

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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3)MURAMATSU, Saori

4)KAI, Shinya

5)NAKAJIMA, Takahito

(57) Abstract :

Disclosed is an electric wire connection method wherein, regarding cables (13, 14) which have a core having a diameter larger than that of a core that can be crimped by a wire barrel,(18) the diameter of a core (16) is reduced to a diameter suitable for crimping the wire barrel (18) around the core, by an ultrasonic treatment in which ultrasonic energy is applied to the core (16) while the core (16) is pressurized and thereafter, the core (16) of each cable (13 14) having a core size reduced by the ultrasonic treatment is swaged by a pair of crimping pieces (18B) of a terminal fitting (15), to crimp or pressure bond the terminal fitting around the core. Regarding cables (11, 12) which have a core that can be crimped by the wire barrel (18), the core (16) of each cable (11, 12) is swaged by a pair of crimping pieces (18B) of the terminal fitting (15), to crimp the terminal fitting around the core.

No. of Pages : 25 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3110/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PRODUCING VEHICLE STABILIZER

(51) International classification :B60G21/055,B05D3/02,B05D3/14
(31) Priority Document No :2010-059611
(32) Priority Date :16/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/056050
Filing Date :15/03/2011
(87) International Publication No :WO 2011/115110
(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)ITO Toru
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(57) Abstract :

Provided is a method for producing a vehicle stabilizer, which involves completing a coating step in a short period of time by heating a stabilizer by means of conduction heating. First, a stabilizer is heated by means of conduction heating (S10). Then, the surface of the stabilizer, which was subjected to conduction heating, is coated (S12). During the conduction heating step (S10), the surface temperature rising speed of the straight line section of the stabilizer is controlled to be between 10 to 30°C/sec.

No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3111/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RUTHENIUM BASED COMPLEXES

(51) International classification	:C07F15/00
(31) Priority Document No	:10163504.3
(32) Priority Date	:21/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2011/052108
Filing Date	:13/05/2011
(87) International Publication No	:WO 2011/145032
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)BONNAUDET, Serge

(57) Abstract :

The present invention relates to the field of one step process for the preparation of monomeric or dimeric [Ru(diene)(OOCR)₂]_n complexes from [(diene)Ru Cl₂]_n, as well as a new class of [Ru(diene)(OOCR)₂]_n complexes and their use to prepare [Ru(PP)(OOCR)₂] complexes which are good catalysts.

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3100/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR RECOVERING ETHANOL WITH SIDEDRAWS TO REGULATE C3+ ALCOHOLS CONCENTRATIONS

(51) International classification :C07C29/149,C07C29/80,C07C31/08
(31) Priority Document No :61/332,696
(32) Priority Date :07/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035586
Filing Date :06/05/2011
(87) International Publication No :WO 2011/140485
(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)AMLEH Wael
3)HALE Trinity
4)WOLLRAB Radmila
5)JOHNSTON Victor J.

(57) Abstract :

Purification and/or recovery of ethanol from a crude ethanol product obtained from the hydrogenation of acetic acid. Separation and purification processes of a crude ethanol mixture are employed to allow recovery of ethanol and remove impurities. In particular, the process involves one or more sidedraws to regulate C3+ alcohols concentration in the recovered ethanol.

No. of Pages : 38 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3101/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR RECYCLING GAS FROM ACETIC ACID HYDROGENATION

(51) International classification :C07C29/149,C07C29/80,C07C31/08
(31) Priority Document No :61/332,696
(32) Priority Date :07/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035564
Filing Date :06/05/2011
(87) International Publication No :WO 2011/140468
(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)RADMILA WOLLRAB
2)JOHNSTON Victor J.
3)WARNER R. Jay
4)POTTS John
5)STEPHEN KERLEGON

(57) Abstract :

Monitoring and recycling gases from acetic acid hydrogenation reaction to maintain a constant pressure in the hydrogenation reaction system. Purging of the vapor stream comprising hydrogen may be limited or reduced. Further purging of the by product may be from the dissolved by product gases.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3102/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FRIZZLED-BINDING AGENTS AND USES THEREOF

(51) International classification :C07K14/00,G01N33/53
(31) Priority Document No :61/320,175
(32) Priority Date :01/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/030950
Filing Date :01/04/2011
(87) International Publication No :WO 2011/123785
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ONCOMED PHARMACEUTICALS, INC.
Address of Applicant :800 Chesapeake Drive, Redwood City,
CA 94063 United States of America
(72)**Name of Inventor :**
1)GURNEY, Austin, L.

(57) Abstract :

Novel anti-cancer agents, including, but not limited to, antibodies and other polypeptides that bind to human frizzled receptors are provided. Novel epitopes within the human frizzled receptors which are suitable as targets for anti cancer agents are also identified. Methods of using the agents or antibodies such as methods of using the agents or antibodies to inhibit Wnt signaling and/or inhibit tumor growth are further provided. Screening methods are also provided.

No. of Pages : 215 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3103/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ALCOHOL PRODUCTION PROCESS INTEGRATING ACETIC ACID FEED STREAM COMPRISING WATER FROM CARBONYLATION PROCESS

(51) International classification :C07C29/149,C07C29/80,C07C29/76
(31) Priority Document No :61/332,696
(32) Priority Date :07/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035551
Filing Date :06/05/2011
(87) International Publication No :WO 2011/140460
(61) 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 75234-6034, U.S.A.
(72)Name of Inventor :
1)WOLLRAB Radmila
2)JOHNSTON Victor J.
3)PAN Tianshu
4)SCATES Mark O.
5)SHAVER Ronald David
6)WARNER R. Jay
7)WEINER Heiko
8)CHAPMAN Josefina T.

(57) Abstract :

In one embodiment the invention is to a process for producing ethanol comprising the step of providing from a distillation column in a carbonylation process a purified acetic acid stream comprising up to 25 wt.% water. The process further comprises the step of hydrogenating acetic acid of the purified acetic acid stream in the presence of a catalyst and under conditions effective to form a crude ethanol product comprising ethanol and water. Ethanol is recovered from the crude ethanol product.

No. of Pages : 45 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3104/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RECLAIMING TOLUENEDIAMINE FROM TAR WASTE RESIDUE DISCHARGED FROM SYNTHESIS OF TOLUENE DIISOCYNATE.

(51) International classification	:C07C211/51,C07C209/00	(71)Name of Applicant :
(31) Priority Document No	:201110029377.6	1)CANGZHOU FENGYUAN ENVIRONMENTAL
(32) Priority Date	:27/01/2011	PROTECTION SCIENCE AND TECHNOLOGY CO., LTD.
(33) Name of priority country	:China	Address of Applicant :South of the No.1 Planning Road,
(86) International Application No	:PCT/CN2011/084196	Zhongjie Industrial Park Cangzhou, Hebei 061108, China.
Filing Date	:19/12/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/100609	1)SU, Deshui
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a process for reclaiming toluenediamine (TDA) from tar waste residue discharged from the synthesis of toluene diisocynate (TDI). The process has mild reaction conditions in which the reaction temperature is 120 180C and the pressure is 0 0.95 MPa; the recovery rate is up to 60% and the phase transfer catalyst and water can be recycled.

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

(54) Title of the invention : PROCESS FOR THE PREPARATION OF A SOLID METALLOCENE CATALYST SYSTEM AND ITS USE IN POLYMERISATION OF OLEFINS

(51) International classification :C08F10/00,C08F4/659,C07F5/06
 (31) Priority Document No :10162260.3
 (32) Priority Date :07/05/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/056700
 Filing Date :28/04/2011
 (87) International Publication No :WO 2011/138211
 (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 :Wagramer Strasse 17-19, A-1220 Vienna, Austria

(72)Name of Inventor :

1)VALONEN, Jenni

2)MUSTONEN, Marja

(57) Abstract :

Process for the preparation of a solid olefin polymerisation 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 I) generating an emulsion by dispersing a liquid clathrate in a solvent,(S) wherein (i) the solvent (S) constitutes the continuous phase of the emulsion and comprises a nonreactive fluorinated synthetic oil having a viscosity at 20°C according to ASTM D445of at least 10 cSt up to 2000 cSt (ii) the liquid clathrate constitutes in form of droplets the dispersed phase of the emulsion, II) solidifying said dispersed phase to convert said droplets to solid particles and III) optionally recovering said particles to obtain said catalyst system wherein the liquid clathrate comprises (a) a lattice being the reaction product of a1) a transition metal compound of formula (I) LRTX wherein T is a transition metal of anyone of the groups 3 to 10 of the periodic table (IUPAC2007), preferably a transition metal of anyone of the groups 4 to 6 of the periodic table (IUPAC2007), more preferably titanium (Ti), zirconium (Zr) or hafnium (Hf), i.e. zirconium (Zr) or hafnium (Hf), each X is independently a monovalent s ligand each L is independently an organic ligand which coordinates to the transition metal (T), R is a bridging group linking said organic ligands (L), m is 2 or 3 preferably 2, n is 0, 1 or 2, preferably 1, q is 1, 2 or 3, preferably 2 m+q is equal to the valency of the transition metal (T), a2) a cocatalyst comprising aluminoxane a3) a compound being effective to form the lattice with the transition metal compound and/or the aluminoxaneand b) a hydrocarbon solvent (HS).

No. of Pages : 39 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3112/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POWER SUPPLY SYSTEM, POWER TRANSMITTER, AND POWER RECEIVER

(51) International classification :H02J17/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2010/056562
Filing Date :13/04/2010

(87) International Publication No :WO 2011/128969

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :1-1, Kamikodanaka 4-chome,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN

(72)Name of Inventor :

1)TAGUCHI Masakazu

(57) Abstract :

Power supply systems (20, 22) comprise one or more power transmitters (210, 310) and one or more power receivers (230, 330). The one or more power transmitters (210, 310) transmit identification information and power transmission conditions to the one or more power receivers (230, 330), receive identification information and power reception conditions from the one or more power receivers, wirelessly transmit power to the one or more power receivers according to the power transmission and reception conditions, and generate power transmission amount information showing the amount of the power transmitted to the one or more power receivers. The one or more power receivers (230, 330) receive identification information and power transmission conditions from the one or more power transmitters transmit identification information and power reception conditions to the one or more power transmitters, wirelessly receive power from the one or more power transmitters according to the power transmission and reception conditions generate power reception amount information, and transmit the identification information and the power reception amount information via a network.

No. of Pages : 90 No. of Claims : 12

(54) Title of the invention : ADEHESIVE RESIN COMPOSITION AND MOLDED PRODUCTS

(51) International classification :C09J153/02,B32B25/04,B32B27/32
(31) Priority Document No :2010-095183
(32) Priority Date :16/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/002095
Filing Date :08/04/2011
(87) International Publication No :WO 2011/129080
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KANEKA CORPORATION
Address of Applicant :2-4, Nakanoshima 3-chome, Kita-ku,
Osaka-shi, Osaka 5308288 JAPAN
(72)Name of Inventor :
1)OKADA Yasunori
2)MATSUMOTO Takashi
3)MICHINOBU Takao

(57) Abstract :

An adhesive resin composition is disclosed for the purpose of providing a hot-melt type adhesive film which enables the production of laminates at low temperature and which exhibits sufficient adhesiveness and heat resistance and excellent workability. The adhesive resin composition comprises as the essential components, a base resin consisting of (A) 30 to 90 parts by weight of a modified ethylene/olefin copolymer and (B) 70 to 10 parts by weight of a styrene based thermoplastic elastomer (with the proviso that the total sum of (A) and (B) is 100 parts by weight), and (C) 30 to 60 parts by weight (relative to 100 parts by weight of the base resin) of a tackifier, said modified ethylene/olefin copolymer being an ethylene/olefin copolymer that is graft modified with (a) an unsaturated carboxylic acid or a derivative thereof and (b) an aromatic vinyl monomer that contains the component (a) in an amount of 0.1 to 5wt%, and that exhibits in DSC, a melting point peak with a heat of crystal fusion of 0.5 to 10J/g in a temperature range of 100 to 150°C.

No. of Pages : 40 No. of Claims : 12

(54) Title of the invention : OPERATING METHOD FOR A PRODUCTION LINE WITH PREDICTION OF THE COMMAND SPEED

(51) International classification	:B21B37/74,C21D11/00	(71)Name of Applicant :
(31) Priority Document No	:EP 10162135.7	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:06/05/2010	Address of Applicant :Wittelsbacherplatz 2, 80333 München
(33) Name of priority country	:EPO	GERMANY
(86) International Application No	:PCT/EP2011/053513	(72)Name of Inventor :
Filing Date	:09/03/2011	1)WEINZIERL Klaus
(87) International Publication No	:WO 2011/138067	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

At the latest at an instant, at which a first belt point (12) of a belt (2) is still situated in front of a production line (1), in each case an actual value (G) and a setpoint value (G) are known to a control computer (8) for the first and a number of second and third belt points (12, 13, 13) of the belt (2). For each belt point (12, 13, 13), the actual value (G) is characteristic of the actual energy content which the respective belt point (12, 13, 13) has at a location (xE) in front of the production line (1). For each belt point (12, 13, 13) the setpoint value (G) is characteristic of the setpoint energy content which the respective belt point (12, 13, 13) has at a location (xA) behind the production line (1). The second belt points (13) run after the first belt point (12) into the production line (1), and the third belt points (13) run in in front of the first belt point (12). Before the first belt point (12) runs into the production line (1), the control computer (8) determines in each case one command variable (L) for the first belt point (12) and at least part of the second belt points (13) using a respective determining regulation. Using the respective command variable (L), the control computer (8) determines in each case one command speed (vL) and operates the production line (1) at the respective command speed (vL) at the instant when the respective belt point (12, 13) runs into the production line (1). For the respective command variable (L) its determining regulation involves the actual and setpoint values (G, G) of the belt point (12 13) which runs in each case into the production line (1) at this instant and the actual and setpoint values (G, G) of at least one belt point (12, 13, 13) which has already entered the production line (1) at this instant.

No. of Pages : 71 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.27/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : DRUM AND MACHINE FOR DISTRIBUTING TABLETS AND RELATIVE METHOD

(51) International classification :B65B5/10,B65B9/04,B65B35/46
(31) Priority Document No :MI2010A001006
(32) Priority Date :04/06/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/001195
Filing Date :01/06/2011
(87) International Publication No :WO 2011/151706
(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 :Via Emilia, 428/442, I-40064 Ozzano
Dell'Emilia (IT). Italy
(72)Name of Inventor :
1)BARONCINI, Ivano

(57) Abstract :

The invention concerns a machine (10) for distributing tablets on a support strip having a determinate number n of compartments or alveoli (16) disposed organized in parallel rows and each able to hold at least one tablet. The machine (10) comprises an alignment device (12), a conveying device (13) with transfer pipes and a rotating transfer drum (15) provided with seatings (27) on an external surface. The seatings (27) are made on distinct gripping and transport elements (25, 26) disposed peripherally and axially to the transfer drum (15).

No. of Pages : 18 No. of Claims : 16

(54) Title of the invention : ANGULAR COMPENSATOR

(51) International classification :F16L27/11,H02B5/06,H02G5/06
(31) Priority Document No :202010006779.0
(32) Priority Date :06/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/056599
Filing Date :27/04/2011
(87) International Publication No :WO 2011/138196
(61) 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 AKTIENGESELLSCHAFTAddress of Applicant :Wittelsbacherplatz 2, 80333 MÜNCHEN
GERMANY

(72)Name of Inventor :

1)Markus SCHMIDTKE**2)Steffen RAUTENBERG**

(57) Abstract :

The invention relates to an angular compensator for a gasinsulated high-voltage installation having a first annular flange (1) and a second annular flange (2) having in each case one flange plane (3a, 3b) and hinge flaps (13, 14), which project from the respective flange plane (3a, 3b) and are connected to one another such that they can rotate, by means of which hinge flaps the first and the second annular flange (1, 2) can pivot relative to one another about a pivot axis which passes through the hinge flaps (13, 14), wherein the annular flanges (1, 2) are connected to one another by means of a compensation bellows which rests in a fluidtight manner on the annular flanges (1, 2), wherein the hinge flaps (13, 14) merge into a supporting rib (18) in the circumferential direction of the annular flanges (1, 2), at least in a first direction, wherein supporting ribs (18) of two hinge flaps (13, 14) which are connected to one another as hinges (15a, 15b) such that they can rotate cover one another.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3206/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POLYMORPHIC FORMS ST-246 AND METHODS OF PREPARATION

(51) International classification :A01N43/42,A61K31/44
(31) Priority Document No :61/316,747
(32) Priority Date :23/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/029576
Filing Date :23/03/2011
(87) International Publication No :WO 2011/119698
(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)STONE Melialani, A.C.L.

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4)NELSON Dylan

5)BOLKEN Tove C.

6)HRUBY Dennis E.

7)O'NEILL Michael H.

8)SWEETAPPLE Gary

9)McCLOUGHAN Kelley A.

(57) Abstract :

Polymorph forms of 4 -trifluoromethyl -N- (3, 3a, 4, 4a, 5, 5a, 6, 6a- octahydro-1, 3 -dioxo- 4, 6 -ethenocycloprop [f] isoindol -2(1H)-yl) - benzamide are disclosed as well as their methods of synthesis and pharmaceutical compositions.

No. of Pages : 117 No. of Claims : 116

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3208/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DEVICE FOR DAMPING SLOSHING OF OIL FOR A SCREW-TYPE COMPRESSOR

(51) International classification :F04B39/04,F04C18/16,F04C29/02
(31) Priority Document No :10 2010 015 147.5
(32) Priority Date :16/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/055784
Filing Date :13/04/2011
(87) International Publication No :WO 2011/128362
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
**1)KNORR-BREMSE SYSTEME FÜR
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Address of Applicant :Moosacher Str. 80, 80809 Munich,
GERMANY
(72)Name of Inventor :
1)KÖCK Engelbert

(57) Abstract :

The invention relates to a screw-type compressor, in particular for use in a vehicle, wherein the screw-type compressor has an oil sump 1 with a device for damping sloshing of oil. According to the invention, a screw-type compressor is made available in which the device for damping sloshing of oil is improved compared to the prior art. This is achieved in that the device for damping sloshing of oil is a barrier device which prevents the oil from rising up a housing wall of the screw-type compressor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3210/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD OF MANUFACTURING THE SILICA NANOPOWDERS WITH FUNGICIDAL PROPERTIES, ESPECIALLY FOR POLYMER COMPOSITES

(51) International classification :C01B33/146

(31) Priority Document No :P-391169

(32) Priority Date :07/05/2010

(33) Name of priority country :Poland

(86) International Application No :PCT/PL2011/000047

Filing Date :05/05/2011

(87) International Publication No :WO 2011/139170

(61) Patent of Addition to Application :NA

Number :NA

Filing Date

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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1)ZIELECKA, Maria

2)BUJNOWSKA, El bieta

3)JEZIRSKA, Regina

4)CYRUCHIN, Krystyna

5)K PSKA, Blanka

6)WENDA, Magdalena

(57) Abstract :

Method of manufacturing the silica nanopowders with fungicidal properties, consists in that the silica gel is obtained by sol-gel method from the reaction mixture containing tetraalkoxysilane and aliphatic alcohol, in the presence of ammonium compound, and thereafter the thermodegradable copper (II) salt a compound from the group of carbofunctional alkoxysilanes, and then, after evaporation of solvents the dry residue is heated at the decomposition temperature of copper (II) salt.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1218/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AIR SAMPLE TRACKING SYSTEM AND METHOD

(51) International classification	:G01N1/26
(31) Priority Document No	:61/552,264
(32) Priority Date	:27/10/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CALIO ROSARIO
2)PHILLIPS MARK A.
3)JOYCE JOHN

(57) Abstract :

A system for tracking one or more subjects for collecting airborne contaminants. The system includes one or more subjects configured to collect air contaminants. Each of the one or more subjects includes an identification tag encoded with identification information identifying the each subject. The system further includes an identification reader configured to decode the identification information encoded within the identification tag of a scanned one of the one or more identification tags. A computer receives and stores the decoded identification information in a record in a database. The computer may also receive and stored an identification code for a user who scanned the scanned identification tag in the record in the database. Additional records in the database are created each time the identification tag of one of the one or more subjects is scanned. The one or more subjects are thereby tracked as they collect airborne contaminants and are incubated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.158/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CO2 ABSORPTION FROM GAS MIXTURES USING AN AQUEOUS SOLUTION OF 4-AMINO-2,2,6,6-TETRAMETHYLPYPERIDINE

(51) International classification	:B01D 53/62
(31) Priority Document No	:10 2009 000 543.9
(32) Priority Date	:02/02/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/051083
Filing Date	:29/01/2010
(87) International Publication No	:WO 2010/089257
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3150/KOLNP/2011
Filed on	:25/07/2011

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(72)Name of Inventor :

1)MATTHIAS SEILER

2)JÖRN ROLKER

3)ROLF SCHNEIDER

4)BERND GLÖCKLER

5)AXEL KOBUS

6)WOLFGANG BENESCH

7)THOMAS RIETHMANN

8)HERMANN WINKLER

9)JENS REICH

10)HELMUT BRÜGGEMANN

(57) Abstract :

A method for the absorption of CO2 from a gas mixture by contacting the gas mixture with an absorption medium, wherein the absorption medium comprises water and at least one amine of formula (I) where R1 and R2 independently of one another are hydrogen or an alkyl moiety with the proviso that R1 and R2 are not both hydrogen.

No. of Pages : 27 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.200/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : WINDOW PANE HAVING AN ANTENNA

(51) International classification	:H01Q1/12,H01Q1/32	(71)Name of Applicant :
(31) Priority Document No	:10172490.4	1)SAINT-GOBAIN GLASS FRANCE
(32) Priority Date	:11/08/2010	Address of Applicant :18 avenue d'Alsace, 92400 Courbevoie,
(33) Name of priority country	:EPO	France
(86) International Application No	:PCT/EP2011/063481	(72)Name of Inventor :
Filing Date	:04/08/2011	1)ALTES Jens
(87) International Publication No	:WO 2012/019964	2)KÖTTE Rolf
(61) Patent of Addition to Application	:NA	3)LABROT Michael
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a vehicle window pane having an antenna mount, comprising: a. an opening (1) in a laminated window pane (2) consisting of an outer pane (2a), an intermediate layer (2b) and an inner pane (2c) wherein the inner pane (2c) has a cutout (3) adjacent to the opening (1); b. an adhesive (10) disposed on the outer pane (2a), at the top in the region around the opening (1), and a mounting plate (12) disposed and fixed on the adhesive (10); c. an antenna housing (11) which is disposed on the mounting plate (12) and has a rod shaped antenna mount (6) within the opening (1) and below the cutout (3); and d. a nut (7) or a clip (13) on the antenna mount (6) below or in the cutout (3).

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3228/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRICAL SERVICE SWITCHING DEVICE

(51) International classification :H01H5/04,H01H5/18,H01H71/52
(31) Priority Document No :10 2010 019 031.4
(32) Priority Date :03/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/002034
Filing Date :21/04/2011
(87) International Publication No :WO 2011/137981
(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)WEBER Ralf

2)MUDERS Erwin

(57) Abstract :

The invention relates to an electrical service switching device (1) having a switching mechanism having a latching point, having a contact lever (2) which is connected to a switching knob (5) by means of a lug (3) and a coupling element (4), wherein, when the switching knob (5) is pivoted in the switch on direction the contact lever (2) is moved to the switch on position by means of the coupling element (4) and the lug (3) when the latching point is latched wherein means (10) are provided for temporarily firmly holding the moving contact lever (2) during the switch-on process. An operative connection means (11) is provided between the switching knob (5) and the means (10) in order to move the means (10) to a release position when the switching knob (5) is moved further, the contact lever (2) being released in said release position, with the result that the moving contact piece (6) which is mounted on the contact lever suddenly strikes the stationary contact piece (7).

No. of Pages : 30 No. of Claims : 11

(54) Title of the invention : ELECTROMAGNETICALLY OPERATED SWITCHING DEVICES AND METHODS OF ACTUATION THEREOF

(51) International classification :F16K31/06,F16K31/08
 (31) Priority Document No :1007458.1
 (32) Priority Date :05/05/2010
 (33) Name of priority country :U.K.
 (86) International Application No :PCT/GB2011/050863
 Filing Date :03/05/2011
 (87) International Publication No :WO 2011/138599
 (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)WYGNANSKI, Wladyslaw

(57) Abstract :

An electromagnetically operated switching device comprises an armature (82,102) having a magnetisable and moveable portion (82b,102b) for displacement between two stable rest positions. Two pole pieces (60,62) are disposed on opposite sides of the armature. The pole pieces form poles of opposing polarity adjacent to the armature, and the armature is magnetically attracted to a respective pole piece in each of its stable rest positions. A coil (54) is arranged to polarise the moveable portion of the armature when the coil is energised, such that the moveable portion of the armature is displaced from one stable rest position to the other by energising the coil so as to polarise the portion to the opposite polarity to the adjacent pole piece. Each pole piece (60,62) comprises a permanent magnet (68,70) with the permanent magnets disposed on opposite sides of the moveable portion (82b,102b) of the armature (82,102). The device may be configured to control the flow of fluids.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3097/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GENOME EDITING OF A ROSA LOCUS USING ZINC-FINGER NUCLEASES

(51) International classification	:C12N15/00,C12N15/87	(71)Name of Applicant :
(31) Priority Document No	:61/343,287	1)SANGAMO BIOSCIENCES, INC.
(32) Priority Date	:26/04/2010	Address of Applicant :Point Richmond Tech Center, 501
(33) Name of priority country	:U.S.A.	Canal Blvd., Suite A100, Richmond, California 94804 UNITED
(86) International Application No	:PCT/US2011/000725	STATES OF AMERICA
Filing Date	:25/04/2011	2)SIGMA ALDRICH CO. LLC
(87) International Publication No	:WO 2011/139335	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	1)CUI, Xiaoxia
Number	:NA	2)DAVIS, Gregory
Filing Date	:NA	3)GREGORY, Philip, D.
(62) Divisional to Application Number	:NA	4)HOLMES, Michael, C.
Filing Date	:NA	5)WEINSTEIN, Edward, J.

(57) Abstract :

Disclosed herein are methods and compositions for genome editing of a Rosa locus, using fusion proteins comprising a zinc-finger protein and a cleavage domain or cleavage half-domain. Polynucleotides encoding said fusion proteins are also provided, as are cells comprising said polynucleotides and fusion proteins.

No. of Pages : 40 No. of Claims : 24

(54) Title of the invention : SEPARATING ETHANOL AND ETHYL ACETATE UNDER LOW PRESSURE CONDITIONS

(51) International classification :C07C29/149,C07C29/80,C07C31/08
(31) Priority Document No :61/332,696
(32) Priority Date :07/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035543
Filing Date :06/05/2011
(87) International Publication No :WO 2011/140455
(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)SARAGER Lincoln
2)WARNER R. Jay
3)HALE Trinity
4)LEE David
5)JOHNSTON Victor J.
6)SALADO Manuel

(57) Abstract :

A crude ethanol product obtained from the hydrogenation of acetic acid comprises ethanol and ethyl acetate. Using a distillation column operated at a pressure of from 0.1 to 100 kPa the ethyl acetate and ethanol may be effectively separated. In addition maintaining the amount of water that is fed to the distillation column to an amount less than 10 wt.%, based on the weight of all components fed to the distillation column, provides an energy benefit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3286/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MEMORY CONTROLLER MAPPING ON-THE-FLY

(51) International classification :G06F12/02,G06F12/06,G06F1/32
(31) Priority Document No :61/323,753
(32) Priority Date :13/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031885
Filing Date :11/04/2011
(87) International Publication No :WO 2011/130141
(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)HENDRY, Ian

2)KODURI, Rajabali

3)GONION, Jeffry

(57) Abstract :

[00134] Systems, methods, and devices for dynamically mapping and remapping memory when a portion of memory is activated or deactivated are provided. In accordance with an embodiment, an electronic device may include several memory banks, one or more processors, and a memory controller. The memory banks may store data in hardware memory locations and may be independently deactivated. The processors may request the data using physical memory addresses and the memory controller may translate the physical addresses to hardware memory locations. The memory controller may use a first memory mapping function when a first number of memory banks is active and a second memory mapping function when a second number is active. When one of the memory banks is to be deactivated, the memory controller may copy data from only the memory bank that is to be deactivated to the active remainder of memory banks.

No. of Pages : 90 No. of Claims : 30

(54) Title of the invention : NEW PROCESS FOR THE SYNTHESIS OF TAPENTADOL AND INTERMEDIATES THEREOF

(51) International classification :C07B57/00,C07C215/54,C07C217/62
(31) Priority Document No :MI2010A001224
(32) Priority Date :02/07/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/052685
Filing Date :20/06/2011
(87) International Publication No :WO 2012/001571
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)BERTOLINI, Giorgio
4)LANDONI, Nicola

(57) Abstract :

The object of the present invention is a new process for the synthesis of tapentadol, both as free base and in hydrochloride form, which comprises the step of alkylation of the ketone (VII) to yield the compound (VIII), as reported in Diagram 1, with high stereoselectivity due to the presence of the benzyl group as substituent of the amino group. It was surprisingly found that this substitution shifts the keto-enol equilibrium towards the desired enantiomer and amplifies the capacity of the stereocenter present in the compound (VII) to orient the nucleophilic addition of the organometallic compound at the carbonyl towards the desired stereoisomer. This substitution thus allows obtaining a considerable increase of the yields in this step and consequently allows significantly increasing the overall yield of the entire tapentadol synthesis process. A further object of the present invention is constituted by the tapentadol free base in solid form obtainable by means of the process of the invention. Still another object of the invention is represented by the crystalline forms I and II of the tapentadol free base. A further object of the present invention is the mixture of the crystalline forms I and II of the tapentadol free base.

No. of Pages : 32 No. of Claims : 30

(54) Title of the invention : METHOD FOR GENERATING OPTIMIZED, CONTINUOUS-CURVATURE 2D OR 3D ROLLER PROFILE CURVES AND CORRESPONDING DEVICE

(51) International classification :G06F17/50
 (31) Priority Document No :10 2010 036 945.4
 (32) Priority Date :11/08/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/062325
 Filing Date :19/07/2011
 (87) International Publication No :WO 2012/019885
 (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)FREITAG Stefan
3)POKS Bernard
4)HENNIG Roland

(57) Abstract :

The invention relates to a method for generating an optimized 2D or 3D roller profile curve (5) having a prescribed desired 2D or 3D roller profile curve (5) of a roller profile (5) that changes along a rolled material feed direction (X) and actuating a flexible roller profile device, in which profiling rollers (11) can be adjusted in a computer controlled manner during a roller profiling process. The method for generating the optimized 2D or 3D roller profile curve comprises the following: a) entering the desired 2D or 3D roller profile curve (5) by means of CAD tools; b) calculating the optimized 2D or 3D roller profile curve (5) from the input and desired 2D or 3D roller profile curve (5) using rounding algorithms, wherein the rounding algorithms round off the 2D or 3D profile curves (5) at a substantially constant curvature, so that the optimized 2D or 3D roller profile curve (5) is generated accordingly, substantially avoiding an uneven curvature; c) confirming or modifying a region of the optimized 2D or 3D roller profile curve (5); and d) saving the optimized 2D or 3D roller profile curve (5).

No. of Pages : 28 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3240/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR CRYSTALLIZATION OF FUCOSE

(51) International classification :C07H1/06,C07H3/02,C07H3/08

(31) Priority Document No :PA 2010 70207

(32) Priority Date :19/05/2010

(33) Name of priority country :Denmark

(86) International Application No:PCT/DK2011/050167

Filing Date :19/05/2011

(87) International Publication No :WO 2011/144213

(61) Patent of Addition to :NA

Application Number :NA

Filing Date

(62) Divisional to Application :NA

Number :NA

Filing Date

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12)RISINGER, Christian

13)DEMK', Sándor

14)KRÖGER, Lars

15)RÖHRIG, Christoph

(57) Abstract :

The present application discloses a method for the crystallization of fucose characterized in that the crystallization is carried out from a mixture comprising fucose and at least one 6 deoxy sugar selected from 6 deoxy talose and 6 deoxy gulose. In one embodiment the mixture comprises fucose and 6 deoxy talose.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3242/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SEAT DEVICE

(51) International classification	:A47C9/00
(31) Priority Document No	:10 2010 020 503.6
(32) Priority Date	:14/05/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/057905
Filing Date	:16/05/2011
(87) International Publication No	:WO 2011/141580
(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)GLÖCKL Josef

(57) Abstract :

The invention relates to a seat device (1), consisting of a foot part (2), an intermediate piece (3) that is connected to the foot part, and a seat (4) that is connected to the intermediate piece (3) and is formed by two individual seat halves (5a,5b), wherein the seat halves can be moved independently of each other, a coupling device (5) is arranged between the seat (4) and the intermediate piece (3), and the seat halves (5a,5b) can be moved horizontally in a translatory manner by means of the coupling device.

No. of Pages : 33 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3246/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ADDITIVE FOR ALKALINE ETCHING SOLUTIONS, IN PARTICULAR FOR TEXTURE ETCHING SOLUTIONS, AND PROCESS FOR PRODUCING IT

(51) International classification :C09K13/02,H01L31/0236
(31) Priority Document No :10 2010 019 079.9
(32) Priority Date :30/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/IB2011/000900
Filing Date :27/04/2011
(87) International Publication No :WO 2011/135435
(61) Patent of Addition to Application :NA
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)SCHMIDT,DR. Michael

(57) Abstract :

Product (56) obtainable by mixing (10; 20) at least one polyethylene glycol, with a base to form a single-phase mixture (52), heating (12; 22) of the single phase mixture (52) to a temperature of 80°C and allowing the single phase mixture (52) to rest (14) in ambient air until the single phase mixture (52) changes colour and also a process for the production of the product (56) and use of the product (56).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3247/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MEMBER FASTENING STRUCTURE AND CLIP FOR FASTENING MEMBER

(51) International classification	:F16B19/10
(31) Priority Document No	:2010-102506
(32) Priority Date	:27/04/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/059734
Filing Date	:20/04/2011
(87) International Publication No	:WO 2011/136105
(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)SASAKI Yuji

(57) Abstract :

A member fastening structure comprises a mounting member (such as a grommet) and a leg member (such as a pin). Between the mounting member (such as a grommet) and the leg member (such as a pin) there are provided protrusions each of which has at least one inclined surface; and protruding walls which when the leg member (such as a pin) is rotated with elastic leg pieces spread apart about the inclined surfaces of the protrusions and guide the leg member (such as a pin) in a direction in which the same disengages from the mounting member (such as a grommet).

No. of Pages : 64 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3088/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INTER-PLANE PREDICTION

(51) International classification :H04N7/26,H04N7/50
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/054840
Filing Date :13/04/2010
(87) International Publication No :WO 2011/127966
(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)WINKEN Martin
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4)MARPE Detlev
5)WIEGAND Thomas

(57) Abstract :

A better rate distortion ratio is achieved by making interrelationships between coding parameters of different planes available for exploitation for the aim of redundancy reduction despite the additional overhead resulting from the necessity to signal the inter plane prediction information to the decoder. In particular, the decision to use inter plane prediction or not may be performed for a plurality of planes individually. Additionally or alternatively, the decision may be done on a block basis considering one secondary plane.

No. of Pages : 100 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3089/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SAMPLE REGION MERGING

(51) International classification :H04N7/26,H04N7/50
(31) Priority Document No :PCT/EP2010/054833
(32) Priority Date :13/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/055795
Filing Date :13/04/2011
(87) International Publication No :WO 2011/128366
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)WINKEN, Martin
4)MARPE, Detlev
5)WIEGAND, Thomas

(57) Abstract :

In accordance with an embodiments, a favorable merging or grouping of simply connected regions into which the array of information samples is sub-divided, is coded with a reduced amount of data. To this end, for the simply connected regions, a predetermined relative locational relationship is defined enabling an identifying for a predetermined simply connected region of simply connected regions within the plurality of simply connected regions which have the predetermined relative locational relationship to the predetermined simply connected region. Namely, if the number is zero, a merge indicator for the predetermined simply connected region may be absent within the data stream. In accordance with even further embodiments a spatial sub division of an area of samples representing a spatial sampling of the two dimensional information signal into a plurality of simply connected regions of different sizes by recursively multi partitioning is performed depending on a first subset of syntax elements contained in the data stream, followed by a combination of spatially neighboring simply connected regions depending on a second subset of syntax elements within the data stream being disjoined from the first subset, to obtain an intermediate sub division of the array of samples into disjoint sets of simply connected regions, the union of which is the plurality of simply connected regions. The intermediate sub division is used when reconstructing the array of samples from the data stream.

No. of Pages : 105 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3090/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MORPHOLINYLQUINAZOLINES

(51) International classification :C07D239/86,C07D239/94,C07D401/04
(31) Priority Document No :10 2010 011 493.6
(32) Priority Date :16/03/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/000767
Filing Date :17/02/2011
(87) International Publication No :WO 2011/113512
(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)FUCHSS, Thomas
3)ZENKE, Frank

(57) Abstract :

The invention relates to compounds of the formulae (I), (II) and (III), where R1, R2, R3, R4, Y, W, W, L, A, Alk, Cyc, Ar, Het, Het, Hal and n have the meaning stated in claim 1, and/or physiologically harmless salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios. The compounds of the formula (I) can be used for inhibiting serine threonine protein kinases and also for sensitizing cancer cells to anticarcinogens and/or ionizing radiation. The invention also relates to the use of compounds of the formula (I) in prophylaxis, therapy or control of the progress of cancer, tumours, metastases or disorders of angiogenesis, in combination with radiotherapy and/or an anticarcinogen. The invention further relates to a method for producing compounds of the formula (I) by reacting compounds of the formulae (II) and (III) and optionally converting a base or acid of the compounds of the formula (I) into one of the salts thereof.

No. of Pages : 94 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3281/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SPINEL CATALYSTS FOR WATER AND HYDROCARBON OXIDATION

(51) International classification :C25B3/02
(31) Priority Document No :61/358,292
(32) Priority Date :24/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041886
Filing Date :24/06/2011
(87) International Publication No :WO 2011/163626
(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)GREENBLATT, Martha

(57) Abstract :

A catalyst for the electrolysis of water molecules and hydrocarbons, the catalyst including catalytic groups comprising $A_{1-x}B_2-yByO_4$ spinels having a cubical M_4O_4 core wherein A is Li or Na, B and B are independently any transition metal or main group metal, M is B, B or both x is a number from 0 to 1, and y is a number from 0 to 2. In photo- electrolytic applications a plurality of catalytic groups are supported on a conductive support substrate capable of incorporating water molecules. At least some of the catalytic groups supported by the support substrate are able to catalytically interact with water molecules incorporated into the support substrate. The catalyst can also be used as part of a photo-electrochemical cell for the generation of electrical energy.

No. of Pages : 41 No. of Claims : 21

(54) Title of the invention : SECURITY FEATURE

(51) International classification :C09K11/79,C09K11/67
 (31) Priority Document No :10 2010 026 627.2
 (32) Priority Date :09/07/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2010/007916
 Filing Date :23/12/2010
 (87) International Publication No :WO 2012/003854
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
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1)KECHT, Johann**2)STOCK, Kai, Uwe****3)STEINLEIN, Stephan**

(57) Abstract :

The invention relates to a security feature comprising a luminescence pigment which has a host grating doped with a luminophore and is optically excited in order to emit luminescence light. The luminescence light of the luminescence pigment has a luminescence spectrum with a first luminescence peak and a second luminescence peak, the intensity of each peak being dependent on a substance constituent amount x of the luminophore in the luminescence pigment. With the luminescence pigment according to the invention, the host grating the luminophore and the substance constituent amount x of the luminophore are selected such that even a slight increase or decrease in the substance constituent amount x of the luminophore brings about an intense relative variation in the peak intensities I and I'. As a result thereof the security against falsification provided by the luminescence pigment according to the invention is increased.

No. of Pages : 25 No. of Claims : 15

(54) Title of the invention : ANTI-BRAIN-TUMOR DRUG

(51) International classification :A61K31/555,A61P35/00,C07C251/24
 (31) Priority Document No :2010-102897
 (32) Priority Date :28/04/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/002118
 Filing Date :11/04/2011
 (87) International Publication No :WO 2011/135784
 (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)EGUCHI, Haruki

(57) Abstract :

Disclosed is a drug that contains as the primary component a metal-salen complex compound that is effective against brain tumors. The anti-brain- tumor drug contains a metal-salen complex compound represented by the belowmentioned chemical formula (I). In the formula, M is a metal atom comprising Fe,Cr,Mn,Co,Ni,Mo,Ru,Rh,Pd,W,Re,Os,Ir,Pt,Nd,Sm,Eu or Gd, and X is a halogen atom.

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

(54) Title of the invention : METHOD FOR GENERATING A THERMAL FLOW, AND MAGNETOCALORIC THERMAL GENERATOR

(51) International classification :F25B21/00
 (31) Priority Document No :10/53253
 (32) Priority Date :28/04/2010
 (33) Name of priority country :France
 (86) International Application No :PCT/FR2011/000255
 Filing Date :27/04/2011
 (87) International Publication No :WO 2011/135205
 (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)HEITZLER, Jean-Claude
2)MULLER, Christian

(57) Abstract :

The present invention relates to a method for generating a thermal flow from at least one thermal module (1) comprising at least two magnetocaloric elements (21,22,23,24) which are connected two-by-two, through which a heat transfer fluid flows, and which are exposed to a variable magnetic field, wherein the heat transfer fluid circulates simultaneously through said elements (21,22,23,24) in a manner synchronized with the variation in the magnetic field. Said method is characterized in that it consists in addition in exposing alternating elements of said elements (21,22,23,24) to an opposite variation in the magnetic field in causing the heat transfer fluid to circulate simultaneously and in opposite directions in said elements (21,22,23,24) in such a manner that the fluid flowing out of one of said elements (21,23; 22) at the end of a heating phase is circulated during the following phase in the following element (22,24; 23) exposed to heating as well as in that the fluid flowing out of one of said elements (22,24; 23) at the end of a cooling phase is circulated during the following phase in the following element (21,23; 22) exposed to cooling and conversely, and in storing between two magnetically opposite, phases, the heat transfer fluid in an intermediate receiving area (81,82,83,91,92,93). The invention also relates to a thermal generator implementing said method.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3252/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NATURAL CHEWING GUM INCLUDING CELLULOSE MATERIALS

(51) International classification :A23G4/10
(31) Priority Document No :61/330,728
(32) Priority Date :03/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/034743
Filing Date :02/05/2011
(87) International Publication No :WO 2011/139943
(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)MCCORMICK, Demetrius
2)CARLISE, Joseph

(57) Abstract :

The present invention relates to chewing gum bases including cellulose fibers, either alone or in combination with other fillers.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3253/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS OF PRODUCING CYCLOALKYLCARBOXAMIDO INDOLE COMPOUNDS

(51) International classification :C07D209/12,C07D317/60,C07D405/12
(31) Priority Document No :61/327,095
(32) Priority Date :22/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/033396
Filing Date :21/04/2011
(87) International Publication No :WO 2011/133751
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)ROSE, Peter, Jamison
5)HUGHES, Robert, Michael
6)JUNG, Young Chun
7)SIESEL, David, Andrew
8)LEE, Elaine, Chungmin
9)BELMONT, Daniel, T.

(57) Abstract :

The present invention features processes for preparing compounds, such as (R)-1-(2,2-difluorobenzo[d][1,3]dioxol-5-yl)-N-(1-(2,3-dihydroxypropyl)-6-fluoro-2-(1-hydroxy 2 methylpropan-2-yl)- 1H-indol-5 -yl)cyclopropanecarboxamide (Compound 1), useful for treating CFTR mediated diseases such as cystic fibrosis.

No. of Pages : 105 No. of Claims : 117

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3291/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FINISHING REACTOR FOR PURIFYING ETHANOL

(51) International classification :C07C 27/04

(31) Priority Document No :61/363,056

(32) Priority Date :09/07/2010

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

(86) International Application No :PCT/US2011/043310

Filing Date :08/07/2011

(87) International Publication No :WO 2012/006499

(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)SARAGER Lincoln

2)WARNER R. Jay

3)WOLLRAB Radmila

4)JOHNSTON Victor J.

5)LEE David

(57) Abstract :

A process for purifying ethanol by using a finishing reactor to remove impurities, such as ethyl acetate, acetaldehyde, acetic acid, and diethyl acetal present in ethanol after distilling a crude product from a hydrogenation reactor. The finishing reactor may reduce the impurities in the presence of hydrogen and a catalyst or may hydrolyze the impurities.

No. of Pages : 51 No. of Claims : 23

(54) Title of the invention : ARRANGEMENT FOR COMPRESSED AIR COUPLING OF A TRAILER TO A TRACTOR VEHICLE

(51) International classification :B60D1/64,B60T7/20,B60T17/04
 (31) Priority Document No :10 2010 013 731.6
 (32) Priority Date :31/03/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/054814
 Filing Date :29/03/2011
 (87) International Publication No :WO 2011/120961
 (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)MUSER Michael
2)PAHL Stefan
3)SOVÁG Szabolcs
4)DALI István
5)PAPP Lajos
6)KONCZ László
7)MAJLATH Attila

(57) Abstract :

The invention relates to an arrangement for compressed air coupling of a trailer (1) to a tractor vehicle (10) via a feed line (11) and a brake line (12) of a compressed air brake system by means of respective pairs of correspondingly formed coupling heads (2,2; 3,3), wherein locking means are provided in order to avoid coupling of the feed line (11) before coupling of the brake line (12), wherein the prior coupling of the brake line (12) generates an enable signal for the locking means of the feed line (11).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3293/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PRESSURE RELIEF DEVICE FOR PRESSURE-PROOF ENCAPSULATED HOUSINGS

(51) International classification :A62C4/00
(31) Priority Document No :10 2010 016 782.7
(32) Priority Date :04/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057054
Filing Date :03/05/2011
(87) International Publication No :WO 2011/138325
(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) LIMBACHER Bernd
3)HERMANN Wolf
4)HORNIG Julia
5)MARKUS Detlef
6)KLAUSMEYER Uwe

(57) Abstract :

In a protective housing of the pressure-proof enclosure type, a pressure-relief device (18) which comprises a porous body (23) is provided. The edge of said porous body is provided with a pore seal (31) in order to prevent a flame from penetrating at its edge. The pore seal forms a connection without gaps in conjunction with the surrounding receiving body (19). For example, the porous unprocessed body (23) can be encompassed on the edge region by a soft metal ring and can be pressed, for example, by a predetermined conical contour of a receiving body and a pressure ring such that the deformation produces an embedding without gaps. In addition, the deformation can be maintained in a permanent manner by means of resilient elements in order to compensate for the thermal expansion of the various materials during temperature fluctuations.

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

(54) Title of the invention : HIGH STRENGTH HOT-ROLLED STEEL SHEET HAVING EXCELLENT STRETCH FLANGEABILITY AND FATIGUE RESISTANCE AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C38/00,C21D8/02,C21D9/46
 (31) Priority Document No :2010-125080
 (32) Priority Date :31/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/062857
 Filing Date :30/05/2011
 (87) International Publication No :WO 2011/152541
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(57) Abstract :

Provided is a high-strength hot-rolled steel plate which has a tensile strength of 780 MPa or more and which exhibits excellent stretch flangeability and fatigue resistance properties. A steel material which has a composition containing 0.05 to 0.15% of C, 0.2 to 1.2% of Si, 1.0 to 2.0% of Mn, 0.04% or less of P, 0.005% or less of S, 0.05 to 0.15% of Ti, 0.005 to 0.10% of Al, and 0.007% or less of N is heated to 1150 to 1350°C or less, and is hot-rolled such that the finishing temperature is between 850 and 950°C. After the hot-roll process is complete, the steel material is cooled to 530°C at an average cooling rate of 30°C/sec or more, and is further cooled to and wound at a winding temperature of 300 to 500°C at an average cooling rate of 100°C/sec or more. As a consequence, it is possible to obtain a high-strength hot-rolled steel plate which combines stretch flangeability and fatigue resistance properties and which has a tensile strength of 780 MPa or more. Moreover, the high-strength hot-rolled steel plate contains 0.02% or more of solute Ti, and has the structure of a bainite single phase in which the average particle size is 5µm or less, preferably, over 3.0µm, or a structure comprising 90% or more, in area ratio, of the aforementioned bainite phase and a second phase other than said bainite phase in which the average particle diameter is 3µm or less.

No. of Pages : 47 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : BINDER SYSTEM BASED ON POLYURETHANE FOR PRODUCING CORES AND CASTING MOLDS USING CYCLIC FORMALDEHYDES, MOLDING MATERIAL MIXTURE AND METHOD

(51) International classification :C08G18/54,C08G18/76,B22C1/22
(31) Priority Document No :10 2010 032 734.4
(32) Priority Date :30/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/001525
Filing Date :28/07/2011
(87) International Publication No :WO 2012/025084
(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)PRIEBE, Christian
2)KOCH, Diether

(57) Abstract :

The invention relates to a binder system for producing cores and casting molds based on polyurethane using phenolic resins, polyisocyanates, and cyclic formaldehydes. The invention further relates to a method for producing a casting and to molding material mixtures containing the binder.

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.21/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : VARIABLE RESISTER HAVING RESISTANCE VARYING GEOMETRICALLY RATIO AND CONTROL METHOD THEREOF

(51) International classification :H03G3/30,H03H7/24
(31) Priority Document No :10-2010-007 1867
(32) Priority Date :26/07/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/005507
Filing Date :26/07/2011
(87) International Publication No :WO 2012/015224
(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)LEE Jongwoo

(57) Abstract :

Provided is an analog amplifier for amplifying an analog signal and an analog filter, and in particular, an apparatus and method for controlling gain and cutoff frequency of the variable gain amplifier and the variable cutoff frequency filter that is capable of changing the gain and cutoff frequency. The variable resister includes a plurality of resister segments in the variable resister and, when a plurality of resistance candidates for the variable resister are arranged in order of size, the resistance candidates form a geometric series.

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

(54) Title of the invention : A SYSTEM AND METHOD FOR STORING THERMAL ENERGY AS AUXILIARY POWER IN A VEHICLE

(51) International classification :F25B15/02,B60H1/32,F02G5/02
 (31) Priority Document No :61/319,923
 (32) Priority Date :01/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/CA2011/000315
 Filing Date :30/03/2011
 (87) International Publication No :WO 2011/120132
 (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)GIBBS, David Robert
3)BACHALO, Christopher

(57) Abstract :

A system is provided for capturing energy from heat expelled in an exhaust of an engine of a motor vehicle and storing the captured energy. The system comprises a generator, a condenser, an evaporator, and an absorber. The generator captures heat from the exhaust of the engine and may be configured for circulating a first solution having a solute that is vaporizable by heat captured by the generator. The condenser may be coupled to the generator for receiving vaporized solute and condensing the vaporized solute to a liquid. The evaporator may be coupled to the condenser and have an orifice between the condenser and the evaporator. The evaporator may have a first fluid passage for circulating the solute and a second fluid passage for circulating a second solution. The first and second fluid passages may be configured such that solute running through the first fluid passage is vaporizable by heat absorbed from the second solution running through the second fluid passage thereby cooling the second solution. The absorber may be coupled to the evaporator and the generator. The absorber may be configured to return the solute to solution by mixing the solute with a solvent of the first solution supplied by the generator and for returning the first solution to the generator to complete a cycle of the system.

No. of Pages : 41 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3316/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR INOCULATING YEAST INTO FRUIT JUICE

(51) International classification :A23L2/02,A23L2/38,A23L2/52
(31) Priority Document No :10161158.0
(32) Priority Date :27/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/056557
Filing Date :26/04/2011
(87) International Publication No :WO 2011/134952
(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)BUNTE, Annicka

3)HOLT, Sylvester

4)BADAHI, Mansour

(57) Abstract :

The present invention provides a new wine yeast product in a frozen form. The product is produced in a fermenter, concentrated, cryoprotectants are added. This mixture is then frozen at -50°C. What makes this product unique is that besides the fact that it is frozen, it can be directly added to grape juice as no rehydration is required because the yeast was not dehydrated in the production process.

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3317/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SHOWCASE CONTROL SYSTEM AND PROGRAM

(51) International classification :F24F11/02,A47F3/04
(31) Priority Document No :PCT/JP2010/069100
(32) Priority Date :27/10/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/054288
Filing Date :25/02/2011
(87) International Publication No :WO 2012/056736
(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)MIWA Kazuo

(57) Abstract :

A display case control system (100) is provided with a display case operating rate detection unit (11) which detects the display case operating rate of a display case control unit (30) which controls freezing and refrigeration in a display case an excessive operation detection unit (12) which outputs an excessive operation signal when the display case operating rate inputted from the display case operating rate detection means (11) exceeds a prescribed value and an air conditioning control system (20) for suppressing energy-conserving control of an air conditioner (50) when an excessive operation signal is received from the excessive operation detection unit (12). By this means it is possible to perform integrated energy conserving control of the display case and the air conditioner of the place where the display case is arranged.

No. of Pages : 29 No. of Claims : 7

(54) Title of the invention : CONTAINER SEAL WITH RADIO FREQUENCY IDENTIFICATION TAG, AND METHOD OF MAKING SAME

(51) International classification :B65D51/24,B65D77/20,G06K19/07
 (31) Priority Document No :61/323,915
 (32) Priority Date :14/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/032508
 Filing Date :14/04/2011
 (87) International Publication No :WO 2011/130519
 (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)PHANEUF, Peter

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3)ISABELL, Michael

(57) Abstract :

A container closure assembly includes a closure an inner seal, and a radio frequency identification tag. The inner seal includes a first surface for engaging a container sealing surface, and a second opposed surface for engaging one of a backing liner, a facing liner an induction seal liner, and a glued in closure liner. The radio frequency identification tag includes a microprocessor electrically coupleable with an antenna for receiving storing, and transmitting digitized information. The inner seal can minimize migration of fluids between a container interior volume and an exterior of a container when the inner seal is engaged with a container sealing surface. The radio frequency identification tag can be included in the closure assembly within a container interior volume or external to a container, or can be incorporated into the inner seal, without the closure assembly electromagnetically interfering with the receiving, storing, or transmitting of the digitized information.

No. of Pages : 43 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3302/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM FOR IMPROVED HEMODYNAMIC DETECTION OF CIRCULATORY ANOMALIES

(51) International classification	:A61B5/02
(31) Priority Document No	:12/754,888
(32) Priority Date	:06/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/031433
Filing Date	:06/04/2011
(87) International Publication No	:WO 2011/127184
(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)EGGERS, Phillip, E.

2)EGGERS, Andrew, R.

3)EGGERS, Eric, A.

4)MAYERCHEK, Mark, A.

(57) Abstract :

The invention generally relates to a system, and apparatus for detection of circulatory anomalies in the mammalian body. Particularly, apparatus is provided that allows the clinician to quantitatively determine the extent of any anomalies in the pulmonary circulation. Specifically a quantifiable agent is injected into a peripheral location, and the transit of the indicator agent is monitored. Aberrant circulation is then quantified. The preferred indicator is an injection of indocyanine green dye, detected and measured by fluorescence at a sensor location. Sensor arrays are provided that allow for optimization of detection of circulatory anomalies Quantification is carried out by a monitor/controller providing visual cues to the patient and operator, said monitor/controller actuable for carrying out a Valsalva maneuver and a displaying shunt conductance index.

No. of Pages : 115 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3303/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHODS FOR TREATING GLUCOSE METABOLIC DISORDERS

(51) International classification :A01N43/04

(31) Priority Document No :61/323,303

(32) Priority Date :12/04/2010

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

(86) International Application No :PCT/US2011/032103

Filing Date :12/04/2011

(87) International Publication No :WO 2011/130261

(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 :

In one aspect, the invention relates to methods for treating a disease or condition associated with abnormal glucose metabolism. In another aspect, the invention relates to a method for reducing incidence or progression of insulin-dependent diabetes mellitus. The methods include orally administering to a mammal in need thereof an effective amount of a composition which includes a naturally occurring material derived from eggshell eggshell membrane, or a combination thereof.

No. of Pages : 28 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3304/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE TERMINAL APPARATUS, BASE STATION APPARATUS, EXCHANGE STATION APPARATUS, AND MOBILE COMMUNICATION METHOD

(51) International classification	:H04W24/08
(31) Priority Document No	:2010-105995
(32) Priority Date	:30/04/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/060141
Filing Date	:26/04/2011
(87) International Publication No	:WO 2011/136208
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)IWAMURA, Mikio
4)TAKAHASHI, Hideaki

(57) Abstract :

A mobile terminal apparatus, which is operative to acquire positional information, comprises: a determining unit that determines, during acquisition of positional information, whether a measurement condition, which is to be used for the measurement of a network radio quality measurement check, has been established in the mobile terminal apparatus; a measurement control unit that enables the measurement of the network radio quality measurement check to be performed if it is determined that the measurement condition has been established; a report information generating unit that generates report information including both a measurement result of the network radio quality measurement check and the positional information; and a transmitting unit that transmits the report information to the network.

No. of Pages : 58 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3119/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHODS AND COMPOSITIONS FOR INHIBITION OF TREG CELLS

(51) International classification :A61K39/395,A61K39/00,C07K16/00
(31) Priority Document No :61/323,557
(32) Priority Date :13/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/032090
Filing Date :12/04/2011
(87) International Publication No :WO 2011/130249
(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)HAR-NOY, Michael

(57) Abstract :

The present invention relates to methods of suppressing the immune tolerance of a disease or disease antigens in a patient. The method also promotes the activity of the effector T lymphocytes. The invention includes administering a therapeutic composition that promotes a Th1 environment in the patient while decreasing the immunosuppressive activity of Treg cells that can lead to disease antigen tolerance and immunoavoidance of the disease antigens by the patient. The therapeutic composition includes allogeneic emTh 1 cells. The therapeutic composition can also include disease antigens such as the chaperone rich cell lysate of the disease antigen.

No. of Pages : 41 No. of Claims : 43

(54) Title of the invention : SIMPLE METHOD FOR REMOVAL OF IMPURITIES FROM CULTURE SUPERNATANTS TO ULTRALOW LEVELS

(51) International classification :B01D15/08
 (31) Priority Document No :61/327,238
 (32) Priority Date :23/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2010/061313
 Filing Date :20/12/2010
 (87) International Publication No :WO 2011/133191
 (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)LEES, Andrew

2)JOSHI, Jayant

(57) Abstract :

This invention is directed to methods for removing, preferably simultaneously and in one step, multiple impurities from crude culture samples, and, in particular, the removal of media components, protein, nucleic acids lipids, and lipopolysaccharides to ultralow levels. Preferably the purification process comprises: (1) binding of the target substance containing one or more contaminants to a chromatography matrix; (2) washing the bound target substance with one or more buffers containing a synergistic combination of a lyotropic agent or organic solvent, a detergent and a salt component; and (3) desorbing the target substance from the chromatography matrix so that the eluate contains ultra low levels of contaminants. The reduction of impurities that can be achieved is preferably 91 99.9% as compared to the amount of impurities in the target substance before purification. The invention is also directed to the targets products that have been so purified.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3121/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRODE FOR ELECTROCHLORINATION

(51) International classification	:C25B11/04
(31) Priority Document No	:MI2010A001098
(32) Priority Date	:17/06/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2011/060078
Filing Date	:17/06/2011
(87) International Publication No	:WO 2011/157811
(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)BENEDETTO, Mariachiara
3)CALDERARA, Alice
4)PEZZONI, Chiara
5)URGEGHE, Christian

(57) Abstract :

The invention relates to an electrode for electrochemical generation of hypochlorite. The electrode comprises a valve metal substrate coated with a catalytic system consisting of two super imposed layers of distinct composition and having a different activity towards hypochlorite anodic generation from chloride solutions. The electrode has a high duration in cathodic operation conditions, imparting self cleaning characteristics thereto when used in combination with an equivalent one with periodic polarity reversal. Moreover, the deactivation of the electrode at the end of its life cycle occurs in two subsequent steps, allowing to schedule the substitution thereof with a significant notice period.

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

(54) Title of the invention : SYSTEM FOR ELECTROCHEMICAL GENERATION OF HYPOCHLORITE

(51) International classification :C02F1/467,C02F1/461,C25B11/04
(31) Priority Document No :MI2010A001100
(32) Priority Date :17/06/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2011/060079
Filing Date :17/06/2011
(87) International Publication No :WO 2011/157812
(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 invention relates to a system for a point-of- use electrochemical generation of hypochlorite on demand in a wide range of volumes and concentration. The system is provided with a processor which adjusts the electrolyte composition, the current density and the electrolysis time, commanding an alert system capable of warning in advance whenever the replacement of electrodes is needed. Automated detection of the insertion and the correct type of several collecting vessels can also be provided, triggering the set-up of electrolysis parameters accordingly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3332/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD OF BLASTING

(51) International classification	:F42D1/05
(31) Priority Document No	:2010901993
(32) Priority Date	:07/05/2010
(33) Name of priority country	:Australia
(86) International Application No	:PCT/US2011/035706
Filing Date	:09/05/2011
(87) International Publication No	:WO 2011/140549
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)JOHNSON,David Olaf

4)MILLER Thomas M

(57) Abstract :

An initiation device for initiation of an explosives charge which comprises: a transceiver for receipt of wireless command signals; a control circuit for processing of wireless command signals received by the transceiver; and a light source that is suitable for initiation of the explosives charge and that is activated by the control circuit.

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

(54) Title of the invention : BALANCING AND SYNCHRONIZING DEVICE FOR MACHINES FOR LAYING CABLES

(51) International classification :H02G1/06,H02G11/02,H02G1/04
 (31) Priority Document No :UD2010A000111
 (32) Priority Date :09/06/2010
 (33) Name of priority country :Italy
 (86) International Application No :PCT/IB2011/001271
 Filing Date :08/06/2011
 (87) International Publication No :WO 2012/035383
 (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)OSCAR, Alberto

(57) Abstract :

Balancing and synchronizing device for a plant (10) comprising one or more brake machines (12) for laying cables (11), each of which comprises a plurality of unwinding members each provided with at least a pair of capstans (14). The device comprises a plurality of control units (22, 22a), configured to automatically adjust the unwinding tension of each individual cable (11), and user interface means (18), independently connected to each control unit (22, 22a), so as to set predetermined functional and operating parameters of each pair of capstans (14). Each control unit (22, 22a) is connected to detector elements (21) of a corresponding pair of capstans (14). The device comprises a data transmission and reception line (25) to which the control units (22, 22a) are connected for at least a part of the laying cycle. The device comprises at least a main control unit (22a) provided with synchronization command means (30) to command by means of the data transmission and reception network (25), the other control units (22) for the synchronized balancing and drive of the relative pairs of capstans (14), on the basis of specific functional and operating parameters set by the user interface means (18a) of the main control unit (22a) and of the signals received from the position detector elements (21).

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

(54) Title of the invention : METHOD FOR PRODUCING ROLLING STOCK BY MEANS OF A COMBINED CONTINUOUS CASTING AND ROLLING SYSTEM, CONTROL DEVICE FOR A COMBINED CONTINUOUS CASTING AND ROLLING SYSTEM, AND COMBINED CONTINUOUS CASTING AND ROLLING SYSTEM

(51) International classification:B22D11/06,B21B1/46,B21B37/24

(31) Priority Document No :10172748.5

(32) Priority Date :13/08/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/062963

Filing Date :28/07/2011

(87) International Publication No :WO 2012/019917

(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)WINTER Günther

(57) Abstract :

The invention relates to a combined continuous casting and rolling system, to a control device for a combined continuous casting and rolling system, and to a method for producing rolling stock (B), in particular metal strip, by means of a combined continuous casting and rolling system, comprising a casting device (1, 1) for casting metal and a roll train (2) comprising at least one roll stand for hot forming the rolling stock (B), wherein the combined continuous casting and rolling system is operated such that the rolling stock (B) extends continuously between the casting device (1, 1) and the roll train (2), wherein rolling stock is continually supplied to the roll train (2), wherein a target thickness progression according to which the roll train (2) rolls the rolling stock (B) is predetermined for the roll train (2). Because the thickness progression has at least two different target thicknesses for different sections in the longitudinal direction of the rolling stock (B) and the thickness progression is designed such that the first and/or the second target thicknesses are set at least twice, it is possible for longitudinally profiled rolling stock to be produced considerably more inexpensively than with conventional processes. To this end the combined continuous casting and rolling system is operated such that an infeed rate (V) of the rolling stock (B) into the roll stand is set to less than 7 metres/second, in particular less than 5 metres/second, in particular between 1 metre/second and 4 metres/second.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3340/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMPOSITE GLASS PANE AS A HEAD-UP DISPLAY

(51) International classification :B32B17/10,G02B27/01,C09D11/02
(31) Priority Document No :10170560.6
(32) Priority Date :23/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061634
Filing Date :08/07/2011
(87) International Publication No :WO 2012/010444
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)VAN DER MEULEN Uwe
4)RODRIGUEZ GONZALEZ Luz

(57) Abstract :

The invention relates to a composite glass pane comprising at least: a. an inner pane (1); b. an outer pane (2) and c. an intermediate layer (3) between the inner pane (1) and the outer pane (2) wherein the intermediate layer (3) comprises at least one first thermoplastic film (3b) having a first luminescent pigment (3a), a second thermoplastic film (3d), and a barrier film (3c) between the thermoplastic films (3b,3d), and wherein the luminescent pigment (3a) comprises a hydroxyalkyl terephthalate having the formula: $R\text{COO}P(\text{OH})_x(0.4)\text{COOR}_2$ where R_1, R_2 is an alkyl or allyl radical having 1 to 10 C atoms, P is a phenyl ring, OH is hydroxyl groups bonded to the phenyl ring, and x is the number of hydroxyl groups bonded to the phenyl ring.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3323/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ESTERIFICATION OF VAPOR CRUDE PRODUCT IN THE PRODUCTION OF ALCOHOLS

(51) International classification :C07C29/149,C07C67/08,C07C29/88
(31) Priority Document No :61/363,056
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042639
Filing Date :30/06/2011
(87) International Publication No :WO 2012/006217
(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 :

Ethanol production process for recovering ethanol from a crude ethanol product obtained from the hydrogenation of acetic acid. Ethanol recovery is improved by esterifying a vapor crude ethanol product to reduce unreacted acetic acid concentration.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3324/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DENATURED FUEL ETHANOL COMPOSITIONS FOR BLENDING WITH GASOLINE OR DIESEL FUEL FOR USE AS MOTOR FUELS

(51) International classification :C07C31/08,C07C31/10,C10L1/00

(31) Priority Document No :12/852,290

(32) Priority Date :06/08/2010

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

(86) International Application No :PCT/US2011/046502

Filing Date :03/08/2011

(87) International Publication No :WO 2012/018960

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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7)WOLLRAB Radmila

(57) Abstract :

A denatured fuel ethanol composition for blending with fuels, including gasoline and diesel fuel. The composition includes an ethanol composition comprising at least 92 wt.% ethanol; and from 95 wppm to 1,000 wppm isopropanol; and at least 1.96 vol. % fuel denaturant.

No. of Pages : 60 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3325/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TRANSPARENT PANE WITH HEATABLE COATING

(51) International classification	:H05B3/84
(31) Priority Document No	:10168796.0
(32) Priority Date	:07/07/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/061350
Filing Date	:06/07/2011
(87) International Publication No	:WO 2012/004279
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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4)SCHLARB, Andreas

(57) Abstract :

The invention relates to a transparent pane having a conductive coating which extends at least over a part of the pane surface, in particular over the visual field thereof. The conductive coating is electrically connected to at least two strip-shaped bus lines such that, after application of a supply voltage, a current flows over a heating field formed by the coating. It is essential that the conductive coating has such an electrical resistance that when a supply voltage in the range of more than 100 to 400 volts is applied, a heating power in the range of 300 to 1000 Watts/m is output by the heating field, wherein each of the bus lines has at least in some sections a maximum width of less than 5 mm, and wherein the width is dimensioned such that a maximum heating power of 10 Watts/m is output. Moreover each of the bus lines has a specific resistance in the range of 2 to 4 $\mu\text{Ohm-cm}$.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3328/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTROLYSIS CELL AS WELL AS INSTALLATION AND METHOD FOR PRODUCING AN ELECTROCHEMICALLY ACTIVATED SOLUTION THROUGH ELECTROLYSIS

(51) International classification :C02F1/461,C25B11/04,A61L2/03
(31) Priority Document No :10003555.9
(32) Priority Date :31/03/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/001636
Filing Date :31/03/2011
(87) International Publication No :WO 2011/120702
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

An electrolysis cell (40), especially for production of an electrochemically activated sodium chloride solution, comprising an anode space (44) provided with an anode and comprising a cathode space (42) which is separated therefrom by a membrane (46) and is provided with a cathode, should enable, in a particularly favourable manner, the production of an electrochemically activated salt solution for which a particularly high bactericidal or antibacterial action, characterized by a high content of free chlorine, coupled with high storage stability is ensured, and the pH should as far as possible allow good combinability with other substances or active ingredients or even be kept adjustable in the manner of a free parameter independently of the other parameters mentioned. For this purpose the anode in accordance with the invention, has a coating (92) comprising ruthenium oxide and iridium oxide on its surface. In a system (1) for production of an electrochemically activated solution with a multitude of such electrolysis cells (40,41), the anode spaces (44) of the electrolysis cells (40,41) are connected in series on the media side, the surface coating (92) of the anode of each electrolysis cell (40,41) being selected in each case as a function of the position of the particular electrolysis cell (40,41) in the series circuit.

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

(54) Title of the invention : ELECTROCHEMICALLY ACTIVATED AQUEOUS SOLUTION AND USE OF THE SOLUTION

(51) International classification :C02F1/467,C02F1/461,A61L2/03

(31) Priority Document No :10 003 55.9-2104

(32) Priority Date :31/03/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/001635

Filing Date :31/03/2011

(87) International Publication No :WO 2011/120701

(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)MATHÉ Hans-Georg

(57) Abstract :

An electrochemically activated water-based solution obtainable by electrolysis of brine- containing water in an electrolysis module (2) comprising a multitude of electrolysis cells (40) should have a particularly high bactericidal or antibacterial effect combined with particularly long storage stability i.e. more particularly even after comparatively long storage for for example more than two years. According to the invention, such a solution is obtainable by electrolysis of brine-containing water in an electrolysis module comprising a multitude of electrolysis cells (40), in which each electrolysis cell (40) comprises a first electrode space assigned to a first electrical polarity and a second electrode space which is separated therefrom by a membrane (46) and to which a second electrical polarity has been assigned, wherein the electrolyte is supplied to the first electrode spaces (40) of the electrolysis cells serially in the manner of a series circuit.

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

(54) Title of the invention : COMPOSITE PANE WITH AN ELECTRICALLY HEATABLE COATING

(51) International classification :H05B3/84,H05B3/86,B60S1/02
 (31) Priority Document No :10168773.9
 (32) Priority Date :07/07/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/061351
 Filing Date :06/07/2011
 (87) International Publication No :WO 2012/004280
 (61) Patent of Addition to
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 Filing Date :NA
 (62) Divisional to Application
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 Filing Date :NA

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3)MELCHER,Martin
4)LISINSKI,Susanne

(57) Abstract :

The invention relates to a composite pane having an electrically heatable coating, which comprises: at least two panes; an intermediate layer, which connects the panes to one another; at least one transparent, electrically conductive coating on at least one side of at least one of the panes which faces the intermediate layer; and at least two bus lines which are connected to the transparent electrically conductive coating, wherein a first bus line is electrically connected to a first feed line provided for connection to one pole of a voltage source and a second bus line is electrically connected to a second feed line provided for connection to the other pole of the voltage source. The transparent, electrically conductive coating contains silver, has a sheet resistance of 1 ohm/square to 10 ohms/square and has n notches, n being an integer >2, which divide the coating into a plurality of coating regions, wherein the coating regions are serially electrically connected to one another and wherein the notches are formed such that the resistance of the transparent, electrically conductive coating has a heating power of 300 W/m to 1000 W/m at an operating voltage provided by the voltage source in the range of more than 100 V to 400 V, in particular in the range of 280 V to 400 V, and wherein a coating section of the electrically conductive coating located in the region of a shortest geometric distance between the first bus line and the second bus line is electrically interrupted by a plurality of notches wherein the number of notches is selected in dependence on the magnitude of the operating voltage provided such that a voltage drop over an individual notch by which two adjacent coating regions are electrically separated from one another is less than a breakdown voltage of the notch.

No. of Pages : 36 No. of Claims : 14

(54) Title of the invention : METHOD FOR SUBJECTING STRUCTURE FORM OF WELD TO IMAGING AND DEVICE THEREFOR

(51) International classification :G01N29/06,G01B17/00,G01N29/44
 (31) Priority Document No :2010-108771
 (32) Priority Date :10/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/061132
 Filing Date :10/05/2011
 (87) International Publication No :WO 2011/142474
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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4)OZEKI,Takafumi

(57) Abstract :

The structure form of a weld is rapidly and accurately (clearly) subjected to imaging with non-destructive inspection. Specifically at the time of the imaging of the structure form of the weld for receiving the reflected signal from the inside of a test object (S) while scanning the cross-section surface perpendicular to the welding direction of the test object with an ultrasonic beam (B), and subjecting the cross section surface scanned on the basis of the received reflected signal to the imaging so as to inspect the structure of a weld (2), a moving average waveform (Ra) is subtracted using an average score (m), whereby the slowly varying component of the received signal is eliminated, the reflected signal from the structure of the weld is extracted, and only the extracted reflected signal is amplified, or the cross-section surface perpendicular to the welding direction is scanned with a focused ultrasonic beam at a plurality of different positions relative to the welding direction of the test object the cross-section surface scanned on the basis of the obtained ultrasonic received signal is subjected to the imaging, a plurality of the images obtained by scanning the cross-section surface at the plurality of positions relative to the welding direction are superimposed one upon another, and the maximum value of the superimposed pixels is maintained, thereby emphasizing the reflected wave from the structure of the weld.

No. of Pages : 49 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3343/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD, MOBILE STATION, AND WIRELESS BASE STATION

(51) International classification	:H04W24/10,H04W72/04	(71) Name of Applicant :
(31) Priority Document No	:2010-106002	1)NTT DOCOMO,INC.
(32) Priority Date	:30/04/2010	Address of Applicant :11-1,Nagatacho 2-chome,Chiyoda-
(33) Name of priority country	:Japan	ku,Tokyo 1006150,JAPAN
(86) International Application No	:PCT/JP2011/060359	(72) Name of Inventor :
Filing Date	:28/04/2011	1)IWAMURA,Mikio
(87) International Publication No	:WO 2011/136321	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a mobile station (UE) in a mobile communication system, a ReportConfig A6 is determined to be satisfied when an RSRP/RSRQ in a non-serving cell of an SCC in a MeasObject is larger during a predetermined interval (Time- To-Trigger) than the sum of a predetermined offset value (Offset) and an RSRP/RSRQ in a serving cell in the MeasObject.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3333/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : POLYLACTIC RESIN EXPANDED BEADS AND MOLDED ARTICLE OF THE EXPANDED BEADS

(51) International classification :C08J9/16
(31) Priority Document No :2010-113951
(32) Priority Date :18/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057104
Filing Date :24/03/2011
(87) International Publication No :WO 2011/145391
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)JSP CORPORATION
Address of Applicant :of 4-2,Marunouchi 3-chome,Chiyoda-ku, Tokyo 100-0005,JAPAN
(72)Name of Inventor :
1)SHINOHARA Mitsuru
2)OIKAWA Masaharu

(57) Abstract :

Provided are expanded particles of a polylactic acid-based resin which are suitable for in-mold molding. The expanded particles can stably form moldings wherein the particles are excellently fusion bonded to each other independently of the shape of the moldings. Expanded particles which comprises a polylactic acid-based resin as the base resin characterized by satisfying relationships (1) and (2): (Br:endo) > 25 ... (1) (Brc:endo) > (Brs:endo) 0 ... (2) [wherein (Br:endo) is the amount of heat [J/g] which is absorbed in the whole particle; (Brs:endo) is the amount of heat [J/g] which is absorbed in the surface of the particle; and (Brc:endo) is the amount of heat [J/g] which is absorbed in the core of the particle, each being determined under specific conditions [1] according to the heat flux differential scanning calorimetry stipulated in JIS K7122 (1987)].

No. of Pages : 68 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3334/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FEEDING DEVICE FOR GLASS MELTING INSTALLATIONS

(51) International classification :C03B3/00,C03B5/24
(31) Priority Document No :10 2010 035 893.2
(32) Priority Date :31/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/065037
Filing Date :31/08/2011
(87) International Publication No :WO 2012/028656
(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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Main,GERMANY
(72)Name of Inventor :
1)LINDIG Matthias
2)WALTERT Erich

(57) Abstract :

The invention relates to a feeding device for introducing particulate feedstock into glass melting installations comprising pushing conveyors (5), which are supplied by storage containers (8) via guiding channels (6) and are directed onto the surface of the melt, and comprising at least one slide (1) for advancing the feedstock on the surface of the melt. To solve the problem of supplying a glass melting installation with feedstock in such a way as to avoid, at least to a great extent, asymmetric material and temperature distribution and movements transversely to the transporting direction of the feedstock and consequently also to avoid exposure of the mineral construction materials of the installation to changing thermal loads it is proposed according to the invention that a) at least three pushing conveyors (5) are arranged alongside one another and in the region of the guiding channels (6) thereof are arranged so closely alongside one another that they can be supplied by a common distributing device (7), and are separated from one another in the intermediate region between two guiding channels (6) by a respective dividing edge (9), and that b) a linkage (2) for the drive of a slide (1) that can be introduced into the glass melt is respectively led through the spacing between each two guiding channels (6).

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

(54) Title of the invention : METHOD FOR SUPPLYING AN ELECTRIC DOMESTIC APPLIANCE FROM A LOW VOLTAGE SUPPLY NETWORK AND A DOMESTIC APPLIANCE SUITABLE FOR CARRYING OUT SAID METHOD

(51) International classification	:H02J 3/14,H02J9/00,	(71)Name of Applicant :
(31) Priority Document No	:10 2010 028 638.9	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:05/05/2010	Address of Applicant :Carl-Wery-Str. 34, 81739
(33) Name of priority country	:Germany	MÜNchen,GERMANY
(86) International Application No	:PCT/EP2011/057020	(72)Name of Inventor :
Filing Date	:03/05/2011	1)ALBAYRAK Hasan Gkcer
(87) International Publication No	:WO 2011/147662	2)BÖLDT Frank
(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 electric domestic appliance (1) and to a method for supplying an electric domestic appliance (1) comprising a circuit device (8) for supplying internal consumers (11) from a low voltage supply network (5) which is supplied in particular by a photovoltaic power station or wind power station (6), a programme control arrangement (10) and measurement sensors (12), and a circuit arrangement (15) for an energy management system which classifies the internal consumers (11) according to energy requirements and energy supply. The aim of the invention is to provide a domestic appliance (1) and a method such that in particular, electric low voltages sources (6) which provide, for example protection against low voltage are protected against excessive electric loads but above all treatment programmes of programme controlled electric appliances (1) are protected against partial interruption when the low voltage supply (5) is interrupted due to temporary overload. The supply of the internal consumers (11) can for example be interrupted in a staggered manner in accordance with their energy requirements and their consumption profile when the energy supply of the low voltage supply network (5) is too low and the re connection is also staggered in accordance with the energy requirements and the energy supply.

No. of Pages : 16 No. of Claims : 14

(54) Title of the invention : METHOD OF RECEIVING DATA FROM BASE STATION AT RELAY NODE IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS THEREOF

(51) International classification :H04B7/14,H04L27/26,H04B7/04
 (31) Priority Document No :61/405,237
 (32) Priority Date :21/10/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/003670
 Filing Date :18/05/2011
 (87) International Publication No :WO 2012/053715
 (61) 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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(72)Name of Inventor :

1)KIM,Hakseong

2)SEO Hanbyul

(57) Abstract :

A method used by a relay node for receiving a relay node specific downlink physical shared channel from a base station in a multiple antennae wireless communication system is disclosed. More specifically, the method includes the steps of demodulating a relay node specific downlink physical control channel (R- PDCCH) by using a relay node specific reference signal; and in case a specific downlink information is detected from the demodulated relay node specific downlink physical control channel, of demodulating the relay node specific downlink physical shared channel, under an assumption that the relay node specific downlink physical shared channel is transmitted through a single antenna port by using a predetermined antenna port and scrambling identifier (ID). Herein the specific downlink control information may correspond to a downlink control information designating a Fallback Mode. And the predetermined antenna port and scrambling ID may respectively correspond to antenna port 7 and scrambling ID 0.

No. of Pages : 68 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3345/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD, AND MOBILE STATION

(51) International classification :H04W24/10,H04W36/14,H04W72/04
(31) Priority Document No :2010-106003
(32) Priority Date :30/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/060360
Filing Date :28/04/2011
(87) International Publication No :WO 2011/136322
(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 :11-1,Nagatacho 2-chome,Chiyoda-ku,Tokyo 1006150,JAPAN
(72)Name of Inventor :
1)IWAMURA,Mikio
2)UMESH,Anil

(57) Abstract :

In the disclosed mobile communication system, a mobile station (UE) has : a step A in which the mobile station (UE) transmits a Measurement Report which contains measurement results for a MeasObject to a wireless base station (eNB) when the mobile station (UE) links and manages a MeasId, the MeasObject, and a ReportConfig, and when the ReportConfig is determined to have been satisfied; and a step B in which the mobile station (UE) determines, when there is a change in the SCC and PCC combination, whether or not to release the MeasId in response to the type of CC assigned by the MeasObject.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3346/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR AUTOMATICALLY CALIBRATING WIDEBAND MICROWAVE MODULES

(51) International classification:G01S7/40,H04B7/005,H04B17/00

(31) Priority Document No :RM2010A000406

(32) Priority Date :21/07/2010

(33) Name of priority country :Italy

(86) International Application No :PCT/IT2011/000257

Filing Date :20/07/2011

(87) International Publication No :WO 2012/011141

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)ELETTRONICA S.P.A.

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(72)Name of Inventor :

1)BARTOCCI,Marco

2)BIANCHI,Stefano

3)CIACIA,Egidio

4)TAFUTO,Antonio

(57) Abstract :

Process for automatically calibrating wideband microwave modules comprising at least one alignment circuit (3100) comprising at least one filter (3110), followed by at least one variable amplifier (3120), by a variable attenuator (3130) and by a variable equalizer (3140), the voltage of which can be controlled, being supplied with frequency signals lying within different bands (Bi) and operating at different temperatures (Ti).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3347/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SUSPENDING A CONTAINER

(51) International classification :B65D77/04,B65D85/30,B65D8/06
(31) Priority Document No :61/345,631
(32) Priority Date :18/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037034
Filing Date :18/05/2011
(87) International Publication No :WO 2011/146646
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ST REPRODUCTIVE TECHNOLOGIES,LLC
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Navasota,Texas 77840 United States of America
(72)**Name of Inventor :**
1)COGNARD,Eric

(57) Abstract :

A receiving element constructed within a container, the receiving element having a body with a first end and a second end wherein the body is formed from a plurality of separate pieces configured into an annular arrangement in a tension fit in a neck of the container. A passage formed in the body from the first end of the body to the second end of the body creates a cavity and an internal surface having a groove for receiving a locking element.

No. of Pages : 37 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3348/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FAULT PROTECTION CIRCUIT FOR IEC 61158 FIELDBUS SPUR AND METHOD OF USING THE SAME

(51) International classification :G05B9/02,G05B19/042,G05B19/05
(31) Priority Document No :1008536.3
(32) Priority Date :24/05/2010
(33) Name of priority country:U.K.
(86) International Application No :PCT/GB2011/000788
Filing Date :24/05/2011
(87) International Publication No :WO 2011/148127
(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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Mannheim,GERMANY
(72)**Name of Inventor :**
1)KITCHENER,Renato
2)GRABER,Steffen

(57) Abstract :

A fault protection circuit for use on a spur of an IEC 61158 Fieldbus network comprising a fast acting current limiter adapted to limit the spur current to the level of a reference current when the spur current reaches said reference current, control means adapted to monitor the spur AC and/or DC current and/or voltage, and isolation means adapted to apply a shunt short circuit isolation to said spur upon receipt of an activation signal from the control means, in which the control means is adapted to control the level of the reference current, and in which when said control means detects one or more pre- determined fault conditions on said spur it activates the isolation means and lowers the level of reference current.

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

(54) Title of the invention : METHOD FOR DELIVERING MEDIA CONTENTS AND APPARATUS THEREOF

(51) International classification	:G06Q50/00,G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:10-2010-0031681	1)KIM, Doek Hoon
(32) Priority Date	:07/04/2010	Address of Applicant :105-804 Daewoo Apt. Anyang 2-Dong,
(33) Name of priority country	:Republic of Korea	Manan-Gu, Anyang-Si, Gyeonggi-Do, 430-712 REPUBLIC OF
(86) International Application No	:PCT/KR2011/001216	KOREA
Filing Date	:23/02/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/084039	1)KIM, Doek Hoon
(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 for delivering media contents such as audio and video as captioned media information and apparatus thereof. The method provides media contents from a server which provides search results based on a request made by a user terminal. The method comprises the steps of: collecting media content which result from a search based on an entered search term; extracting a specific section of the media content which resulted from the search from a plurality of media sections; and providing a text list synchronized with said specific section wherein said text includes information on at least one audio speech associated with a subtitle among subtitles synchronized with said media section; and wherein said method has a contents identifier which can distinguish individual media contents and a section identifier which can distinguish individual sections from a plurality of media sections. The present invention also includes identifiers for each word phrase or sentence in the text such as separate word identifiers section identifiers distinguishing identifiers and sentence identifiers. The invention is further characterized by the ability to provide information on an audio speech with an audio speech identifier and the text of the speech is included in the media content.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3353/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification	:A61M5/20
(31) Priority Document No	:1050453-8
(32) Priority Date	:07/05/2010
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2011/050508
Filing Date	:27/04/2011
(87) International Publication No	:WO 2011/139212
(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)KARLSSON, Anders

(57) Abstract :

The present invention relates to a medicament delivery device comprising a housing which housing is arranged to accommodate a medicament container; a drive unit arranged in said housing and capable of acting on a movable stopper positioned inside said medicament container for expelling a dose of medicament wherein said drive unit comprises an elongated plunger rod and a dual back to back force spring assembly operatively connected to said plunger rod such as to provide a symmetrical load on said plunger rod; a locking and release mechanism operatively connected to said drive unit and capable of releasing said drive unit upon activation wherein the locking and release mechanism comprises a hold member operatively connected to the plunger rod a rotator member operatively connected to the hold member and a tubular actuation member linearly slidable in relation to the housing and operatively connected to the rotator member; where in the hold member is fixedly attached to the housing and comprises a generally tubular lock tube through which the plunger rod extends and two seats designed as half cylinders open towards the proximal direction for housing the dual back to back force spring assembly and wherein the lock tube comprises resilient locking and release means configured to interact with both the plunger rod and the rotator member.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3355/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CARBON DIOXIDE CAPTURE AND SEQUESTRATION

(51) International classification :B01D53/00

(31) Priority Document No :61/330,108

(32) Priority Date :30/04/2010

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

(86) International Application No :PCT/US2011/034684

Filing Date :29/04/2011

(87) International Publication No :WO 2011/137398

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)EISENBERGER, Peter

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United States of America

(72)Name of Inventor :

1)EISENBERGER, Peter

(57) Abstract :

A method and a system capable of removing carbon dioxide directly from ambient air to obtain pure CO₂. The method comprises the steps of generating heat from a production process; applying the heat to water to co-generate saturated steam, wherein said sorbent is alternately exposed to a flow of ambient air during said removal phase, thereby enabling said sorbent to sorb, and therefore remove, carbon dioxide from said ambient air, and to a flow of the co-generated steam during the regeneration and capture phase, after the sorbent has adsorbed the carbon dioxide, thereby enabling regeneration of such sorbent, and the resultant capture in relatively pure form of the adsorbed carbon dioxide. The system provides the sorbent substrate and equipment for carrying out the above method, and provides for obtaining purified carbon dioxide for further use in agriculture and chemical processes.

No. of Pages : 123 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3181/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR THE THERMODYNAMIC ONLINE DIAGNOSIS OF A LARGE INDUSTRIAL PLANT

(51) International classification	:G05B23/02
(31) Priority Document No	:10 2010 028 315.0
(32) Priority Date	:28/04/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/053370
Filing Date	:07/03/2011
(87) International Publication No	:WO 2011/134708
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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GERMANY
(72)**Name of Inventor :**
1)Ulrich KUNZE
2)Stefan RAAB

(57) Abstract :

The invention relates to a method for the thermodynamic diagnosis of processes in a large industrial plant, in particular a power plant, comprising the steps of: determining (3) a reference state of the large industrial plant, acquiring (2) measured values of a plurality of thermodynamic measured variables in the large industrial plant, determining (4) thermodynamic state variables from the measured values directly following acquisition (2) of the measured values, using a thermodynamic model of the large industrial plant and state equations of an operating medium used in the plant in order to determine an actual state of the plant, wherein the actual state and the reference state are displayed simultaneously in a state diagram near to the time of their determination. The invention further relates to a control system for the thermodynamic online diagnosis of a large industrial plant.

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

(54) Title of the invention : METHOD FOR PRE-HEATING ANNEALING MATERIAL IN A HOOD-TYPE ANNEALING SYSTEM

(51) International classification :F27B11/00,F27D17/00,C21D9/667
 (31) Priority Document No :A 590/2010
 (32) Priority Date :14/04/2010
 (33) Name of priority country :Austria
 (86) International Application No :PCT/AT2011/000166
 Filing Date :07/04/2011
 (87) International Publication No :WO 2011/127501
 (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)EBNER, Robert
2)SAUSCHLAGER, Andreas

(57) Abstract :

The invention relates to a method for pre-heating annealing material (4, 5) in a hood-type annealing System having annealing bases (1, 2) that accommodate the annealing material (4, 5) under a protective hood (7) in a protective-gas atmosphere, wherein the annealing material (4) to be subjected to a heat treatment in a protective hood (7) is pre-heated by means of a gaseous heat-transfer medium, which flows around the protective hoods (7) from the outside in a circuit and absorbs heat from annealing material (5) already heat-treated in a protective hood (7) and rejects heat to annealing material (4) to be pre-heated in another protective hood (7). In order to achieve advantageous use of the thermal energy, at least one further annealing base (3) having a protective hood (7) that can be heated from the outside by means of burners (15) is used to heat-treat the annealing material (4, 5, 6), and the hot exhaust gases from the heater of said protective hood (7) are mixed with the heated heat-transfer medium for pre-heating the annealing material (4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3360/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOZZLE HEAD FOR A SPRAY DEVICE

(51) International classification	:B05B7/08
(31) Priority Document No	:20 2010 007 355.3
(32) Priority Date	:28/05/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/002544
Filing Date	:21/05/2011
(87) International Publication No	:WO 2011/147555
(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)SCHMON Ewald
2)DETLAFF Peter

(57) Abstract :

The invention relates to a nozzle head for a spray device, comprising a central material nozzle, an air ring nozzle surrounding said material nozzle, and preferably at least two laterally projecting horns, into each of which at least one horn air nozzle is incorporated and optionally comprising a material-conducting needle, characterised in that at least one nozzle (3,3a,3b,5,5a,12,12a,12b,15,16,17,17a 17b,17,18,18a,18b1,18b2,18b3,300a,300b), preferably at least one horn air nozzle (15,16,17,17a,17b,17c,18,18a,18b1,18b2,18b3,300a)has a non-cylindrical shape.

No. of Pages : 31 No. of Claims : 48

(54) Title of the invention : GAS VALVE UNIT HAVING TWO GAS OUTLETS

(51) International classification	:F23N1/00
(31) Priority Document No	:10290271.5
(32) Priority Date	:20/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/057481
Filing Date	:10/05/2011
(87) International Publication No	:WO 2011/144492
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH

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(72)Name of Inventor :

1)CADEAU Christophe**2)NAUMANN Jrn**

(57) Abstract :

The subject matter of the invention is a gas valve unit for setting gas volumetric flows to a twin-circuit gas burner of a gas unit, in particular a gas cooking unit, wherein the gas valve unit has a gas inlet (3) and two gas outlets (11,12). According to the invention, the gas volumetric flow to at least one of the gas outlets (12) can be set in a multiple-stage manner. In a zero position of the gas valve unit, the gas volumetric flow to both gas outlets (11,12) is interrupted. In a switching position which is adjacent to the zero position, the gas volumetric flow which can be set in a multiple-stage manner is set to a maximum value. In order to set the gas volumetric flow which is fed to a first gas outlet (11), the gas valve unit has at least two first open/shut valves (15) and at least two first throttle points (17), preferably at least three first open/shut valves (15) and at least three first throttle points (17). In order to set the gas volumetric flow which is fed to a second gas outlet (12), the gas valve unit has at least two second open/shut valves (16) and at least two second throttle points (18), preferably at least four second open/shut valves (16) and at least four second throttle points (18). In order to control the open/shut valves (15,16), at least two magnetically active bodies (5,6) are provided, wherein a first magnetically active body (5) is formed by a ferromagnetic body and a second magnetically active body (6) is formed by a permanent magnet. At least one first open/shut valve (15.3) has a permanent magnet (13), in such a way that said first open/shut valve (15.3) can be controlled as a function of the position of the first magnetically active body (5) which is formed by a ferromagnetic body.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SHOCK-ABSORBING COUPLER HEAD FOR A COUPLING ARRANGEMENT

(51) International classification :B61G7/14,B61D15/06,B61G3/16
(31) Priority Document No :1050678-0
(32) Priority Date :23/06/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050706
Filing Date :08/06/2011
(87) International Publication No :WO 2011/162674
(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)HANSSON, Johan
2)HJORT, Mattias
3)HISW...LS, Fredrik
4)LARSSON, Daniel
5)SVEDBO, Anders
6)WESTMAN, Anders

(57) Abstract :

A coupler head for a coupling arrangement is shown, which coupler head comprises a coupler head housing (6) extending in a longitudinal direction from a first end (6a), attachable to a drawbar, to a second end (6b), which is arranged to carry a coupling interface between coupled rail vehicles, which coupler head housing houses mechanical coupling components (8, 9) effective for automatic coupling to the corresponding components of a connecting coupling arrangement. The coupler head is characterized in that the coupler head housing has at least one notch (11, 11) for a predetermined and primarily axial compression thereof with absorption of energy from a deforming compressive force that is applied to the coupler head in the longitudinal direction thereof. The coupler head has preferably at least one notch (11, 11) for a predetermined folding of the coupler head housing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3191/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : THREAD-FORMING ELEMENT, PARTICULARLY FOR HOLES MADE IN COLD-DEFORMABLE MATERIALS

(51) International classification	:F16B33/02,F16B25/00	(71)Name of Applicant :
(31) Priority Document No	:PV2010A000004	1)SALA, Carlo, Vittorio
(32) Priority Date	:11/03/2010	Address of Applicant :Via Roma, 101 I-27025 Gambolo', Italy
(33) Name of priority country	:Italy	(72)Name of Inventor :
(86) International Application No	:PCT/IB2011/051018	1)SALA, Carlo, Vittorio
Filing Date	:10/03/2011	
(87) International Publication No	:WO 2011/111023	
(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 thread- forming element, particularly for holes made in cold-deformable materials, comprising a cylindrical body (2) with a circular cross- section which has on at least part of its outer surface a helical thread (4). The helical thread (4) extends in proximity to at least one conical end (5) of the cylindrical body (2). The distinctive characteristic of the thread-forming element (1) consists in the fact that on the surface of the end (5) there is at least one tapping element (6), which has a hexahedral shape with a triangular base.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3192/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CODING OF A SPATIAL SAMPLING OF A TWO-DIMENSIONAL INFORMATION SIGNAL USING SUB-DIVISION

(51) International classification :H04N7/26,G06T9/40,H04N7/50
(31) Priority Document No :PCT/EP2010/054843
(32) Priority Date :13/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/055534
Filing Date :08/04/2011
(87) International Publication No:WO 2011/128269
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
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2)WINKEN, Martin
3)HELLE, Philipp
4)MARPE, Detlev
5)SCHWARZ, Heiko
6)WIEGAND, Thomas

(57) Abstract :

Coding schemes for coding a spatially sampled information signal using sub-division and coding schemes for coding a sub-division or a multitree structure are described, wherein representative embodiments relate to picture and/or video coding applications.

No. of Pages : 105 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3198/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LINER/MEDIUM/PAPER FOR LAMINATED PANEL

(51) International classification :D21H19/82

(31) Priority Document No :61/324,226

(32) Priority Date :14/04/2010

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

(86) International Application No :PCT/US2011/032518

Filing Date :14/04/2011

(87) International Publication No :WO 2011/130527

(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)PROPST, Charles, W.

(57) Abstract :

A laminated panel formed of a paper coated with three layers. The paper can be selected from liner, medium or other paper. The first layer comprises an acrylic containing polymer a clay synthetic polyethylene, a defoamer a cross-linking agent water and optionally a pigment. The second layer comprises a polymethyl methylacrylate polymer a synthetic polyethylene a clay a defoamer and water. A third layer comprises colloidal silica urea water and a defoamer. Composites of the above paper bonded to an expanded polystyrene block are also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3370/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CUTTING TOOL AND COOLANT OUTLET OF SPECIAL SHAPE

(51) International classification :B23B27/10

(31) Priority Document No :206283

(32) Priority Date :10/06/2010

(33) Name of priority country :Israel

(86) International Application No :PCT/IL2011/000406

Filing Date :25/05/2011

(87) International Publication No :WO 2011/154933

(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)ISCAR LTD.

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(72)Name of Inventor :

1)NEIMAN, Grigori

2)AMSTIBOVITSKY, Leonid

(57) Abstract :

A cutting tool (10,36,43) comprising a coolant channel (22) having a coolant outlet (24) formed with an elongated shape, wherein a medial line (A) extending longitudinally along the coolant outlet (24) comprises a bend (60).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3372/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRIC POWER CONTROL APPARATUS AND GRID CONNECTION SYSTEM HAVING SAME

(51) International classification :H02J3/38,G06Q50/00,H02J3/32
(31) Priority Document No :2010-109562
(32) Priority Date :11/05/2010
(33) Name of priority country :Japan
(86) International Application No:PCT/IB2011/000999
Filing Date :11/05/2011
(87) International Publication No :WO 2011/141798
(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)BABA Akira
2)TAKEHARA Kiyotaka
3)TAKAMIYA Akiko
4)TAKEHARA KIYOTAKA
5)TAKAMIYA AKIKO

(57) Abstract :

Provided is an electric power control apparatus which enables surplus electric power from a distributed power supply to be stored in a storage battery in a consumer unit provided with a distributed power supply and a storage battery, and which is characterised in being provided with a value calculation unit which calculates the value of electric power by using a unit value of electricity for sale when charging the storage battery and a unit value of electricity for purchase when discharging from the storage battery.

No. of Pages : 53 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3356/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BROADCAST VIDEO DECODER WITH REDUCED MEMORY AND PROCESSING REQUIREMENTS SUITABLE FOR HANDHELD AND MOBILE APPLICATIONS

(51) International classification :H04N7/26,H04N7/36,H04N7/46
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/054594
Filing Date :07/04/2010
(87) International Publication No:WO 2011/124254
(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)MOLONEY, David
2)IVANOV, Yuri

(57) Abstract :

The present application relates to an apparatus for programmable video size reduction with dynamic image filtering for use in block-based video decoding system. The invention improves the image quality within low video memory requirements and allows for efficient decoding of higher resolution video to be displayed on a lower resolution display device.

No. of Pages : 21 No. of Claims : 29

(54) Title of the invention : A CATHETER ASSEMBLY COMPRISING A RECEPTACLE ACCOMMODATING A CATHETER AND A WETTING FLUID POUCH

(51) International classification :A61M25/00,A61M25/01
 (31) Priority Document No :10163767.6
 (32) Priority Date :25/05/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/058414
 Filing Date :24/05/2011
 (87) International Publication No :WO 2011/147803
 (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)GUSTAVSSON, Evelina

(57) Abstract :

A catheter assembly comprising: a catheter having on at least part of its surface a hydrophilic surface layer intended to produce a low-friction surface character of the catheter by treatment with a wetting fluid prior to use of the catheter; a wetting fluid pouch comprising first and second layers of flexible material joined by a seal to form a sealed closure accommodating said wetting fluid; a receptacle forming a cavity for accommodation of said catheter and said wetting fluid pouch, said wetting fluid pouch being openable by compression of said wetting fluid pouch, thereby enabling the wetting fluid to be discharged into the receptacle, wherein at least one of said first and second layers of said wetting fluid pouch extends beyond the seal of the sealed closure to form an attachment area outside the sealed closure, wherein said wetting fluid pouch is attached to an inner surface of said receptacle, said attachment being provided solely between the receptacle and said attachment area.

No. of Pages : 23 No. of Claims : 17

(54) Title of the invention : SYSTEM FOR THE TRANSFER, STORAGE AND DISTRIBUTION OF INTERMODAL CONTAINERS

(51) International classification :B65G67/60
 (31) Priority Document No :61/343,568
 (32) Priority Date :30/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/034688
 Filing Date :29/04/2011
 (87) International Publication No :WO 2011/137402
 (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)ALBA, Samuel

(72)Name of Inventor :

1)ALBA, David

2)ALBA, Samuel

(57) Abstract :

A system for the transfer, storage and distribution of intermodal containers of a plurality of lengths. The system comprises a first storage area comprising a first plurality of shafts arranged in a grid pattern along a first and second axis, a plurality of gantry cranes slidably disposed along the first axis and extending beyond the storage area, a roof structure disposed at a distance above the plurality of shafts, and a plurality of overhead cranes slidably associated with the plurality of tracks. The shafts disposed in rows along the first axis are configured to store intermodal containers of a plurality of lengths. The shafts disposed in a given row along the second axis are configured to store intermodal containers of a corresponding length. The plurality of gantry cranes are each configured to attach to and transport an intermodal container from a first location to one of a plurality of platforms slidably disposed along the first axis. The platforms delivering the intermodal container to one of the rows of the shafts along the first axis are based on the length of the intermodal container. The roof structure comprises a plurality of tracks corresponding to the rows of the shafts along the second axis. The overhead cranes are each configured to attach to and transport the intermodal container from the platforms to either one of the shafts or to a second location.

No. of Pages : 32 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3359/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PESTICIDAL MIXTURES

(51) International classification :A01N43/90,A01N43/40,A01N53/00
(31) Priority Document No :61/349,228
(32) Priority Date :28/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/058704
Filing Date :27/05/2011
(87) International Publication No :WO 2011/147952
(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)GEWEHR, Markus
3)SIKULJAK, Tatjana
4)LANGEWALD, Jürgen

(57) Abstract :

The present invention, comprising: [(3S,4R,4aR,6S,6aS,12R,12aS,12bS)-3-(cyclopropanecarbonyloxy)-6,12-dihydroxy-4-6a, 12b-trimethyl-11-oxo-9-(pyridin-3-yl)-1,2,3,4,4a,5,6,6a,12a,12b-decahydro-11H,12H-benzo[f]pyrano[4,3-b]chromen-4-yl]methyl cyclopropanecarboxylate(compound II) and a pesticidal compound II; in synergistic effective amounts.

No. of Pages : 45 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.244/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : ACCESS MODULE RE-USE METHODS, SYSTEMS, DEVICES AND COMPUTER READABLE MEDIUMS

(51) International classification	:H04W4/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/TH2010/000025
Filing Date	:29/07/2010
(87) International Publication No	:WO 2012/015366
(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)JENSEN, Eli, Hem

(57) Abstract :

The present invention provides for a method, system, device and computer readable medium for use in reducing wasted network capacity, resources and costs, as well as reducing the large quantities of new access modules that are presently required to be purchased without compromising the availability of access modules for new subscribers.

No. of Pages : 33 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION

(21) Application No.30/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : STRUCTURE FOR REINFORCING PANEL OF CAR BODY

(51) International classification :B62D25/20
(31) Priority Document No :2010-129532
(32) Priority Date :07/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057836
Filing Date :29/03/2011
(87) International Publication No :WO 2011/155249
(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 :

Keyhole type embossings (13) are formed in a backseat underfoot floor panel (8L) in a manner such that the keyhole type embossings (13) protrude in the thickness direction from the lower side (road surface side) to the upper side (vehicle interior side) so as to reinforce the underfoot floor panel (8L). Each of the keyhole type embossings (13) comprises a circular embossing part (11) and an elliptical embossing part (12) having a width smaller than the diameter of the circular embossing part (11). Since the circular embossing part (11) reinforces the underfoot floor panel (8L) equally in all directions passing through the center of the circular embossing part (11), the underfoot floor panel (8L) has a predetermined strength with respect to bending loads in all directions, and there is no directionality in the degree of strength of the underfoot floor panel (8L). The elliptical embossing part (12) extends radially outward from the circumference of the circular embossing part (11) so as to prevent buckling deformation which is likely to occur at the circular bottom surface of the circular embossing part (11) in the thickness direction of the underfoot floor panel (8L).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.300/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : BIPYRIDYL DERIVATIVES

(51) International classification :C07D213/74,C07D401/14,C07D471/04
(31) Priority Document No :10006927.7
(32) Priority Date :05/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/002788
Filing Date :07/06/2011
(87) International Publication No :WO 2012/003912
(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)DORSCH, Dieter
3)JONCZYK, Alfred
4)AMENDT, Christiane
5)ZENKE, Frank

(57) Abstract :

The present invention relates to novel bipyridyl derivatives of formula (I) and to the use of such compounds in which the inhibition regulation and/or modulation of signal transduction by ATP consuming proteins like kinases plays a role, particularly to inhibitors of TGF beta receptor kinases, and to the use of such compounds for the treatment of kinase induced diseases, in particular for the treatment of tumors.

No. of Pages : 99 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3203/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PEPTIDE CONJUGATES OF GLP-1 RECEPTOR AGONISTS AND GASTRIN AND THEIR USE

(51) International classification :C07K14/575,A61K38/22,C07K14/595
(31) Priority Document No:PA 2010 00379
(32) Priority Date :27/04/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/050133
Filing Date :27/04/2011
(87) International Publication No :WO 2011/134471
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)TOLBORG, Jakob Lind
4)FOSGERAU, Keld
5)M...RTENSSON, Ulrika
6)BRORSON, Marianne
7)ROLSTED, Kamilla

(57) Abstract :

The present invention relates, inter alia, to certain peptide conjugates, and to the use of the conjugates in the treatment of a variety of diseases or disorders, including diabetes (type 1 and/or type 2) and diabetes-related diseases or disorders.

No. of Pages : 152 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3380/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SPARK GAP

(51) International classification :F01D5/30,F01D9/04,F04D29/32
(31) Priority Document No :10005079.8
(32) Priority Date :14/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/057628
Filing Date :11/05/2011
(87) International Publication No:WO 2011/141514
(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)BULLINGER,Patrick
2)LINK,Marco
3)SAVILIUS,Nicolas
4)SIEBER,Uwe
5)WIGGER,Hubertus Michael

(57) Abstract :

The invention relates to a fastening assembly (8) for blades (10) of turbomachines through which axial flow can take place, preferably compressors, comprising a blade carrier (20) having a lateral face, in which retaining grooves (22) are distributed along the circumference, with blades (10) being inserted in said grooves, wherein a resilient tensioning element (28) is provided between each groove base (24) and the underside (16) of the respective blade foot (14), said underside being located opposite of the groove base. The tensioning element is supported on the respective underside (16) and on the respective groove base (24) in a pretensioning manner, wherein a channel (18,26) is provided both in the groove base (24) and in the underside (16), with the tensioning element (28) resting in said channels.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3362/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GAS VALVE UNIT FOR A DUAL CIRCUIT BURNER

(51) International classification	:F23N1/00
(31) Priority Document No	:10290272.3
(32) Priority Date	:20/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/057479
Filing Date	:10/05/2011
(87) International Publication No	:WO 2011/144491
(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)NAUMANN Jrn
2)CADEAU Christophe

(57) Abstract :

The invention relates to a gas valve unit for adjusting gas volume flows to a dual circuit gas burner (1) of a gas appliance, in particular a gas cooking appliance. The gas valve unit comprises a gas inlet (3) and two gas outlets (11,12). According to the invention, the gas volume flow fed to the first gas outlet (11) can be adjusted in a plurality of stages and the gas volume flow fed to the second gas outlet (12) can be adjusted in a plurality of stages. The gas valve unit comprises at least two first on off valves (15) for adjusting the gas volume flow fed to the first gas outlet (11), and at least two first throttle points (17), preferably at least three first on-off valves (15) and at least three first throttle points (17). Similarly, the gas valve unit comprises at least two second on off valves (16) for adjusting the gas volume flow fed to the second gas outlet, and at least two first throttle points (18), preferably at least four second on-off valves (16) and at least four second throttle points (18). At least one magnetically acting body, preferably at least one permanent magnet, is provided for controlling the on-off valves (15,16) and is displaceable relative to the on-off valves (15,16).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3363/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : EMERGENCY VEHICLE PATIENT TRANSPORT SYSTEMS

(51) International classification	:A61G3/00,B60N2/07	(71)Name of Applicant :
(31) Priority Document No	:12/767,555	1)FERNOWASHINGTON, INC.
(32) Priority Date	:26/04/2010	Address of Applicant :70 Weil Way, Wilmington, OHIO
(33) Name of priority country	:U.S.A.	45177, United States of America
(86) International Application No	:PCT/US2011/033748	(72)Name of Inventor :
Filing Date	:25/04/2011	1)BOURGRAF, Joseph, G.
(87) International Publication No	:WO 2011/137057	2)WELLS, Timothy, Robert
(61) Patent of Addition to Application	:NA	3)SCHROEDER, Timothy, Paul
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Emergency vehicle patient transport systems are disclosed. In one embodiment, an emergency vehicle patient transport system includes: a loading passage providing access to an interior of an emergency vehicle; one or more tracks coupled to a floor of the emergency vehicle, a ceiling of the emergency vehicle, a wall of the emergency vehicle or combinations thereof wherein, a travel path is delineated by the one or more tracks; and a chair slidably engaged with the one or more tracks, and vertically positioned between the floor and the ceiling. The chair locks in one or more set positions. And, the one or more set positions are selected from a group consisting of an airway care position, an extended airway care position, a procedural care position, a responder position a patient care position, and a patient load position.

No. of Pages : 53 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3364/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : REFRIGERATION APPARATUS

(51) International classification :H02P27/06,F25B1/00,H02M7/48
(31) Priority Document No :2010-106148
(32) Priority Date :06/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/002523
Filing Date :28/04/2011
(87) International Publication No :WO 2011/138864
(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)HARADA Yoshiyuki

2)MAEDA Toshiyuki

(57) Abstract :

Disclosed is a refrigerating apparatus wherein a power module (61) is attached in contact with a refrigerant cooler(81), and the power module is cooled by having a refrigerant dissipate heat, said refrigerant circulating inside of the refrigerant cooler (81). At that time, a controller (60) outputs drive signals to a drive circuit (31), and controls to reduce the number of times the switching is performed by a switching element (37).

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

(54) Title of the invention : DOMESTIC APPLIANCE HAVING A CONTAINER AND A FILLING LEVEL MEASURING DEVICE, AND CORRESPONDING FILLING LEVEL MEASURING METHOD

(51) International classification	:D06F39/02,G01F23/24	(71)Name of Applicant :
(31) Priority Document No	:102010029307.5	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:26/05/2010	Address of Applicant :Carl-Wery-Str.34, 81739, MÜNchen,
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/058398	(72)Name of Inventor :
Filing Date	:24/05/2011	1)FELDMEIER, Rudolf
(87) International Publication No	:WO 2011/147798	2)GIETL, Günter
(61) Patent of Addition to Application Number	:NA	3)JANKE, Eckhard
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a domestic appliance having a container (1) which is intended to receive liquids and is set up, in particular, to store a detergent (2) and to automatically meter said detergent (2). An electrical measuring device (3) which measures a filling level of the storage container (1) is provided. The measuring device (3) has two measuring electrodes (10,11), which are arranged at a distance from one another in the container (1), and a circuit arrangement (4) which is coupled to the measuring electrodes (10,11) and is designed to apply an AC voltage (UR) between the measuring electrodes (10,11) and to measure at least one measurement variable (UM1,UM2,UD) which is correlated with the AC voltage (UR) and with a conductance of a medium (2) between the measuring electrodes. The circuit arrangement (4) also has switching means (16,17) which can be used to couple the measuring electrodes (10,11) either to a first connection (12), to which a positive first potential (U1) is applied, or to a second connection (13), to which a positive second potential that is lower than the first potential or a potential (U2) of 0 volts is applied. The invention also relates to a corresponding filling level measuring method.

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3373/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL TEST METHOD FOR RHEUMATOID ARTHRITIS AND KIT FOR RHEUMATOID ARTHRITIS TEST

(51) International classification :G01N33/68,G01N33/53,G01N33/564
(31) Priority Document No :2010-279005
(32) Priority Date :15/12/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063563
Filing Date :14/06/2011
(87) International Publication No :WO 2012/081271
(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)TSUZAKA,Kensei

(57) Abstract :

Provided are: a novel test method for rheumatoid arthritis; and a kit for rheumatoid arthritis test which is used in the novel test method for rheumatoid arthritis. A test method for rheumatoid arthritis according to the present invention is characterized by comprising a step for measuring the amount of talin in the plasma or serum of an animal subject. This measurement is carried out for example by an immunological method using an antibody which binds to talin. A kit for rheumatoid arthritis test according to the present invention is used for such a test method and contains for example a solid phase carrier to which an antibody that binds to talin is affixed.

No. of Pages : 50 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3374/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SPOUT FAUCET

(51) International classification :C02F1/44,C02F1/28,E03C1/10
(31) Priority Document No :2010-139918
(32) Priority Date :12/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061134
Filing Date :10/05/2011
(87) International Publication No :WO 2011/142476
(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)KAWAKAMI Akiyasu
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1)KAWAKAMI ,Yoichi
2)KAWAKAMI Akiyasu

(57) Abstract :

Disclosed is a spout faucet that: eliminates clogging of a water purifier and a demineralizer; backwashes and cleans particles treated by a filter, which are the cause of clogging, to remove same from the filter, and cleans and discharges same to outside a unit; regenerates the filter and eliminates the inconvenience for users of being forced to replace the filter due to clogging because backwashing is not performed, even though the filter still maintains sufficient filtering capacity; and can discharge and spout from a sink discharge water from a water treatment unit and use same as general service water, to address the issue of hygiene, because currently a hose is inserted into an drainage pipes underneath sinks, and the problem of increasingly serious fresh water shortages in the future.

No. of Pages : 30 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3376/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PESTICIDAL DISPERSION COMPRISING NANOSTRUCTURED DISPERSED PHASE

(51) International classification :A01N25/04,A01P3/00,A01P7/00
(31) Priority Document No :10162155.5
(32) Priority Date :06/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2011/051745
Filing Date :21/04/2011
(87) International Publication No :WO 2011/138701
(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)GLATTER,Otto
2)ENGELSKIRCHEN,Sandra
3)LEVY,Tatjana
4)AUWETER,Helmut
5)BERGHAUS,Rainer
6)STRATHMANN,Siegfried

(57) Abstract :

The present invention relates to a dispersion containing an aqueous continuous phase and a dispersed phase, wherein the dispersed phase exhibits a nano-sized self-assembled structurization and wherein the dispersed phase contains a pesticide with a water solubility at 25 °C of up to 10 g/l and a melting point of below 100 °C. The present invention further relates to a method for preparing said dispersion comprising a step of contacting the components, and to a method for controlling phytopathogenic fungi and/or undesired plant growth and/or undesired attack by insects or mites and/or for regulating the growth of plants, where said dispersion is allowed to act on the particular pests, their habitat or the plants to be protected from the particular pest the soil and/or on undesired plants and/or the useful plants and/or their habitat.

No. of Pages : 20 No. of Claims : 13

(54) Title of the invention : BENDING MACHINE FOR CREATING BENDS TO THE LEFT AND RIGHT

(51) International classification :B21D7/025,B21D7/16,B21D11/07
 (31) Priority Document No :10 2010 020 360.2
 (32) Priority Date :13/05/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/DE2011/000438
 Filing Date :26/04/2011
 (87) International Publication No :WO 2011/141015
 (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)SCHÄFER August-Wilhelm

(57) Abstract :

A machine for bending tubes of large diameter in different bending directions wherein for bending in this machine a tube (10) is guided in the axial direction through an inductive heating device (7) enclosing this tube in an annular manner the tube (10) is secured by a bending lock (4) at the end (11) thereof intended to be bent at least one bending arm (2), which is mounted rotatably about a vertical axis of rotation (8), is located at the part of the bending machine that is disposed in the advancing direction of the tube (10), the bending lock (4) is indirectly connected to the bending arm (2), the bending lock (4) has a force transmission device between the receiving device for tubes and the bending arm (2), the force transmission device is connected to the bending arm (2) such that it can be set so as to allow the distances between the centre axis of the receiving device for tubes and the vertical axis of rotation (8) to be chosen between the smallest distance and greatest distance, whereby a range between a greatest and a smallest bending radius (12) can be set, the machine has at least one further bending lock (5) with a further bending arm (3), a receiving device for tubes and a force transmission device for bending forces from the receiving device to the further bending arm (3), wherein the direction of rotation of the further bending arm (3) is opposed to the direction of rotation of the first bending arm (2), and each of the two bending arms (2,3) can be moved parallel to one another and perpendicular to the advancing direction of the tubes to be bent.

No. of Pages : 16 No. of Claims : 5

(54) Title of the invention : METHOD FOR PRODUCING AN ORTHODONTIC ARCH OR RETAINING ARCH, DEVICE FOR PERFORMING SAID METHOD, RESULTING ORTHODONTIC ARCH OR RETAINING ARCH AND ORTHODONTIC APPLIANCE COMPRISING SAME

(51) International classification :A61C7/20,B21F3/02,B21F3/04
 (31) Priority Document No :10 53778
 (32) Priority Date :17/05/2010
 (33) Name of priority country :France
 (86) International Application No :PCT/FR2011/051091
 Filing Date :16/05/2011
 (87) International Publication No :WO 2011/144854
 (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)CURIEL,Patrick

2)AYACHE,William

3)BOTTOSSO,Claude

4)SALAH,Philippe

(57) Abstract :

The invention relates to a method for producing a bent orthodontic arch or a bent retaining arch for orthodontic treatment, comprising the bending of portions of a metal wire. The invention is characterised in that it comprises the use of an apparatus of the type intended for the production of springs , comprising bending tools and means allowing the continuous movement of the wire to be bent. The invention also relates to the device used to perform the aforementioned method, to the resulting orthodontic arch or retaining arch and to an orthodontic appliance comprising same.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3389/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : IRE-1 INHIBITORS

(51) International classification :A61K31/343,A61K31/352,A61K31/37
(31) Priority Document No :61/320,975
(32) Priority Date :05/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031274
Filing Date :05/04/2011
(87) International Publication No :WO 2011/127070
(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)TORO,Andras
3)PATTERSON,John,Bruce
4)WADE,Warren,Stanfield
5)ZUBOVICS,Zoltan
6)YANG,Yun
7)WU,Zhipeng

(57) Abstract :

Compounds which directly inhibit IRE-1a activity in vitro,and pharmaceutically acceptable salts thereof. Such compounds and prodrugs are useful for treating diseases associated with the unfolded protein response or with regulated IRE1 dependent decay (RIDD) and can be used as single agents or in combination therapies.

No. of Pages : 484 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3390/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DOUBLE STACKED PROJECTION

(51) International classification :G06T5/50,G06T3/40,H04N9/31
(31) Priority Document No :PA 2010 00320
(32) Priority Date :18/04/2010
(33) Name of priority country :Denmark
(86) International Application No:PCT/EP2011/056173
Filing Date :18/04/2011
(87) International Publication No :WO 2011/134834
(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)IVERSEN,Steen,Svendstorp

(57) Abstract :

A method for producing a first output image and a second output image for being projected by a first projector and a second projector respectively is disclosed. The method comprises: providing a source image comprising a plurality of pixels, each pixel having a source value, providing an inverted threshold value for each pixel of the plurality of pixels, and generating thereof a temporary image comprising a temporary value for each pixel of the plurality of pixels. The method further comprises: generating the first output image comprising a first output value for each pixel of the plurality of pixels the first output value being generated from the temporary value and the source value for each pixel and generating the second output image comprising a second output value for each pixel of the plurality of pixels, the second output value being generated from the temporary value.

No. of Pages : 93 No. of Claims : 106

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3391/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD, RADIO BASE STATION AND MOBILE STATION

(51) International classification :H04W24/10,H04W36/08,H04W36/30

(31) Priority Document No :2010-104281

(32) Priority Date :28/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/060301
Filing Date :27/04/2011

(87) International Publication No :WO 2011/136290

(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)IWAMURA,Mikio

2)UMESH,Anil

(57) Abstract :

A mobile communication method comprises: a step in which a radio base station (eNB) notifies, to a mobile station (UE), a condition to trigger a measurement report, measurement report objects (CC) to which measurement results are to be reported when the measurement report is performed and a maximum number of cells for which the measurement results are to be reported per measurement report object (CC); and a step in which the mobile station (UE) transmits, to each of the notified measurement report objects (CC), the measurement results in cells the number of which is equal to or less than the notified maximum number.

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

(54) Title of the invention : CELL MODULE

(51) International classification :H01M2/10,H01M2/20,H01M2/30

(31) Priority Document No :2010-088831

(32) Priority Date :07/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/058168

Filing Date :31/03/2011

(87) International Publication No :WO 2011/125812

(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)MOTOHASHI Toshiyuki**2)HIGASHINO Tatsuya****3)SUZUKI Yasuhiro**

(57) Abstract :

Disclosed is a cell module which is formed by laminating a plurality of flat cells, each of which has electrode tabs, and a plurality of insulating members, which are disposed so as to eliminate a short-circuit between the electrode tabs. The cell module has: a fitting section (70), which is formed by laminating the insulating members, and has an external connector (80) fitted therein; and a second engaging section (102), which is formed on an insulating member (100), and engages with a first engaging section (83) of the external connector (80). The cell module which can have the connector inserted therein and engaged therewith, while reducing the number of components, is provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3366/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COLLECTING CONTAINER, SYSTEM COMPRISING COLLECTING CONTAINER AND MULTI-PHASE PUMPS, AND METHOD FOR SEPARATING AND DIVIDING UP A MULTI-PHASE MIXTURE

(51) International classification	:B01D17/00
(31) Priority Document No	:10 2010 019 238.4
(32) Priority Date	:03/05/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/000457
Filing Date	:27/04/2011
(87) International Publication No	:WO 2011/137892
(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)ROHLFING Gerhard
3)BRANDT Jens-Uwe
4)DREWNIOK Marco
5)REICHWAGE Mark

(57) Abstract :

The invention relates to a collecting tank for multi phase mixtures from a hydrocarbon source having at least one inlet (20) for introducing multi phase mixtures into the collecting tank (10) and having a plurality of outlet connectors (30) which can be connected to pumps (3) via which multi phase mixtures are pumped the outlet connectors (30) being assigned inwardly directed internals (40) which project upwards beyond the collecting tank base (11) and have a first upper opening (42) and a second lower opening (41) wherein the flow cross section of the lower opening (41) is smaller than that of the upper opening (42).

No. of Pages : 36 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3367/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR SUPPLYING AN ELECTRIC DOMESTIC APPLIANCE FROM A LOW VOLTAGE SUPPLY NETWORK AND A DOMESTIC APPLIANCE SUITABLE FOR CARRYING OUT SAID METHOD

(51) International classification :B29C45/50,B29C45/76,F15B21/14
(31) Priority Document No :10 2010 020 573.7
(32) Priority Date :14/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057420
Filing Date :09/05/2011
(87) International Publication No :WO 2011/141423
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
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2)LANKER, Markus

(57) Abstract :

The present invention relates to a method for operating a hybrid drive (30) and to such a hybrid drive. The hybrid drive comprises an electric motor (1), which is coupled to a hydraulic drive (2) having a double-acting hydraulic piston (2a) and a piston rod (2b), and a substantially throttle-less valve for actuating the hydraulic drive and a control unit (10) for actuating the electric machine. In particular in order to avoid unnecessary energy consumption, an actuating direction requested by the hybrid drive and a desired actuating force are determined, the valve is switched to a position such that the hydraulic drive is effective in the actuating direction, at least when the actuating force cannot be generated by the electric motor alone, the difference between the force generated by the hydraulic drive and the actuating force is determined, and the electric motor is operated such that the desired actuating force is achieved by adding the force generated by the motor to the force generated by the hydraulic drive, or subtracting the first from the latter.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3368/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MEDICAL TREATMENT ARRANGEMENT

(51) International classification :A61M1/28
(31) Priority Document No :10 2010 022 201.1
(32) Priority Date :20/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/002532
Filing Date :20/05/2011
(87) International Publication No :WO 2011/144355
(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)BREITKOPF, Berthold
3)SAUER, Klaus
4)HARTMANN, Marcus
5)NIKOLIC, Dejan
6)HEIDE, Alexander

(57) Abstract :

The present invention relates to a medical treatment arrangement with at least three equipment parts, wherein the first equipment part is an equipment part not designed for the treatment of a patient, wherein the second equipment part is connected to the third equipment part in such a way that treatment of a patient can be carried out with these equipment parts, wherein the second equipment part is movable relative to the first equipment part and relative to the third equipment part, and wherein provision is also made that the first and second equipment parts and/or the second and third equipment parts are designed in such a way that energy and/or data can be exchanged between them in a unidirectional or bidirectional manner.

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

(54) Title of the invention : MACHINE TOOL FOR ROTARY MACHINING

(51) International classification :B23Q1/54,B23Q11/00,B23C3/05
 (31) Priority Document No :10 2010 029 288.5
 (32) Priority Date :25/05/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/058345
 Filing Date :23/05/2011
 (87) International Publication No :WO 2011/147770
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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GERMANY**2)MACHINES SERDI S.A.**

(72)Name of Inventor :

1)FRONIUS, Jürgen**2)SOQUET, Michel****3)MUGNIER, Rémi****4)BRAUN, Karl-Heinz**

(57) Abstract :

The invention relates to a machine tool (100), in particular for machining valve seats (102) on cylinder heads. The machine tool (100) has a mechatronic assembly (10) which has a machine spindle (12). The machine tool (100) comprises a tool head (18) which is held on the machine spindle (12) and which has a basic body (20) and also at least one working slide (22), which is adjustable relative to the basic body (20), for holding a tool (23). The mechatronic assembly comprises an electric adjusting motor (24) which acts on the working slide (22). The machine tool (100) has a support device (106) which holds the mechatronic assembly (10) and which has an articulated joint arrangement (110) at which the mechatronic assembly (10) can be pivoted at least about a first axis (114) and about a second axis (116) which differs from the first axis (114). According to the invention the adjusting motor (24) is positioned in the mechatronic assembly (10) such that the weight Fv of the adjusting motor (24) at least partially compensates the torque caused by the weight FG of the tool head (18) during a pivoting of the mechatronic assembly (10) about the first axis (114) and/or the second axis (116).

No. of Pages : 24 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3381/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BRACING AND ELECTROSTIMULATION FOR ARTHRITIS

(51) International classification :A61N1/18
(31) Priority Document No :12/782,270
(32) Priority Date :18/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/023200
Filing Date :31/01/2011
(87) International Publication No :WO 2011/146150
(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)LUNAU Kevin R.
2)SKAHAN Michael S.
3)GILMOUR Robert
4)ZIZIC Thomas M.
5)KNAPE James W.

(57) Abstract :

A system for treating arthritis includes at least one joint stabilizing assembly for providing relief from arthritis. At least one signal transmission element engagement member is operatively connected to the joint stabilizing assembly for connecting a signal transmission element. At least one signal transmission element is supported by the at least one signal transmission element engagement member. An electrostimulation unit electrically connected to the signal transmission element produces a signal for improving the overall function of an arthritic joint. The electrostimulation unit used in conjunction with the joint stabilizing assembly for greater than 150 hours provides a synergistic effect, which results in optimized joint treatment versus using either the joint stabilizing assembly or electrostimulation unit alone.

No. of Pages : 58 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3382/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR THE AUTOMATED MOUNTING OF MODULES ON RECEIVING DEVICES, IN PARTICULAR SOLAR MODULES ON STANDS, AND MOBILE MOUNTING DEVICES FOR SUCH MODULES

(51) International classification :B60P1/54,B60P3/14,F24J2/52
(31) Priority Document No :10 2010 022 571.1
(32) Priority Date :02/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059192
Filing Date :03/06/2011
(87) International Publication No :WO 2011/151440
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :

1)KIENER MASCHINENBAU GMBH

Address of Applicant :Anton-Grimmer-Strasse 2, 73466
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(72)Name of Inventor :

1)KIENER,Waldemar

2)BRODBECK,Bernd

(57) Abstract :

The invention relates to a method and to a mobile mounting device (11) for the automated mounting of modules (16) on receiving devices (17), in particular of solar modules on stands, in which method a module (16) is gripped by a mounting tool (24), wherein before transferring the module (16) to the mounting position (36), the handling device (21) is transferred to a measuring position (35) above the mounting position (36), the location of mounting points (37) in the mounting position (36) is determined, the module (16) is transferred to the mounting position (36) starting from the measuring position (35), and the assembly movement is carried out automatically.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3383/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : REDUCING AGENT DOSING SYSTEM FOR INJECTING A REDUCING AGENT INTO THE EXHAUST-GAS FLOW OF AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F01N3/20
(31) Priority Document No	:10 2010 044 468.5
(32) Priority Date	:06/09/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/003196
Filing Date	:29/06/2011
(87) International Publication No	:WO 2012/031642
(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 :Carlo-Schmid-Allee 1, 44263
Dortmund,GERMANY
(72)Name of Inventor :
1)KASSEL,Armin
2)OVERHOFF,Werner

(57) Abstract :

The invention relates to a reducing agent dosing system for injecting a reducing agent into the exhaust-gas flow of an internal combustion engine for selective catalytic reduction, wherein the dosing system can be or is connected to a reducing agent tank (1) from which reducing agent is extracted and delivered by means of a reducing agent pump (2), wherein there is a compressed air supply (3) and at least one nozzle (4) is provided which is connected to the pressure line (11) of the reducing agent pump (2) and via which the reducing agent is introduced into the exhaust-gas flow and atomized by means of compressed air, wherein the pressure line (11) of the reducing agent pump (2) issues via an inlet (6) into a valve (5) which when it is subjected to pressure by reducing agent delivered by the reducing agent pump (2), opens up the inlet (6) to the valve (5) and an overflow duct to an outlet (7) of the valve to a dosing line (12) to the nozzle (4).

No. of Pages : 16 No. of Claims : 11

(54) Title of the invention : IMAGE DEVELOPING DEVICE, PROCESS CARTRIDGE INCLUDING IMAGE DEVELOPING DEVICE, AND IMAGE FORMING DEVICE INCLUDING IMAGE DEVELOPING DEVICE

<p>(51) International classification :G03G15/08 (31) Priority Document No :2011-055969 (32) Priority Date :14/03/2011 (33) Name of priority country :Japan (86) International Application No :PCT/JP2012/056210 Filing Date :05/03/2012 (87) International Publication No :WO 2012/124645 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(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)NAKATAKE,Naoki 2)KUBOTA,Tomohiro 3)TSURITANI,Shoh 4)NAGATOMO,Yuji 5)MATSUNO,Yasuhide 6)KATOH,Hiroaki 7)ADACHI,Tomoya 8)MIYAZAKI,Rumi 9)MIYAZAKI,Takafumi 10)YAMASHITA,Takeshi 11)ABE,Kyoko 12)FUJIWARA,Yasuhiro 13)SANADA,Takahiro</p>
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(57) Abstract :

An image developing device includes a developer supporting body; a first conveyance path in which a first conveyance member is arranged; a second conveyance path in which a second conveyance member is arranged; and a partition member that partitions the first conveyance path and the second conveyance path and that has a first communication port and a second communication port. The first communication path and the second communication path communicates with each other through the first communication port and the second communication port. The image developing device includes a developer amount detection unit that includes an optical detection unit arranged in the second conveyance path and that optically detects an amount of the developer in the image forming device. The developer is caused to accumulate in the vicinity of the developer amount detection unit.

No. of Pages : 95 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3288/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GRAIN-DRYING FACILITY

(51) International classification :F26B9/06,F26B17/14,F26B21/00
(31) Priority Document No :2010-098628
(32) Priority Date :22/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/056335
Filing Date :17/03/2011
(87) International Publication No :WO 2011/132481
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SATAKE CORPORATION
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(72)Name of Inventor :
1)FUJITOMO Hirota

(57) Abstract :

Provided is a grain-drying facility that can effectively utilize the thermal energy of hot air generated by the combustion of biomass in a biomass combustion furnace. The disclosed grain- drying facility (1) includes: a biomass combustion furnace (3) provided with a heat exchanger (24) that generates hot air on the basis of the heat of combustion of biomass fuel and outside air taken in from outside; and a circulation-type grain drier (2) provided with a grain-drying section (7) to which the hot air generated by the biomass combustion furnace (3) is supplied via a hot-air supply pipe (15). The circulation type grain drier (2) is provided with a grain heating section (6) including: a plurality of heating tubes (6a) provided inside a grain storage/circulation tank (5) for heating the grains therein; and an air exhaust fan (14) that is linked to the exhaust-side opening (6c) of each heating tube (6a), the exhaust-side opening being located on the side of one end of each heating tube. The circulation-type grain drier (2) also includes an exhaust-hot-air supply pipe (11) that links the exhaust hot air discharged from the biomass combustion furnace (3) with the intake-side opening (6b) of each heating tube (6a), the intake-side opening being located on the side of the other end of each heating tube.

No. of Pages : 33 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3289/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR RECYCLING OF OBSOLETE PRINTED CIRCUIT BOARDS

(51) International classification :C22B7/00,C23F1/44,H05K3/22
(31) Priority Document No :61/324,390
(32) Priority Date :15/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/032675
Filing Date :15/04/2011
(87) International Publication No :WO 2011/130622
(61) 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 TECHNOLOGY MATERIALS, INC.
Address of Applicant :7 Commerce Drive, Danbury,
Connecticut 06810 United States of America
(72)Name of Inventor :
1)BROSSEAU, André
2)GRIGORENKO, Svitlana
3)JIANG, Ping
4)KORZENSKI, Michael

(57) Abstract :

Processes for recycling printed wire boards using environmentally-friendly compositions, wherein electronic components, precious metals and base metals may be collected for reuse and recycling.

No. of Pages : 61 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3435/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RUTHENIUM BASED COMPLEXES

(51) International classification	:C07F15/00
(31) Priority Document No	:10166820.0
(32) Priority Date	:22/06/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2011/052410
Filing Date	:01/06/2011
(87) International Publication No	:WO 2011/161570
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :1, Route Des Jeunes, P. O. Box 239,
CH-1211 Geneva 8 SWITZERLAND

(72)Name of Inventor :

1)BONOMO, Lucia

2)DUPAU, Philippe

3)BONNAUDET, Serge

(57) Abstract :

The present invention relates to the field of catalysis and, more particularly, to a ruthenium carbonate complex of formula [Ru(diene)(C03)] or [Ru(diene)(C03)2]Mn, wherein M is an alkaline (n is 2) or alkaline earth (n is 1) cation. The invention relates also to the use of said ruthenium carbonate complex as precursors for a number of Ru carboxylate complexes. Said specific ruthenium complexes possess a number of important advantages over the similar prior art known precursors.

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

(54) Title of the invention : OPERATING METHOD OF AN APPARATUS FOR PURIFYING A FLUID AND APPARATUS FOR PURIFYING A FLUID

(51) International classification	:C02F1/469	(71)Name of Applicant :
(31) Priority Document No	:PD2010A000144	1)IDROPAN DELL'ORTO DEPURATORI S.R.L.
(32) Priority Date	:05/05/2010	Address of Applicant :Via Valassina, 19, I-20159 Milano Italy
(33) Name of priority country	:Italy	(72)Name of Inventor :
(86) International Application No	:PCT/IB2011/000957	1)SERVIDA, Tullio
Filing Date	:05/05/2011	
(87) International Publication No	:WO 2011/138663	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Operating method of an apparatus for purifying a fluid by means of an apparatus provided with an even number of cells, each of which comprises at least one lead through condenser and is electrically connected to a direct current power supply. The method foresees cyclically repeating, for each cell, a charging step, in which the power supply charges the electrodes of the cell at different polarity; a service step, in which a flow of fluid to be treated is forced to pass through the electrodes of the lead through condenser of the cell with progressive build-up of the ionized particles of the fluid on the electrodes; and a regeneration step, in which the electrodes are discharged and a flow of washing fluid is forced to pass in the condenser of the cell with consequent removal of the ionized particles built up on the electrodes. Starting from the charging step of at least one first cell of the two cells, the second cell, once its service step is complete and at the start of its regeneration step, is connected in series with reverse polarity to the first cell to at least partially discharge its electrodes on the first cell in an energy recovery step. During the energy recovery step the first cell is also jointly powered by the power supply, which detects the voltage on the first cell and by means of a control card controls the supply voltage to make a preset operating voltage across the first cell.

No. of Pages : 52 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3282/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PRODUCING SURFACE-MODIFIED FLUORORESIN FILM, METHOD FOR PRODUCING RUBBER COMPOSITE, AND RUBBER ARTICLE FOR MEDICAL USE

(51) International classification	:C08J7/00,B32B25/08	(71)Name of Applicant :
(31) Priority Document No	:2010-175414	1)SUMITOMO RUBBER INDUSTRIES, LTD.
(32) Priority Date	:04/08/2010	Address of Applicant :6-9, Wakinohama-cho 3-chome, Chuo-
(33) Name of priority country	:Japan	ku, Kobe-shi, Hyogo 6510072 JAPAN
(86) International Application No	:PCT/JP2011/064996	(72)Name of Inventor :
Filing Date	:30/06/2011	1)NAKANO Hiroaki
(87) International Publication No	:WO 2012/017758	2)YAO Eiji
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a method for producing a surface- modified fluororesin film that can be stored for a long period of time a method for producing a rubber composite wherein the surface modified fluororesin film and a rubber are joined and a rubber article for medical use that is formed from the rubber composite. The method for producing a surface modified fluororesin film roughens the surface of a fluororesin film (RF) by radiating an ion beam from an anode layer ion source (2) to said surface. In the surface modified fluororesin film thus produced by means of overlapping the rubber on the roughened surface and subjecting the result to vulcanization forming it is possible to firmly bond the rubber and the surface to each other simultaneously.

No. of Pages : 42 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3284/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND DEVICE BY WHICH MOULDING COMPOUND TO BE PROCESSED IS KEPT MOIST DURING THE PRODUCTION OF MOULDS OR CORES

(51) International classification	:B22C19/00,B22C23/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 018 751.8	1)LAEMPE & MÖSSNER GMBH
(32) Priority Date	:29/04/2010	Address of Applicant :Hintern Hecken 3, 39179 Barleben
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/001757	(72)Name of Inventor :
Filing Date	:08/04/2011	1)WINTGENS, Rudolf
(87) International Publication No	:WO 2011/134598	2)FALLER, Martin
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In order to produce moulds or cores for foundry purposes from a mixture (M) of moulding compound or sand and at least one binder, the mixture is mixed (M) by means of a mixing device (20) and is fed with the aid of a feeding system (30) to at least one sand storage unit (40) of a core or mould production device (50), wherein the mixture-free region (21) of the mixing device (20), at least at times, and/or the feeding system (30) located between the mixing device (20) and the core or mould production device (50), and/or the sand storage unit (40) downstream of the feeding system (30) and upstream of the core or mould production device (50), is moistened or kept moist by means of a liquid (71), wherein the liquid (71) used for moistening is atomised by at least one ultrasonic atomiser (60) to form a suspended aerosol and is fed to the mixing device (20) and/or the feeding system (30) and/or the sand storage unit (40) via pipes (81,82,83).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3285/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ROCK DRILLING MACHINE, REMOVABLE CARTRIDGE, STOP RING AND DRILLING RIG

(51) International classification:B25D17/00,B25D17/08,E21B6/00

(31) Priority Document No :1050531-1

(32) Priority Date :28/05/2010

(33) Name of priority country :Sweden

(86) International Application
No :PCT/SE2011/050571

Filing Date :06/05/2011

(87) International Publication
No :WO 2011/149406

(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)NILSSON, Ulf

2)WALTER, Magnus

(57) Abstract :

The invention relates to a rock drilling machine comprising a front part (1a), a removable cartridge (5) arranged in the front part (1a), a shank adapter (3) and a stop ring (4) for the shank adapter (3). According to the invention, the diameter of the removable cartridge (5) is at least as great as the diameter of the stop ring (4), such that it is possible during demounting of the removable cartridge (5) to mount or demount the stop ring (4), without removing the front part (1 a) from the rock drilling machine. The invention also relates to a removable cartridge (5), a stop ring (4) and a drilling rig incorporating the drilling machine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3446/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR DRYING DRILL CUTTINGS

(51) International classification :E21B21/06,B01D21/02,B01D35/20
(31) Priority Document No :61/334,117
(32) Priority Date :12/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000542
Filing Date :11/05/2011
(87) International Publication No :WO 2011/140635
(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 :3958 Edenstone Road, NW, Calgary,
Alberta T3A 3Z6, CANADA
(72)Name of Inventor :
1)POMERLEAU, Daniel Guy

(57) Abstract :

This application describes systems and methods for separating fluids from drill cuttings. Specifically the invention relates to shakers that incorporate modifications including vacuum systems and/or partitions and methods of operating such shakers to affect a high degree of fluid separation. The system and methods are effective across a variety of screen sizes vacuum flows and vacuum designs. The system is also particularly effective in assisting in the separation of gases from drilling fluids.

No. of Pages : 59 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3447/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SURFACE SHEET FOR WOUND DRESSING AND WOUND DRESSING

(51) International classification :A61F13/00,A61F13/02
(31) Priority Document No :2010-126338
(32) Priority Date :01/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/062427
Filing Date :31/05/2011
(87) International Publication No :WO 2011/152368
(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)KURATA, Shuhei

(57) Abstract :

Disclosed is a surface sheet for a wound dressing and a wound dressing; with the ability to maintain a moist environment while trapping an exudate in such a manner that the area of the exudate does not significantly spread out; that is simple to detach after use; that does not produce redness, a sweat rash or offensive odors; and that can be made to fit to wound surfaces of various shapes. A liquid permeable layer (1) is provided on the side to be used in such a manner as to face a wound site (15). The liquid permeable layer (1) comprises a surface sheet (10) made from a resin. The surface sheet (10) comprises a first surface (11) that faces the wound site (15), a second surface (12) on the opposite side of the first surface (11), and many perforations (13) that pass through the two surfaces (11 and 12) in the thickness direction. The perforations (13) permit liquids to penetrate from the first surface (11) to the second surface (12). The first surface is hydrophobic.

No. of Pages : 78 No. of Claims : 31

(54) Title of the invention : ELECTRICAL CONNECTION FOR CONNECTING A THERMOCOUPLE TO THE MAGNET ASSEMBLY OF A SAFETY COCK FOR GAS SUPPLY

(51) International classification	:H01R13/05,F23N5/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SABAF S.P.A.
(32) Priority Date	:NA	Address of Applicant :Via Dei Carpini, 1, I-25035 Ospitaletto
(33) Name of priority country	:NA	(BS) Italy
(86) International Application No	:PCT/IT2010/000292	(72)Name of Inventor :
Filing Date	:30/06/2010	1)BETTINZOLI, Angelo
(87) International Publication No	:WO 2012/001716	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Electrical connection for connecting the phase conductor (2) and the ground cable (1) of a thermocouple to the magnet assembly (9) of a gas supply safety cock, of the type comprising a thermocouple connection head (100) that can be coupled to a complementary contact portion (200) of the magnet assembly (9), in which the connection head (100) of the thermocouple comprises a first terminal (3) for the phase conductor (2), or for the ground cable, and a second terminal for the ground cable (1), or for the phase conductor, and in which the aforesaid contact portion (200) of the magnet assembly (9) comprises a complementary jack (13) for the first terminal (3) and a coupling collar (10) for the second terminal (4). The second terminal (4) advantageously comprises at least one thin elastic plate (5a, 5b, 5c, 5d) internally insertable in the collar (10), and the thermocouple's connection head (100) and the contact portion (200) of the magnet assembly (9) are shaped to deform the thin elastic plate (5a,5b,5c,5d) when inserted inside the same collar (10) in contact with the latter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3428/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE STATION, RADIO BASE STATION, AND COMMUNICATION CONTROL METHOD

(51) International classification :H04W24/10,H04W52/02,H04W72/04
(31) Priority Document No :2010-113691
(32) Priority Date :17/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/060990
Filing Date :12/05/2011
(87) International Publication No :WO 2011/145511
(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)ISHII, Hiroyuki

(57) Abstract :

Disclosed is a mobile station (UE) which employs two or more carriers for communicating with a radio base station. The two or more carriers include a non-discontinuous reception carrier and a discontinuous reception carrier. In this case, the mobile station (UE) includes a first communication section for communicating with the non-discontinuous reception carrier and a second communication section for communicating with the discontinuous reception carrier. The first communication section interprets the intervals before and after an ON duration of the discontinuous reception carrier as a measurement gap.

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

(54) Title of the invention : TANGLESS HELICAL COIL INSERT INSERTING TOOL

(51) International classification	:B25B27/14
(31) Priority Document No	:2010-172804
(32) Priority Date	:30/07/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/067377
Filing Date	:22/07/2011
(87) International Publication No	:WO 2012/015018
(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)Nippon Sprew Co., Ltd.Address of Applicant :16-5, Shinbashi 5-chome Minatoku,
Tokyo 105-0004 JAPAN

(72)Name of Inventor :

1)HONDO, Fusahide

(57) Abstract :

Provided is a tangless helical coil insert inserting tool which has a simpler structure as compared with a conventional tool, which is also simply manufactured and assembled, accordingly the manufacturing cost of which can be reduced, and in addition which is excellent in operability. The tangless helical coil insert inserting tool (1) comprises: a mandrel (43), at least the end portion of which forms a threaded axis (45) in order to insert a tangless helical coil insert (100) into a workpiece; and a pivot nail (80) provided with a nail portion (81) engaged with a notch (101) of an end coil portion of the tangless helical coil insert (100) screwed to the threaded axis (45). The pivot nail (80) has an elastic linking member (83) having one end fixed to a pivot nail attaching groove (71) and the other end attached to the nail portion (81). The elastic linking member (83) presses the nail portion (81) in the outward radial direction of the threaded axis (45) so that a hook portion (90) formed on the nail portion (81) is engaged with the notch (101) of the tangless helical coil insert (100) in a spring back fashion.

No. of Pages : 31 No. of Claims : 4

(54) Title of the invention : METHOD FOR APPLYING FORMULATIONS WHICH CONTAIN BACTERIORHODOPSIN ONTO SUBSTRATES, AND PRODUCTS PRODUCED BY THIS METHOD

(51) International classification :B41M3/14,B41M7/00,B42D15/00	(71)Name of Applicant :
(31) Priority Document No :00984/10	1)U-NICA TECHNOLOGY AG
(32) Priority Date :18/06/2010	Address of Applicant :Industriestrasse 4, CH-7208 Malans
(33) Name of priority country :Switzerland	SWITZERLAND
(86) International Application No :PCT/EP2011/060163	(72)Name of Inventor :
Filing Date :17/06/2011	1)RITTER, Ulrich
(87) International Publication No :WO 2011/157838	2)LANGE, Markus
(61) Patent of Addition to Application Number :NA	3)SCHINDLER, Samuel
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

The invention relates to a method for producing a coating in regions on the basis of a formulation which contains bacteriorhodopsin colour-changing pigment in the form of an active colour-change motif on a substrate, and to coatings which are produced using a method of this type and to articles having coatings of this type. Here, the method comprises the following steps: a) printing of the substrate, in the form of a motif, with the formulation which contains bacteriorhodopsin colour-changing pigment; b) partial drying of the printed substrate; c) optionally repetition of steps a) and/or b); d) calendering of the printed and partially dried substrate; e) complete drying of the coating.

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

(54) Title of the invention : ELECTRICAL SERVICE SWITCHING DEVICE HAVING A QUICK-ACTION FASTENING APPARATUS

(51) International classification	:H02B1/052	(71)Name of Applicant :
(31) Priority Document No	:10 2010 019 257.0	1)ABB AG
(32) Priority Date	:03/05/2010	Address of Applicant :Kallstadter Str. 1, 68309 Mannheim,
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/001459	(72)Name of Inventor :
Filing Date	:24/03/2011	1)WIELAND, Ralf
(87) International Publication No	:WO 2011/137946	2)EPPE, Klaus-Peter
(61) Patent of Addition to Application Number	:NA	3)WEBER, Ralf
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an electrical service switching device (1) having a housing (2) and having a quick-action fastening apparatus (3) for snapping the service switching device (1) onto a top hat profile mounting rail (4), having at least one moving stop lug (6) which is arranged on the fastening side (5) and engages behind a longitudinal edge (7) of the top-hat profile mounting rail (4) in the state in which it is snapped onto the top-hat profile mounting rail (4), wherein the moving lug (6) is fastened to a slide (8), wherein the slide (8) is fitted with a catch (9) for latching the slide(8) to, and unlatching the slide (8) from, the housing (2). The slide (8) has a U shaped cross sectional contour with a base plate (10) and a first and a second side wall (11,12), and is guided by the side walls (11,12) so as to move in a sliding manner in sliding rails (13) which are formed in the mounting side (5), and the moving stop lug (6) is fitted on the free end of a spring means (140,141), which is integrally connected to the slide (8), as a resilient stop lug wherein the spring means (140,141) acts on the moving stop lug (6) in the direction of the longitudinal edge (7) of the top hat profile mounting rail (4) with a spring force and therefore the spring means (140,141) applies the contact-pressure force of the moving stop lug (6) against the top hat profile mounting rail (4).

No. of Pages : 29 No. of Claims : 11

(54) Title of the invention : INFORMATION SIGNAL REPRESENTATION USING LAPPED TRANSFORM

(51) International classification :G10L19/02
 (31) Priority Document No :61/442,632
 (32) Priority Date :14/02/2011
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2012/052458
 Filing Date :14/02/2012
 (87) International Publication No :WO 2012/110478
 (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)SCHNELL, Markus
2)GEIGER, Ralf
3)RAVELLI, Emmanuel
4)FOTOPOULOU, Eleni

(57) Abstract :

An information signal reconstructor is configured to reconstruct, using aliasing cancellation, an information signal from a lapped transform representation of the information signal comprising for each of consecutive overlapping regions of the information signal a transform of a windowed version of the respective region wherein the information signal reconstructor is configured to reconstruct the information signal at a sample rate which changes at a border (82) between a preceding region (84) and a succeeding region (86) of the information signal. The information signal reconstructor comprises a retransformer (70) configured to apply a retransformation on the transform (94) of the windowed version of the preceding region (84) so as to obtain a retransform (96) for the preceding region (84) and apply a retransformation on the transform of the windowed version of the succeeding region (86) so as to obtain a retransform (100) for the succeeding region (86) wherein the retransform (96) for the preceding region (84) and the retransform (106) for the succeeding region (86) overlap at an aliasing cancellation portion (102) at the border (82) between the preceding and succeeding regions; a resampler (72) configured to resample by interpolation the retransform (96) for preceding region (84) and/or the retransform (100) for the succeeding region (86) at the aliasing cancellation portion (102) according to a sample rate change at the border (82); and a combiner (74) configured to perform aliasing cancellation between the retransforms (96 100) for the preceding and succeeding regions (84 86) as obtained by the resampling at the aliasing cancellation portion (102).

No. of Pages : 42 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3470/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : NETWORK AND EXPANSION UNIT AND METHOD FOR OPERATING A NETWORK

(51) International classification :H04L12/46,H04L12/24,H04L12/56
(31) Priority Document No :102010029301.6
(32) Priority Date :26/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/058316
Filing Date :23/05/2011
(87) International Publication No :WO 2011/147759
(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)BEYER,Ralf
2)KARL,Harald
3)WILDING,Michael

(57) Abstract :

The invention relates to a network (3), in particular an Ethernet network, comprising as network elements at least two network components (4A, 4B) that are interconnected by means of a network transmission line (2). According to the invention at least one expansion unit (1) having two external ports (A, B) is disposed in the network line (2) for extending the scope thereof, wherein the expansion unit (1) forwards a failure of the network transmission line (2) at one of the ports (A, B) thereof to a port (B or A) of the next subsequent network element (network component 4A or 4B). The invention further relates to an expansion unit (1) and to a method for operating a network (3).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3422/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : A PROCESS FOR THE PRODUCTION OF A COMPOSITION COMPRISING FIBRILLATED CELLULOSE AND A COMPOSITION

(51) International classification	:D21H19/62,D21C9/00	(71)Name of Applicant :
(31) Priority Document No	:1050472-8	1)STORA ENSO OYJ
(32) Priority Date	:12/05/2010	Address of Applicant :Kanavaranta 1, FI-00101 Helsinki
(33) Name of priority country	:Sweden	FINLAND
(86) International Application No	:PCT/IB2011/052064	(72)Name of Inventor :
Filing Date	:11/05/2011	1)HEISKANEN, Isto
(87) International Publication No	:WO 2011/141877	2)BACKFOLK, Kaj
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for the production of a composition wherein the process comprises pre treating cellulosic fibers by mechanical, chemical and/or enzymatic treatment, mixing the pre-treated cellulosic fibers with pigments forming a dispersion and dispersing the dispersion of pre-treated cellulosic fibers and pigments whereby a composition comprising microfibrillated cellulose is formed. The invention further relates to a composition produced according to the process.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3423/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FOLDABLE SPACE SAVING CONTAINER

(51) International classification :B65D5/32,B65D5/36,B65D5/10

(31) Priority Document No :RM2010A000254

(32) Priority Date :18/05/2010

(33) Name of priority country :Italy

(86) International Application No:PCT/IT2011/000151

Filing Date :13/05/2011

(87) International Publication No :WO 2011/148400

(61) Patent of Addition to :NA

Application Number :NA

Filing Date

(62) Divisional to Application :NA

Number :NA

Filing Date

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(72)Name of Inventor :

1)MEUTI, Diego

(57) Abstract :

The present invention relates to a substantially parallelepiped- shaped container with a closable top opening, which container is obtained from a one-piece flat blank, wherein the arrangement of the parts is such that the container which is obtained, once assembled, is of the foldable and collapsible type with a space-saving function. Two non - consecutive flaps (25, 27) forming the closable top opening have U-shaped edge notches (31), spaced from each other, and oppositely arranged inverted-L inner notches (32).

No. of Pages : 28 No. of Claims : 12

(54) Title of the invention : PLUG-TYPE CONNECTION FOR TRANSMITTING ELECTRICAL ENERGY

(51) International classification :H01R13/625,H01R13/187,H01R13/639
 (31) Priority Document No :00946/10
 (32) Priority Date :11/06/2010
 (33) Name of priority country :Switzerland
 (86) International Application No :PCT/EP2011/059082
 Filing Date :01/06/2011
 (87) International Publication No :WO 2011/154303
 (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)LINDER, Andreas
2)BELTZER, Patrick

(57) Abstract :

A plug-type connection comprises a housing (1) on the female-connector side having a female-connector element (3) conducting the electrical current, a housing (2) on the male-connector side having a male-connector element (4) conducting the electrical current, and at least one contact element (5) for making electrical contact between the female-connector element (3) and the male-connector element (4). The female-connector element (3) and the male-connector element (4) extend substantially along a mid-axis (M). The housing (1) on the female-connector side and the housing (2) on the male-connector side and therefore the female-connector element (3) and the male-connector element (4) can be connected to one another via a plug-in movement (S), and electrical contact between the female-connector element (3) and the male-connector element (4) is produced in the connected state. The contact element (5) produces a first resistive force (F1) counter to the plug-in movement. The plug-type connection furthermore comprises an automatically self-locking locking element (6) for locking the plug-type connection, said locking element (6) producing a second resistive force (F2) counter to the plug-in movement (S). Guide elements (7) are provided between the housing (1) on the female-connector side and the housing (2) on the male-connector side, said guide elements being designed such that the application of a torque to at least one of the two housings (1, 2) results in an assisting force in the direction of the plug-in movement (S), with the result that at least part of the resistive forces (F1, F2) can be overcome by this resistive force.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3425/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONFECTIONERY COMPOSITION AND ARTICLE

(51) International classification :A23G4/08
(31) Priority Document No :61/350,561
(32) Priority Date :02/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038738
Filing Date :01/06/2011
(87) International Publication No :WO 2011/153223
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)BEAM, Matthew

7)ALDRIDGE, Allen

8)CHAO, Jianping

9)ADIVI, Krishna Mohan

(57) Abstract :

A dough-like confectionery material contains a solid particulate, a liquid, and a diffusion controller. The dough-like confectionery material is an effective replacement for panned coatings, and it can be applied to an edible substrate, such as candy or chewing gum to form a layered confection. Methods and apparatus for forming layered confections are also described.

No. of Pages : 87 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3452/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : A METHOD AND A SYSTEM FOR TREATING HAZARDOUS MATERIALS THAT HAVE BEEN GENERATED IN A FOUNDRY LINE

(51) International classification	:B22C5/10
(31) Priority Document No	:2010-167793
(32) Priority Date	:27/07/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/003836
Filing Date	:05/07/2011
(87) International Publication No	:WO 2012/014383
(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)SUZUKI, Masaki

2)AMANO, Hiroyuki

(57) Abstract :

A method and a system for treating hazardous materials by insolubilizing the hazardous materials, such as heavy metals and halogen, that are contained in collected dust are provided. Only a small facility must be added to a foundry line. The foundry line reuses molding sand by performing the steps of shaking out a casting (14), reclaiming the molding sand (11), and mulling the sand (10). The collected dust that has been generated in the foundry line is transported to the step of mulling the sand to mull the molding sand with the dust and an insolubilizing agent. Thus the hazardous materials are insolubilized. Since no facility for insolubilizing the hazardous materials is required, the cost for facilities can be reduced. Further, if the treated sand is reused for a raw material for cement or a roadbed, no hazardous materials elute.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3453/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GAS BURNER WITH MEANS FOR PREVENTING FLAME PROPAGATION

(51) International classification :F23D14/82,F23D14/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IT2010/000291
Filing Date :30/06/2010
(87) International Publication No :WO 2012/001715
(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)BETTINZOLI, Angelo

(57) Abstract :

Gas burner (1, 100) for domestic use, of the type comprising at least one Venturi effect mixer (14) in fluid connection with at least one combustion mixture distribution chamber (5, 8) and with at least one flame spreader (6, 9) associated with said distribution chamber (5, 8), in addition to first means for preventing flame propagation (15) of the fluid flow splitting type. Advantageously, the above-mentioned first preventing means (15) are arranged downstream of the Venturi effect mixer (14) and upstream of the combustion mixture distribution chamber (5,8), separating said Venturi effect mixer (14) from the distribution chamber (5,8).

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

(54) Title of the invention : PACKAGE FOR PHARMACEUTICAL PRODUCTS, IN PARTICULAR FOR PARENTERAL PRODUCTS

(51) International classification :B65D5/50,B65D5/54,B65D5/42	(71)Name of Applicant :
(31) Priority Document No :BO2010A000300	1)CONTEGO PACKAGING ITALY S.R.L.
(32) Priority Date :11/05/2010	Address of Applicant :Via Copernico, 54 I-29027 Podenzano
(33) Name of priority country :Italy	Italy
(86) International Application No:PCT/IB2011/052055	(72)Name of Inventor :
Filing Date :10/05/2011	1)FOLCHINI, Enrico
(87) International Publication No :WO 2011/141871	2)COTTIGNOLI, Tullio
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

A package for pharmaceutical products (2,5), in particular for parenteral products (prefilled syringes, flacons, ampoules, vials, bottles), comprises a supporting body (3) forming at least one compartment (4) for containing a parenteral product (2, 5) made from a single-sheet blank, preferably made of paper-based material, which has a base face (6), an upper face (7) and a plurality of lateral faces (8, 9) which are connected to the base face (6) and/or to the upper face (7), said upper face (7) having at least one opening (10) made in it and comprising at least one foldable portion (11) defined by cutting lines (17) of the upper face (7) and/or by crease lines (15) and delimiting a portion of the opening (10) to form a cavity (12) designed to receive the parenteral product (2), the supporting body (3) being able to switch between a non-operating condition in which it has a planar profile which minimises its dimensions, and an operating condition in which: the supporting body (3) is substantially box shaped; the foldable portion (11) is folded inside the supporting body (3) so that together with the opening (10) it forms the compartment (4) for containing the parenteral product (2) and allows the parenteral product (2) to be removably constrained in the cavity (12) in the containment compartment (4).

No. of Pages : 27 No. of Claims : 23

(54) Title of the invention : 2- AMINOPYRIDINE DERIVATIVES USEFUL AS INHIBITORS OF ATR KINASE

(51) International classification :C07D213/82,C07D413/04,C07D413/14
 (31) Priority Document No :61/333,854
 (32) Priority Date :12/05/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/036242
 Filing Date :12/05/2011
 (87) International Publication No :WO 2011/143422
 (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)DURRANT, Steven, John
3)KNEGTEL, Ronald, Marcellus Alphonsus
4)REAPER, Philip, Michael

(57) Abstract :

The present invention relates to pyridine compounds useful as inhibitors of ATR protein kinase. The invention also relates to pharmaceutically acceptable compositions comprising the compounds of this invention; methods of treating various diseases, disorders, and conditions using the compounds of this invention; processes for preparing the compounds of this invention; intermediates for the preparation of the compounds of this invention; and methods of using the compounds in in vitro applications, such as the study of kinases in biological and pathological phenomena; the study of intracellular signal transduction pathways mediated by such kinases; and the comparative evaluation of new kinase inhibitors. The compounds of this invention have formula (III): (Formula (III) wherein the variables are as defined herein.

No. of Pages : 86 No. of Claims : 46

(54) Title of the invention : ETCHING SOLUTION, AND METHOD FOR PROCESSING SURFACE OF SILICON SUBSTRATE

(51) International classification :H01L21/306,H01L21/308,H01L31/04
 (31) Priority Document No :2010-114615
 (32) Priority Date :18/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/061293
 Filing Date :17/05/2011
 (87) International Publication No :WO 2011/145604
 (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)ISHIKAWA, Makoto
3)SHIRAHAMA, Toshiki
4)OTSUBO, Hiroshi

(57) Abstract :

Disclosed is an etching solution which enables the formation of a silicon substrate having fine pyramid-like depressions and protrusions (a textured structure) in a steady manner without requiring the use of any conventional etching inhibitor such as isopropyl alcohol. Specifically disclosed is an etching solution in which a silicon substrate is to be immersed to form pyramid-like depressions and protrusions on the surface of the substrate, and which is characterized by comprising at least one component selected from compounds (A) each represented by general formula (1) and alkali salts thereof and an alkali hydroxide (B) at a concentration of 0.1 to 30 wt% inclusive. (In the formula, R represents one of an alkyl group, an alkenyl group and an alkynyl group each having 4 to 15 inclusive of carbon atoms; and X represents a sulfonic acid group.) By using the etching solution, it becomes possible to form a fine textured structure on the surface of a silicon substrate.

No. of Pages : 37 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3438/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BRAKE LINING FOR A PARTIALLY LINED DISC BRAKE

(51) International classification :F16D65/092
(31) Priority Document No :10 2010 019 765.3
(32) Priority Date :07/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057001
Filing Date :03/05/2011
(87) International Publication No :WO 2011/138301
(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)SIGL Christoph
2)NIESSNER Matthias**

(57) Abstract :

A brake lining for a partially lined disc brake in particular of a rail vehicle, with a plurality of lining elements (2) which are connected on a lining carrier (1) and of which each has a carrier plate (3) and friction elements (4) which are fastened to said carrier plate (3) and lie on the rear side in receptacles (6), wherein the carrier plate (3) is held on the lining carrier (1) such that it can be moved in a tilting manner, is configured in such a way that at least one depression (5) which increases the surface area of the carrier plate (3) is provided in the carrier plate (3), adjacent to the receptacles (6).

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

(54) Title of the invention : DEVICE FOR CONTROLLING AN ELECTRO-PNEUMATIC BRAKE DEVICE

(51) International classification :B60T17/00,B60T13/68,B60T17/22
 (31) Priority Document No :10 2010 019 810.2
 (32) Priority Date :06/05/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/057108
 Filing Date :04/05/2011
 (87) International Publication No :WO 2011/138358
 (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)HERGES Michael
2)MUSTAPHA Adnan
3)JUNQUEIRA DA FONSECA Braulio
4)CAEDDU Raoul

(57) Abstract :

The invention relates to a device for controlling an electro-pneumatic brake device having a brake control unit (6) and having a compressor which takes in atmospheric air, compresses it as compressed air and feeds it to a compressed air supply and regeneration device (1) with an air dryer (20), which compressed air supply and regeneration device (1) receives this compressed air and passes it on to at least one service brake circuit, wherein at least the following phases are provided: a) a load phase which is maintained until the pressure of the compressed air has reached an upper switch-off pressure, b) a regeneration phase for demisting the air dryer (20), c) a relief phase which is maintained until the pressure of the compressed air has dropped below a lower switch-on pressure, wherein control routines which are implemented in an electronic control unit (6) and have the purpose of controlling the load, regeneration and relief phases are provided by an electro-magnetic valve device (8, 10). The invention provides that the brake control unit (6) contains at least two microprocessors, and the control routines for controlling the load, regeneration and relief phases are implemented in the brake control unit (6).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3440/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CUTTING INSERT AND MILLING TOOL

(51) International classification	:B23C5/20
(31) Priority Document No	:206272
(32) Priority Date	:07/06/2010
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IL2011/000393
Filing Date	:18/05/2011
(87) International Publication No	:WO 2011/154932
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ISCAR LTD.,

Address of Applicant :P.O. Box 11, 24959 Tefen, Israel

(72)Name of Inventor :

1)HECHT, Gil

(57) Abstract :

A single- sided tangential cutting insert (10) has a peripheral side surface (16) with N identical major sides (18). The cutting insert (10) has 360°/N rotational symmetry about an insert axis (A) passing through top and bottom surfaces (12, 14) of the insert (10), where N is an integer greater than 2 and each major side (18) is located between and merges with an adjacent major side (18). A cutting edge (20) is formed at the intersection of a relief surface (22) and a rake surface (24, figure 2). The rake surface (24) is located in the peripheral side surface (16) and extends in an inward direction of the cutting insert (10) from its associated cutting edge (20) to a side surface (44) of the associated major side (18). At least a portion of the relief surface (22) is located in the top surface (12).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3307/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : OVER PRESSURE RELEASE VALVE

(51) International classification :B65D83/44

(31) Priority Document No :61/331,556

(32) Priority Date :05/05/2010

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

(86) International Application No :PCT/US2011/035386

Filing Date :05/05/2011

(87) International Publication No :WO 2011/140361

(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)CULL, David

2)SILLINCE, Mark

(57) Abstract :

An over-pressure relief valve for use with a container housing a pressurized medium. The valve includes a hollow housing within which there is first and second valves. The first valve is operable to inject and release the pressurized medium into the container. The said valve is normally closed and is continuously exposed to the pressurized medium and in response to the pressure thereof reaching a predetermined level opens to exhaust the pressurized medium to the atmosphere to relieve the excess pressure.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3465/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE CHARGING FACILITY INFORMATION ACQUISITION SYSTEM

(51) International classification :G06Q50/00
(31) Priority Document No :2010-093076
(32) Priority Date :14/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/IB2011/000822
Filing Date :13/04/2011
(87) International Publication No :WO 2011/128765
(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)SERA Manabu
2)KASHIWAGI Kuniaki

(57) Abstract :

A vehicle charging facility information acquisition system comprising an acquisition component and a charging record information storage component. The acquisition component is configured to acquire, from a plurality of vehicles, information pertaining to a vehicle charging facility as charging record information when the vehicles use the vehicle charging facility, with the information including at least vehicle charging facility position information. The charging record information storage component is configured to store the acquired charging record information in a charging record information database.

No. of Pages : 46 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3466/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : WINDSHIELD GLASS SUPPORT STRUCTURE

(51) International classification	:B62D25/08
(31) Priority Document No	:2010-092796
(32) Priority Date	:14/04/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/058964
Filing Date	:11/04/2011
(87) International Publication No	:WO 2011/129286
(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)KUROKI Yusuke

2)TAKIKAWA Kanako

(57) Abstract :

Disclosed is a windshield glass pane support structure provided with a windshield glass pane (1); a lower end support member (3) which extends in the vehicle width direction, and supports the lower end of the windshield glass pane (1); and a dynamic damper (7) which is provided at a location that constitutes a resonant vibration antinode, in the vehicle width direction of the lower end support member (3) in a state where both of the vehicle-widthwise ends of the windshield glass pane (1) constitute resonant vibration nodes. The dynamic damper (7) is an additional vibration system having an additional spring and an additional mass, whereas a main vibration system is such that the glass support stiffness based on the end support member (3) forms the basis of a main spring, and that the windshield glass pane (1) constitutes a main mass. Furthermore, a resonant vibration frequency of the dynamic damper (7) is set in a frequency band where the additional mass vibrates in a phase reverse to the vibration phase wherein the lower end of the windshield glass pane (1) vibrates in a vehicle longitudinal resonant vibration mode generated by a vibration excitation input.

No. of Pages : 38 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3467/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : POWER CONVERTING APPARATUS

(51) International classification	:H02M7/48
(31) Priority Document No	:2010-093149
(32) Priority Date	:14/04/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/002159
Filing Date	:12/04/2011
(87) International Publication No	:WO 2011/129099
(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)MIZUKOSHI Yukio
2)MINAGAWA Yusuke

(57) Abstract :

A power converting apparatus, includes: switching elements (S1 to S6) that are connected in parallel to a common bus bar and drive currents of different phases; and a motor controller (14) that controls the respective switching elements (S1 to S6). The motor controller (14) controls the respective switching elements (S1 to S6) in such a manner that a direction of a current fluctuation by an on/off operation of one switching element is opposite to a direction of a current fluctuation by an on/off operation of at least one of other switching elements.

No. of Pages : 52 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3468/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : OUTPUT CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE AND OUTPUT CONTROL METHOD FOR INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D29/02
(31) Priority Document No	:2010-092177
(32) Priority Date	:13/04/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/059085
Filing Date	:12/04/2011
(87) International Publication No	:WO 2011/129328
(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)IRIYAMA Masahiro

(57) Abstract :

Disclosed is a device for controlling the output of an internal-combustion engine that generates the driving force of a vehicle, the device including: a brake-demand detection sensor that detects whether or not a brake-demand operation has been made; and a controller programmed to limit the output of the internal-combustion engine when the brake-demand operation is started, to completely cancel the limitation on the output of the internal-combustion engine by taking a predetermined limitation-canceling time therefor when the brake-demand operation is terminated, and to shorten the limitation-canceling time if a predetermined condition is met.

No. of Pages : 34 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3448/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SHIP INHIBITORS AND USES THEREOF

(51) International classification :C07C401/00,A61K31/565,A61K31/575
(31) Priority Document No :61/322,378
(32) Priority Date :09/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031930
Filing Date :11/04/2011
(87) International Publication No :WO 2011/127465
(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)KERR, William G.
2)CHISHOLM, John D.

(57) Abstract :

The present invention relates to SHIP inhibitor compounds and methods for using these compounds. In particular, the present invention discloses the following methods: (i) a method of treating graft versus host disease in a subject; (ii) a method of inhibiting a SHIP1 protein in a cell; (iii) a method of selectively inhibiting a SHIP1 protein in a cell; (iv) a method for treating or preventing graft-versus-host disease (GVHD) in a recipient of an organ or tissue transplant; (v) a method of modulating SHIP activity in a cell expressing SHIP1 or SHIP2; (vi) a method of treatment of transplants; (vii) a method of inhibiting tumor growth and metastasis in a subject; (viii) a method of treating a hematologic malignancy in a subject; (ix) a method of inducing apoptosis of multiple myeloma cells; (x) a method of treating multiple myeloma in a subject; (xi) a method of inhibiting the proliferation of a human breast cancer cell; and (xii) a method of treating breast cancer in a subject.

No. of Pages : 56 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3449/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INHIBITORS OF PROTEIN TYROSINE KINASE ACTIVITY

(51) International classification :C07D495/04,A61K31/444,A61P27/02
(31) Priority Document No :61/324,803
(32) Priority Date :16/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000394
Filing Date :08/04/2011
(87) International Publication No :WO 2011/127567
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)ZHAN, Lijie
5)GAUDETTE, Frédéric
6)MANNION, Michael
7)SATO, Norifumi
8)YUKI, Yohei
9)KISHIDA, Masashi
10)VAISBURG, Arkadii

(57) Abstract :

Compounds that inhibit protein tyrosine kinase activity are disclosed, preferably of Formulae (II) and (III). In particular, said compounds 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 said compounds, compositions thereof and methods for treating cell proliferative diseases and conditions and ophthalmic diseases, disorders and conditions.

No. of Pages : 411 No. of Claims : 35

(54) Title of the invention : PROCESS AND SYSTEM FOR THE SEPARATION OF CARBOXYLIC ACIDS (SUCH AS TEREPHTHALIC ACID) FROM A SLURRY

(51) International classification :C07C51/43,C07C63/24,C07C63/26
(31) Priority Document No :1010856.1
(32) Priority Date :28/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051170
Filing Date :22/06/2011
(87) International Publication No :WO 2012/001389
(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)WINTER, Michael William
3)GNAGNETTI, Andrea

(57) Abstract :

A process for the separation of carboxylic acid from a slurry in a solvent is described comprising the steps of: supplying the slurry comprising crystals of carboxylic acid to a filter operating at pressure and at a temperature above the atmospheric boiling point of the solvent; mixing inert gas with solvent; supplying said inert gas and solvent mix to the filter; and removing a cake of separated crystals; wherein the inert gas removed from the filter is not recycled. Also described is a system for the separation of carboxylic acid crystals from a slurry in a solvent comprising: a pressure filter device having a slurry inlet, and an outlet for a cake of carboxylic acid crystals; means for mixing inert gas and solvent; means for supplying said inert gas and solvent mixture to the pressure filter; wherein said pressure filter device is configured to operate at pressure and at a temperature above the atmospheric boiling point of the solvent; and wherein said system does not include means for recycling the inert gas removed from the filter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3451/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TOPICAL PHARMACEUTICAL OR COSMETIC COMPOSITION USEFUL FOR THE TREATMENT OF DISEASES OR CONDITIONS THAT TRANSCUR THROUGH A DEFICIT OF MATURATION OF THE CORNIFIED ENVELOPE

(51) International classification :A61K8/34,A61K8/67,A61K8/97
(31) Priority Document No :10382147.6
(32) Priority Date :27/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058674
Filing Date :26/05/2011
(87) International Publication No:WO 2011/147933
(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)SERRA-BALDRICH, Noemí
2)GARCÍA BERTRAN, Silvia

(57) Abstract :

It comprises a combination of glycerin, niacinamide, and an extract of Fucus Serratus,to topical pharmaceutical or cosmetic compositions containing them, processes for their preparations, as well as their pharmaceutical use in the prophylaxis and/or treatment of disease or conditions that transcur through a deficit of maturation of the cornified envelope, and their cosmetical use as a skin care agent, skin barrier recovery agent, and moisturizer.

No. of Pages : 33 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3456/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BONE REPLACEMENT MATERIAL MIXING AND DELIVERY DEVICES AND METHODS OF USE

(51) International classification :A61M5/14,B01F3/00,A61M5/178
(31) Priority Document No :12/818,300
(32) Priority Date :18/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040642
Filing Date :16/06/2011
(87) International Publication No :WO 2011/159869
(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)MCKAY, William F.

(57) Abstract :

Bone cement mixing and delivery devices and methods of using the devices are provided. The bone cement mixing and delivery devices and methods comprise a container having a bottom opening that can be sealed by a spacer in a syringe where movement of the plunger of the syringe moves the spacer away from the bottom opening in the container to dispense bone cement into the syringe. In some embodiments the devices and methods increases efficiency and reduce the mess associated with transferring the bone cement to the syringe for delivery to a patient.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3457/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS AND SYSTEM FOR THE SEPARATION OF SOLID CARBOXYLIC ACID FINES

(51) International classification :B01D21/02,C07C51/47
(31) Priority Document No :1011008.8
(32) Priority Date :30/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051172
Filing Date :22/06/2011
(87) International Publication No :WO 2012/001390
(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)GRAY, Julian Stuart
2)WINTER, Michael William

(57) Abstract :

A process for the separation of solid carboxylic acid fines from mother liquor comprising said fines, wherein said process comprises the steps of: feeding the mother liquor containing fines to a settlement drum at above atmospheric pressure; and removing mother liquor having a lower concentration of carboxylic fines than that fed to the settlement drum; wherein said mother liquor removal occurs at a point above the point at which the mother liquor containing fines is fed to the settlement drum. Also described is a system for the separation of solid carboxylic acid fines from mother liquor, said system comprising: a settlement drum having an inlet for mother liquor comprising carboxylic acid fines and an outlet for mother liquor having a lower concentration of carboxylic acid fines content than that of the mother liquor introduced via the inlet; wherein said settlement drum is configured to operate at above atmospheric pressure and said outlet is located at a point in the settlement drum above said inlet.

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

(54) Title of the invention : GAS BURNER

(51) International classification :F23D14/82,F23D14/06,F23D14/64
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IT2010/000290
Filing Date :30/06/2010
(87) International Publication No :WO 2012/001714
(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)BETTINZOLI, Angelo

(57) Abstract :

Gas burner (100, 200, 300), preferably for domestic use, of the type comprising at least one fuel gas injector (9, 209, 309) and at least one corresponding Venturi effect mixer (10, 210, 310a, 310b), wherein the above-mentioned injector (9, 209, 309) faces the intake section of said Venturi effect mixer (10, 210, 310), and one or more passages (8, 208, 308) for the transit of primary air from above the supporting surface (7, 307), to which the burner (100, 200, 300) is fixed, to the intake section of the Venturi effect mixer (10, 210, 310a, 310b). The burner (100, 200, 300) is also provided with means for preventing flame propagation, of the fluid flow splitting type, which comprise at least one substantially tubular body (11, 211, 214, 311), with relative lateral walls extending at least between the injector (9, 209, 309) and the intake section of the Venturi effect mixer (10, 110, 110a, 110b), advantageously consisting of at least one helically wound filiform element.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3459/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ARTIFICIAL STONE AND METHOD FOR PRODUCING THE SAME

(51) International classification :C04B28/08,A01K61/00,C02F11/00
(31) Priority Document No :2010-128335
(32) Priority Date :03/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063089
Filing Date :01/06/2011
(87) International Publication No :WO 2011/152559
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)YABUTA Kazuya
4)HONDA Hideki
5)HAYASHI Masahiro
6)MATSUMOTO Takeshi
7)SUZUKI Misao

(57) Abstract :

Provided is artificial stone that is lighter than concrete and at least as strong as semi-hard stone, and uses a large quantity of mud such as dredged sediment as materials. A hydration-hardened body is obtained by hydration hardening a mixture of mixing materials that include mud, a binder, and powdered steelmaking slag, said body having a mass per unit volume of 2000 2200 kg/m³. Hence, a large amount of mud such as dredged material can be used advantageously. Furthermore, the resultant artificial stone is lighter than concrete and at least as strong as semi hard stone; therefore, the artificial stone is particularly useful in situations which require stone to be light, strong and durable.

No. of Pages : 36 No. of Claims : 7

(54) Title of the invention : DEVICE FOR TEMPERATURE REDUCTION

(51) International classification :A61F7/02,A41D13/005,F28D20/02
 (31) Priority Document No :10 2010 020 262.2
 (32) Priority Date :11/05/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/DE2011/001050
 Filing Date :10/05/2011
 (87) International Publication No :WO 2011/141019
 (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)RADSPIELER,Andreas
2)FIEBACK,Klaus
3)BÜTTNER,Dirk Carsten

(57) Abstract :

The invention discloses a device composed of PCM and of an actively cooling heat-exchanger system whose use in humans and animals reliably solves the previous problem of temperature build-up. The system can be configured in any strength, that is to say ranging from integration in flexible stockings to integration in orthosis stumps. This results in the extremely varied areas of application of the described technology, which range from PCMs in the form of modules in coolant channels or in the form of PCM containing compounds, from which hoses are produced in which coolant can flow, to PCMs with heat exchangers that remove the built-up heat of the body.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3472/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : OXYGEN AVAILABILITY-BASED IRRIGATION SYSTEM

(51) International classification :A01G25/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IL2010/000374
Filing Date :11/05/2010
(87) International Publication No :WO 2011/141901
(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)DANIELY,Nissim
2)REDLER,Yeshaiahu
3)ISRAELI,Eitan

(57) Abstract :

Irrigation systems (36) and methods are provided that are based on measurements of oxygen levels and availability to the root of the plant. The irrigation management system comprises at least one sensor (24) deducing data indicating the level of oxygen wherein the data collected from the sensors is used to determine irrigation amounts and timing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3473/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FORWARD ERROR CORRECTION MEDIA ACCESS CONTROL SYSTEM

(51) International classification :H04L1/16,H03M13/03,H04W88/08
(31) Priority Document No :12/770,630
(32) Priority Date :29/04/2010
(33) Name of priority country:U.S.A.
(86) International Application No:PCT/US2011/034128
Filing Date :27/04/2011
(87) International Publication No:WO 2011/139762
(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)MYERS,Theodore,J.
2)WERNER,Daniel,Thomas
3)SINSUAN,Kenneth,C.

(57) Abstract :

This disclosure relates to method, device and system for compensating for information not received in a communication system. An encoded signal is created from a source signal using a forward error correction technique. A first predetermined part of the encoded signal is transmitted. A second predetermined part of the encoded signal is transmitted. Transmission of the second predetermined part of the encoded signal is terminated after a determination of a successful decoding of the encoded signal is made.

No. of Pages : 108 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3474/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL PROCESS

(51) International classification :C08B37/00,C12P19/04
(31) Priority Document No :1008401.0
(32) Priority Date :20/05/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2011/058016
Filing Date :18/05/2011
(87) International Publication No :WO 2011/144645
(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)CHARLES,Philippe
2)GELDHOF,Geoffroy
3)MANCUSO,Vincent

(57) Abstract :

The present invention provides a method of lipopolysaccharide (LPS) extraction from gram negative bacterial cells comprising the step: extracting LPS from the cell culture in a composition (LPS extraction composition) comprising water, an alcohol and a further organic solvent.

No. of Pages : 23 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3475/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMPOUNDS USEFUL AS INHIBITORS OF ATR KINASE

(51) International classification :C07D413/14,A61K31/497,A61K31/444
(31) Priority Document No :61/333867
(32) Priority Date :12/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036246
Filing Date :12/05/2011
(87) International Publication No :WO 2011/143426
(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)HURLEY, Dennis, James
4)CLEVELAND, Thomas
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6)FANNING, Lev Tyler, Dewey
7)PINDER, Joanne
8)O'DONNELL, Michael
9)VIRANI, Anisa, Nizarali
10)KNEGTEL, Ronald, Marcellus Alphonsus
11)DURRANT, Steven, John
12)YOUNG, Stephen, Clinton
13)STORCK, Pierre-Henri
14)KAY, David
15)REAPER, Philip, Michael
16)GROTE, Matthew Paul

(57) Abstract :

The present invention relates to pyrazine and pyridine compounds useful as inhibitors of ATR protein kinase. The invention also relates to pharmaceutically acceptable compositions comprising the compounds of this invention; methods of treating various diseases, disorders, and conditions using the compounds of this invention; processes for preparing the compounds of this invention; intermediates for the preparation of the compounds of this invention; and methods of using the compounds in in vitro applications, such as the study of kinases in biological and pathological phenomena; the study of intracellular signal transduction pathways mediated by such kinases; and the comparative evaluation of new kinase inhibitors. The compounds of this invention have formula I wherein the variables are as defined herein.

No. of Pages : 140 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3476/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : HIGH CONCENTRATION ANTIBODY FORMULATIONS

(51) International classification :A61K39/395,A61K47/12,C07K16/22
(31) Priority Document No :61/334,986
(32) Priority Date :14/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036062
Filing Date :11/05/2011
(87) International Publication No :WO 2011/143307
(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)OSSLUND,Timothy,D.

(57) Abstract :

Discloses herein are high concentration antibody formulations comprising an anti-sclerostin immunoglobulin and an acetate salt and/or an acetate buffer and methods of use.

No. of Pages : 45 No. of Claims : 14

(54) Title of the invention : ELECTRICAL LOAD ISOLATING SWITCH FOR LOW VOLTAGE

(51) International classification	:H01H33/46	(71) Name of Applicant :
(31) Priority Document No	:20 2011	1)ABB AG
(32) Priority Date	109 576.6	Address of Applicant :KALLSTADTER STR. 1, 68309
(33) Name of priority country	:23/12/2011	MANNHEIM, GERMANY
(86) International Application No	:Germany	(72) Name of Inventor :
Filing Date	:NA	1)DIRK HAUCK
(87) International Publication No	: NA	2)RALF WEBER
(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 electrical load isolating switch (10) for low voltage, having a single contact point which comprises a fixed contact piece (70) formed on a contact carrier (106) and a moving contact piece (68) formed on a pivotable contact lever (62), having connecting terminals (100, 101), of which one (100) is connected to the moving contact piece (68) and the other (101) to the fixed contact piece (70), and having a switching lever (19) for actuating the contact lever (62). The load isolating switch (10) comprises a switching mechanism (123) with latching point, wherein the switching mechanism (123) can assume a latched and an unlatched state, wherein, in the latched state, it is set up to transmit the movement of the switching lever onto the contact lever (62), and wherein, in the unlatched state, it is designed to decouple the movement of the switching lever from the contact lever (62). A first moving conductor piece (102) which feeds the current to the contact point is attached to the contact lever (62) in the vicinity of the moving contact piece (68), and a second conductor piece (103, 103) which feeds the current away from the contact point is fixed to the contact carrier (106).

No. of Pages : 33 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.163/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SIGNAL TRANSMISSION METHOD, APPARATUS, AND BASE STATION

(51) International classification :H04W 16/24
(31) Priority Document No :201010233062.9
(32) Priority Date :19/07/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/074746
Filing Date :27/05/2011
(87) International Publication No :WO 2011/150764
(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)CAI, Rui
2)LI, Jiang
3)ZHANG, Jinlin

(57) Abstract :

The embodiments of the present invention provide a method, device and system for transmitting signals, and the method includes: sending downlink signals through N sectors; wherein the N sectors are created from M sectors for receiving uplink signals, and $N > M$. In the embodiments of the present invention, a base station creates N sectors by using M sectors for receiving uplink signals, and sends downlink signals through the N sectors, so that in the downlink, the focus will be placed on using multi-sector technology, and in the uplink, the focus will be placed on using multi-antenna technology, thus solving the existing contradiction between downlink and uplink when improving the system capacity, and increasing the system capacity of the wireless communication network.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3497/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESSES AND INTERMEDIATES

(51) International classification :C07D209/52,C07D209/54	(71)Name of Applicant :
(31) Priority Document No :61/351,054	1)VERTEX PHARMACEUTICALS INCORPORATED
(32) Priority Date :03/06/2010	Address of Applicant :130 Waverly Street, Cambridge,
(33) Name of priority country :U.S.A.	MASSACHUSETTS 02139, U.S.A.
(86) International Application No :PCT/US2011/039049	(72)Name of Inventor :
Filing Date :03/06/2011	1)TANOURY, Gerald, J.
(87) International Publication No :WO 2011/153423	
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

A process for preparing enantioselectively a compound of formula I-la or I-lb: over a compound of formulas 1-2-1-7.

No. of Pages : 56 No. of Claims : 77

(54) Title of the invention : METHOD FOR OPERATING A RESONANCE MEASURING SYSTEM

(51) International classification	:G01F1/74,G01F1/84	(71) Name of Applicant :
(31) Priority Document No	:10 2010 051 738.0	1)KROHNE Messtechnik GmbH
(32) Priority Date	:19/11/2010	Address of Applicant :Ludwig Krohne Strasse 5, 47058
(33) Name of priority country	:Germany	Duisburg, GERMANY
(86) International Application No	:PCT/EP2011/005815	(72) Name of Inventor :
Filing Date	:18/11/2011	1)KOLAH, Kourosh
(87) International Publication No	:WO 2012/113421	2)STORM, Ralf
(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 operating a resonance measuring system (1), in particular in the form of a Coriolis mass flow measuring device or in the form of a density measuring device, said resonance measuring system (1) having at least one measuring pipe (3) through which a medium (2) flows, at least one vibration generator (4), at least one vibration sensor (5a, 5b), and at least one control and analyzing unit (6). The measuring pipe (3) is excited into a vibration at a specified excitation frequency and a first amplitude by the vibration generator (4), and the resulting vibration of the measuring pipe (3) is detected via the at least one vibration sensor (5a, 5b). A multiphase flow is detected in a simple and reliable manner in that the control and analyzing unit (6) ascertains at least one first measured value (Xi) for at least one state variable (x) on the basis of the detected resulting vibration, said state variable being dependent on the amplitude when the medium (2) consists of multiple phases; the measuring pipe (3) is excited into a vibration at the excitation frequency and a second amplitude that is different from the first amplitude by the vibration generator (4); the resulting vibration of the measuring pipe (3) is detected; the control and analyzing unit (6) ascertains at least one second measured value (xj) for the state variable (x) on the basis of the detected resulting vibration said state variable being dependent on the amplitude when the medium (2) consists of multiple phases; and the measured value deviation (xij) of at least one of the first measured values (Xi) from at least one of the corresponding second measured values (xj) is used as an indicator for the presence of a multiphase flow.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3318/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SWITCHING DEVICE

(51) International classification	:H02J3/26
(31) Priority Document No	:10 2010 020 609.1
(32) Priority Date	:14/05/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/057405
Filing Date	:09/05/2011
(87) International Publication No	:WO 2011/141416
(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)NIELEBOCK Sebastian

(57) Abstract :

The invention specifies a phase changeover switch which selects that phase of a three-phase supply system which has the lowest loading for forwarding to a single-phase connection.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3319/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : STEAM GENERATOR

(51) International classification :A61B5/07,A61B1/00,A61B1/04
(31) Priority Document No :10 2010 020 614.8
(32) Priority Date :14/05/2010
(33) Name of priority country :Germany
(86) International Application No:PCT/EP2011/057300
Filing Date :06/05/2011
(87) International Publication No :WO 2011/141372
(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)NEUMANN Helmut
3)NEURATH Markus

(57) Abstract :

An endoscopy capsule (6) contains on one side of its housing (10), a sensor (12) for detecting a metabolic product of a bacterium located in or on the wall of a hollow organ (2) of the human or animal gastrointestinal tract, particularly in the stomach wall. The specific weight of the endoscopy capsule (6) is greater than the specific weight of a liquid (4) located in the hollow organ (2) and the mass centre of gravity (14) of the endoscopy capsule (6) is spaced apart from the volume centre of gravity (16) of the displaced liquid (4), wherein mass centre of gravity (14) and volume centre of gravity (16) define a straight connecting line (18) on which the sensor (10) is arranged on that side of the housing (10) adjacent to the mass centre of gravity (14). This ensures that the endoscopy capsule (6) is always in contact with the wall of the hollow organ (2) via the housing side on which the sensor (10) is arranged.

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

(54) Title of the invention : POLYETHYLENE POWDERS AND POROUS ARTICLES PRODUCED THEREFROM

(51) International classification :C08F110/02,C08J3/12,C08J9/24
 (31) Priority Document No :61/330,535
 (32) Priority Date :03/05/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/034947
 Filing Date :03/05/2011
 (87) International Publication No:WO 2011/140053
 (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 polyethylene powder has a molecular weight in the range of about 300,000 g/mol to about 2,000,000 g/mol as determined by ASTM-D 4020, an average particle size, D50, between about 300 and about 1500 μ m and a bulk density between about 0.25 and about 0.5 g/ml. On sintering, the polyethylene powder produces a porous article having a porosity of at least 45% and a pressure drop less than 5 mbar. The porous article is useful in, for example wastewater aeration and capillary and filtration applications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3321/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : WEAK ACID RECOVERY SYSTEM FOR ETHANOL SEPARATION PROCESSES

(51) International classification :C07C31/08,C07C29/149,C07C29/80
(31) Priority Document No :61/363,109
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042784
Filing Date :01/07/2011
(87) International Publication No :WO 2012/006236
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)WOLLRAB, Radmila
4)JOHNSTON, Victor J.
5)LEE, David
6)OROSCO, Adam
7)SARAGER, Lincoln

(57) Abstract :

Recovery of ethanol from a crude ethanol product obtained from the hydrogenation of acetic acid and recovery of unreacted acetic acid from a weak acid stream. The unreacted acetic acid may be recovered as a dry acetic acid composition and may be directly or indirectly fed to the hydrogenation reactor.

No. of Pages : 41 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3322/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LOW ENERGY ALCOHOL RECOVERY PROCESSES

(51) International classification :C07C29/149,C07C29/80,C07C31/08
(31) Priority Document No :61/363,089
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043126
Filing Date :07/07/2011
(87) International Publication No :WO 2012/006388
(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)LEE David
3)OROSCO Adam
4)SARAGER Lincoln
5)HALE Trinity
6)WOLLRAB Radmila

(57) Abstract :

Recovery of ethanol from a crude ethanol product obtained from the hydrogenation of acetic acid using various combinations of membranes and/or distillation columns.

No. of Pages : 56 No. of Claims : 13

(54) Title of the invention : EQUIPMENT FOR DISPLAYING INFORMATION CARRIERS, ESPECIALLY FOR ADVERTISING PURPOSES

(51) International classification	:A47F11/06
(31) Priority Document No	:P1000222
(32) Priority Date	:21/04/2010
(33) Name of priority country	:Hungary
(86) International Application No	:PCT/HU2011/000034
Filing Date	:19/04/2011
(87) International Publication No	:WO 2011/132005
(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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HUNGARY Hungary

(72)Name of Inventor :

1)GÓTZY, András

(57) Abstract :

The invention relates to equipment for displaying information carriers especially for advertising purposes, which equipment has a chamber (1; 20; 26; 30) for accommodating the information carrying device (11; 25; 27; 43; 56) and constructed in a way to make it possible to look into its internal space, in which chamber there is at least one transparent plate (8; 18; 37) transversal with respect to the direction of viewing, attached to the wall of the chamber, and the information carrying device is situated on this plate directly or via a supporting device attached to the transparent plate; and at least a part of the chamber wall contains strips (10a, 10b; 40) parallel to its strip (9; 39) contacting the transparent plate. The equipment is characterised by that the information carrying device (11; 25; 27, 43, 56) or/and its supporting device (38, 55) is formed by at least two objects (11a, 11b; 25a, 25b; 27a, 27b), which are situated on the two sides of the transparent plate (8; 18; 37, 50) opposite each other and the projections of which seen from the direction perpendicular to the transparent plate are identical or basically identical.

No. of Pages : 57 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3305/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD AND MOBILE STATION

(51) International classification :H04W24/10,H04W36/14,H04W72/04
(31) Priority Document No :2010-106003
(32) Priority Date :30/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/060361
Filing Date :28/04/2011
(87) International Publication No :WO 2011/136323
(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)UMESH, Anil

(57) Abstract :

A mobile communication system has: a step (A) in which if a mobile station (UE) links and manages MeasId ,MeasObject and ReportConfig and further determines that ReportConfig has been satisfied then the mobile station (UE) transmits, to a radio base station (eNB) a Measurement Report including a measurement result in MeasObject; and a step (B) in which if a change occurs in a combination of SCC and PCC, the mobile station (UE) determines, in accordance with the type of a CC designated by MeasObject, whether to release MeasId.

No. of Pages : 35 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3306/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : REACTION PRODUCTS AND METHODS FOR MAKING AND USING THE SAME

(51) International classification	:C05C9/00,C05C9/02	(71)Name of Applicant :
(31) Priority Document No	:61/329,680	1)KOCH AGRONOMIC SERVICES, LLC
(32) Priority Date	:30/04/2010	Address of Applicant :4111 E. 37th Street North, Wichita,
(33) Name of priority country	:U.S.A.	Kansas 67220 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2011/034669	(72)Name of Inventor :
Filing Date	:29/04/2011	1)GABRIELSON, Kurt D.
(87) International Publication No	:WO 2011/137393	2)EPLING, Mary L.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Reaction products and methods for making and using the same are provided. In at least one specific embodiment, the fertilizer can include a nitrogen source comprising urea, ammonia, ammonium nitrate, or any combination thereof and a reaction product of formaldehyde, an ammonia source, and a nitrification inhibitor.

No. of Pages : 47 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3485/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : 5, 7-SUBSTITUTED-IMIDAZO [1, 2-C] PYRIMIDINES AS INHIBITORS OF JAK KINASES

(51) International classification :C07D487/04,A61P29/00,A61P37/00
(31) Priority Document No :61/324,186
(32) Priority Date :14/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031896
Filing Date :11/04/2011
(87) International Publication No :WO 2011/130146
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)GRONEBERG, Robert, D.
4)HARVEY, Darren, M.
5)HUANG, Lily
6)KERCHER, Timothy
7)KRASER, Christopher, F.
8)LAIRD, Ellen
9)TARLTON, Eugene
10)ZHAO, Qian

(57) Abstract :

Compounds of Formula I: (Formula should be inserted here) and stereoisomers and pharmaceutically acceptable salts and solvates thereof in which R1, R2, R3, R4, R5, R6, R7, X1 and X2 have the meanings given in the specification, are inhibitors of one or more JAK kinases and are useful in the treatment of autoimmune diseases, inflammatory diseases, rejection of transplanted organs, tissues and cells, as well as hematologic disorders and malignancies and their co-morbidities.

No. of Pages : 212 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3487/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND ASSEMBLY FOR MANUFACTURING A GREEN TYRE

(51) International classification :B29D30/20

(31) Priority Document No :2004734

(32) Priority Date :18/05/2010

(33) Name of priority country :Netherlands

(86) International Application No :PCT/NL2011/050254

Filing Date :14/04/2011

(87) International Publication No :WO 2011/145926

(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)GRASHUIS, Jan, Kornelis

2)DE GRAAF, Martin

3)WEMERMAN, Fredrik, Jaap

(57) Abstract :

Method and assembly for manufacturing a green tyre using a building drum (1) and a transfer device (3). The method comprises a step of arranging and forming a first tyre component assembly for the green tyre on a building drum (1), a step of placing the transfer device (3) around the building drum, a removal step of the first tyre component assembly for the green tyre being removed from the building drum (1) by the transfer device (3). After the removal step second tyre components for the same green tyre are arranged on the building drum (1), followed by a step of placing the transfer device (3) around the building drum (1), and a step of placing the first tyre component assembly on the second tyre components.

No. of Pages : 25 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3488/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING APERIODIC SOUNDING REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04J11/00,H04B7/26,H04L1/00
(31) Priority Document No :61/334,959
(32) Priority Date :14/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/003593
Filing Date :16/05/2011
(87) International Publication No:WO 2011/142640
(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)NOH, Min Seok
2)KWON, Yeong, Hyeon
3)MOON, Sung, Ho
4)CHUNG, Jae Hoon

(57) Abstract :

A method and apparatus for transmitting an aperiodic sounding reference signal (SRS) in a wireless communication system is provided. The method include receiving a downlink control information (DCI) format including a triggering signal for triggering a transmission of an aperiodic SRS from a base station (BS) via a physical downlink control Channel (PDCCH), blind-decoding the PDCCH in a UE specific search space, and transmitting the aperiodic SRS triggered based on the triggering signal to the BS.

No. of Pages : 33 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3489/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : KEG APPARATUS FOR SELF COOLING AND SELF DISPENSING LIQUIDS

(51) International classification	:F25D3/08
(31) Priority Document No	:61/346,359
(32) Priority Date	:19/05/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/036933
Filing Date	:18/05/2011
(87) International Publication No	:WO 2011/146572
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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92653 UNITED STATES OF AMERICA
(72)**Name of Inventor :**
1)CULL, David
2)SILLINCE, Mark

(57) Abstract :

A self-cooling and self dispensing beverage container in the form of a keg which includes a heat exchange unit having a plurality of segments of compressed carbon disposed therein. A valve is secured to a tube attached to the HEU housing for carbon dioxide to adsorbed and then desorbed by the carbon for cooling the beverage. A dispense gas canister is disposed within the container to automatically release carbon dioxide to maintain a pressure head within the container sufficient to assure dispensing of the beverage.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3491/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SERVICE PROVIDING SYSTEM AND SERVICE PROVIDING METHOD

(51) International classification :G07F9/00,A23P1/00,B25J9/06	(71)Name of Applicant : 1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant :2-1, Kurosaki-Shiroishi Yahatanishi-ku Kitakyushu-shi Fukuoka 806-0004 JAPAN
(31) Priority Document No :2010-133981	
(32) Priority Date :11/06/2010	
(33) Name of priority country :Japan	
(86) International Application No :PCT/JP2011/063287	(72)Name of Inventor : 1)NAKAMOTO, Zenta 2)UMENO, Makoto 3)MATSUKUMA, Kenji
Filing Date :09/06/2011	
(87) International Publication No :WO 2011/155575	
(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 service providing system capable of providing a greater range of various products and services even if there is no attendant or the number of attendants is fewer than normal. A service providing system is provided with a robot unit, an interface for receiving input of order input information, and a control means which is connected to the robot unit and the interface and controls the robot unit to execute operations on the basis of the order input information input through the interface. In the service providing system, the input of the order input information is received by the interface a processing operation is executed by the robot unit on the basis of the order input information input through the interface, and a product subjected to the processing operation by the robot unit is provided.

No. of Pages : 67 No. of Claims : 17

(54) Title of the invention : INGREDIENT DELIVERY SYSTEM

(51) International classification :A23L1/00,A23L1/22,A61K9/127
 (31) Priority Document No :10167262.4
 (32) Priority Date :25/06/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/IB2011/052795
 Filing Date :24/06/2011
 (87) International Publication No :WO 2011/161658
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

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(57) Abstract :

A delivery system having a structure comprising surfactant aggregates, the delivery system comprises a) a surfactant system selected from the group consisting of nonionic, cationic, and zwitterionic surfactants, the surfactant being present in an amount equal to or greater than its critical micelle concentration, b) 10% or more by weight, based on the total weight of the delivery system, of a hydrophilic phase formed of water and/or a water-soluble solvent, c) from 0.0001 to 5% by weight, based on the total weight of the delivery system, of a compound having the structure Formula (1) or salts, and/or solvates thereof (compound 1) wherein at least a proportion of compound 1 is encapsulated within the surfactant aggregates.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3493/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : JOINT STRUCTURE AND HYDRAULIC SHOCK ABSORBER

(51) International classification :F16D1/02,B62K25/08,F16D1/06
(31) Priority Document No :2010-125687
(32) Priority Date :01/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/062253
Filing Date :27/05/2011
(87) International Publication No :WO 2011/152317
(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)MOCHIZUKI, Takahisa
2)AMANO, Yuuki

(57) Abstract :

Disclosed is a joining structure which transmits, by joining a rotationally-driven insertion shaft with a receiving shaft which has an insertion groove to which the insertion shaft is inserted, the rotation of the insertion shaft to the receiving shaft, wherein: the outer circumference of the insertion shaft is formed with multiple pairs of side surface sections such that the side sections facing each other form a pair; the insertion groove has an axial hole which is formed by opening to the edge surface of the receiving shaft and which matches the pair of first side sections of the multiple side sections, and a radial hole which is formed by penetrating the receiving shaft in the radial direction and which matches the pair of second side sections of the multiple side sections; and the axial hole and the radial hole are formed in a manner such that a portion of the axial hole and a portion of the radial hole intersect.

No. of Pages : 31 No. of Claims : 7

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

(51) International classification:C22C38/00,C21D9/46,C22C38/60

(31) Priority Document No :2010-109048

(32) Priority Date :11/05/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/061131

Filing Date :10/05/2011

(87) International Publication No :WO 2011/142473

(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)YAMASHITA Takako**2)SUGIHARA Reiko****3)NAGATAKI Yasunobu****4)IIZUKA Shunji****5)WATANABE Kyoji****6)MEGA Tetsuya**

(57) Abstract :

Disclosed is a cold-rolled steel sheet that is an IF steel sheet containing Ti and has superior deep drawing characteristics in which a uniform appearance and shape uniformity after pressing can be obtained without carrying out special processing and a method for producing the same. The IF steel sheet has Ti added. The steel sheet contains 0.02-0.1% Ti, 0.03% or less Sb, more than 0.005% and not more than 0.03% Cu, and Ti, such that $Ti = (Ti\%) - 3.4 \times (N\%) - 1.5 \times (S\%) - 4 \times (C\%)$, in a range that satisfies $0 < Ti \leq 0.02$. The steel sheet content is also in a range that satisfies $(Sb\%) = (Cu\%)/5$. Furthermore the elemental Ti content (mass%) contained in deposits sized less than 20 nm in a sheet thickness surface layer part from each of the surfaces on both sides of the steel sheet to 10 μm is 9% or less of the total Ti content (mass%) in the steel sheet.

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

(54) Title of the invention : MOBILE DEVICE HAVING A TOUCH-LOCK STATE AND METHOD FOR OPERATING THE MOBILE DEVICE

(51) International classification :G06F3/041,G06F3/048,G06F21/04
 (31) Priority Document No :10-2010-0049029
 (32) Priority Date :26/05/2010
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2011/003765
 Filing Date :23/05/2011
 (87) International Publication No :WO 2011/149231
 (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)KIM Tae Yeon
2)LEE Sung Sik
3)BOK Il Geun
4)SHIN Hyun Kyung

(57) Abstract :

A mobile device with a touch panel and a touch- lock operating method thereof. The mobile device preferably includes an RF communication unit for supporting communication services; a touch panel for sensing input touches; a display unit for displaying a screen where the screen includes at least one of a preset image, text, and map; and a controller for setting a touch-lock in the touch panel according to a preset condition. The controller also controls the display unit to display at least one of a text and image or at least one particular icon corresponding to the information reception event that occurs based on the RF communication unit in the touch lock state. A portion of the display screen can be locked or only certain predetermined touch functions permitted.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3510/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM AND PACKET CONTROL METHOD IN THE MOBILE COMMUNICATION SYSTEM

(51) International classification :H04J11/00,H04W80/02
(31) Priority Document No :10-2010-0054583
(32) Priority Date :09/06/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/004242
Filing Date :09/06/2011
(87) International Publication No :WO 2011/155784
(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)KIM, Sang Bum

2)KIM, Soeng Hun

(57) Abstract :

The present invention relates to a protocol structure and packet segmentation and NACK information feedback mechanism for efficient data transmission in a mobile communication in which a terminal receives data on the multiple carriers from multiple base stations. The present invention proposes a protocol structure appropriate for a mobile communication system supporting intereNB carrier aggregation and the terminal and base station operations for packet efficient segmentation and efficient NACK information feedback in association with the protocol structure.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3511/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PRESSURIZED O-RING POLE PIECE SEAL FOR A MANIFOLD

(51) International classification :F16K27/02,F16K31/06
(31) Priority Document No :61/347,734
(32) Priority Date :24/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037739
Filing Date :24/05/2011
(87) International Publication No :WO 2011/149935
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ONEIL, Brian, James
4)HILDEBRANDT, Mark, William
5)BAMBER, Daniel, W.

(57) Abstract :

An assembly (10) comprises a manifold (24) and a valve (12). The manifold (24) has a portion defining a bore (50) having a first end and a second end. The valve (12) is at least partially disposed within the manifold (24) and includes a coil (20) configured to generate a magnetic field; a bobbin (18) configured to house the coil (20); a pole piece (38) located near the bobbin (18); and a housing (22). The pole piece (38) includes a first end configured for insertion into the bore (50) of the manifold (24); a circumferentially extending groove (51) located near the first end of the pole piece (38); an o ring (52) disposed in the circumferentially extending groove (51); and a radially outwardly extending flange (54) located near the circumferentially extending groove (51) that is configured to engage both the portion of the manifold (24) defining the first end of the bore (50) and the bobbin (18). The housing (22) includes a tab (56) configured to fasten the valve (12) to the manifold (24).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3512/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ALTERNATING CURRENT ROTATING MACHINE CONTROL DEVICE

(51) International classification :H02P5/74
(31) Priority Document No :2011-031185
(32) Priority Date :16/02/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/051763
Filing Date :27/01/2012
(87) International Publication No :WO 2012/111406
(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)ITOIGAWA, Nobuo

(57) Abstract :

Provided is an alternating-current rotating machine controller, wherein coordinated driving of the alternating current rotating machine is enhanced by sharing pieces of information among multiple power converters and other auxiliary devices in order to allow the overall electric power conversion system to be optimized easily. The electric power conversion system has a distributed configuration comprising a high order controller (10), multiple power converters (11 13), auxiliary information instruments (sensor devices of various kinds such as a temperature sensor (14) and a pressure sensor (15)), and the like that constitute a master station. The high order controller (10) is connected to power converters (11, 12) by means of a first communication line (22). The power converters (11, 12) have 2 or more communication functions and are connected to the remaining power converter (13), the temperature sensor (14), and the pressure sensor (15) by means of a second communication line (23).

No. of Pages : 38 No. of Claims : 6

(54) Title of the invention : SYSTEM AND METHOD FOR SWITCHING MOBILE STATION IDENTIFICATION IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W8/20,H04W48/16
 (31) Priority Document No :1020100064277
 (32) Priority Date :05/07/2010
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2011/004901
 Filing Date :05/07/2011
 (87) International Publication No :WO 2012/005490
 (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)CHANG, Young-Bin
3)SON, Yeong-Moon

(57) Abstract :

A system and a method for switching mobile station identification information in a wireless communication system are provided. A method for transmitting mobile station identification information includes, when a base station receives a RaNGing (RNG)-REQuest (REQ) message from the mobile station, sending, at a base station, a RNG-ReSPonse (RSP) message including a temporary mobile station identifier to the mobile station, determining, at the mobile station, the temporary mobile station identifier in the RNG RSP signal, when base station receives REGistration(REG) REQ message including the temporary mobile station identifier from the mobile station, sending, at the base station a REG RSP message comprising a mobile station identifier of the mobile station to the mobile station, determining, at the mobile station, the mobile station identifier in the REG-RSP message and sending a response signal for the REG-RSP message to the base station, when receiving the response signal for the REG-RSP message deleting, at the base station, the temporary mobile station identifier of the mobile station and communicating, at the mobile station and the base station, using the mobile station, identifier.

No. of Pages : 45 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3506/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CLOSURE ACCOMMODATING POURING FROM AN INVERTED CONTAINER

(51) International classification :B67D3/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/US2010/036612
Filing Date :28/05/2010

(87) International Publication No :WO 2011/149476

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

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2)WISNIEWSKI, John, M.

3)VANDENBERG, David

(57) Abstract :

A closure (30) is provided for an opening (32) of a container (31) having a container interior (33) where a product may be stored. The closure (30) includes a base (34) having a deck wall (62) overlaying the opening (32), a pouring spout (64) extending along a longitudinal axis (66) from the deck wall (62) to a pouring lip (68) above the deck wall (62), a dispensing port (70) extending through the deck wall (62) and terminating at a location within the pouring spout (64) below the pouring lip (68) to direct product from the opening (32) to the pouring spout (64), and a vent port (74) spaced laterally from the dispensing port (70) and extending from a first orifice (76) in the deck wall (62) to a second orifice (78) located within the pouring spout (64) below the pouring lip (68).

No. of Pages : 46 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3508/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MULTI-REGION CONFECTIONERY

(51) International classification :A23G3/54,A23G3/36,A23G3/42
(31) Priority Document No :61/350,564
(32) Priority Date :02/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038747
Filing Date :01/06/2011
(87) International Publication No:WO 2011/153229
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)JANI, Bharat

5)KABSE, Kishor

6)BEAM, Matthew Allan

7)ALDRIDGE, Allen

8)CHAO, Jianping

9)TAKITA, Osamu

10)MITSUI, Yuzuru

11)SEGAWA, Hiroshi

12)ADIVI, Krishna Mohan

(57) Abstract :

A dough like confectionery material contains a solid particulate a liquid, and a diffusion controller. The dough like confectionery material is an effective replacement for panned coatings, and it can be applied to an edible substrate, such as candy or chewing gum to form a layered confection. Methods and apparatus for forming layered confections are also described.

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

(54) Title of the invention : METHOD FOR PREPARING RIPE PERSIMMON DIRECTLY ON A PERSIMMON TREE

(51) International classification	:A23L1/212,A01G13/04	(71)Name of Applicant :
(31) Priority Document No	:10-2010-0034552	1)BAEK, Jin Heum
(32) Priority Date	:15/04/2010	Address of Applicant :201ho 1189-1, Oe-dong, Gimhae-si
(33) Name of priority country	:Republic of Korea	Gyeongnam 621-919 REPUBLIC OF KOREA
(86) International Application No	:PCT/KR2011/002677	(72)Name of Inventor :
Filing Date	:14/04/2011	1)BAEK, Jin Heum
(87) International Publication No	:WO 2011/129638	
(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 for preparing ripe persimmon directly on a persimmon tree, comprising: a step (S1) of preparing a sealing cover; a step (S2) of embedding an ethylene generating agent for generating ethylene gas in the sealing cover; a step (S3) of allowing the persimmon hanging on the persimmon tree to be accommodated and sealed inside the sealing cover having the embedded ethylene generating agent; a step (S4) of final ripening the persimmon inside the sealing cover over a predetermined time period to produce ripe persimmon; and a step (S5) of removing the sealing cover and washing the ripe persimmon thereby preparing ripe persimmon having superior freshness and quality in a convenient and efficient manner.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3378/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD AND MOBILE STATION

(51) International classification	:H04W24/10,H04W72/12	(71)Name of Applicant :
(31) Priority Document No	:2010-106012	1)NTT DOCOMO,INC.
(32) Priority Date	:30/04/2010	Address of Applicant :11-1,Nagatacho 2-chome,Chiyoda-
(33) Name of priority country	:Japan	ku,Tokyo 1006150,JAPAN
(86) International Application No	:PCT/JP2011/060417	(72)Name of Inventor :
Filing Date	:28/04/2011	1)UMESH,Anil
(87) International Publication No	:WO 2011/136351	2)IWAMURA,Mikio
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosed mobile communication method involves: a process wherein a wireless base station (eNB) transmits to a mobile base station (UE) a radio resource control (RRC) connection reconfiguration that indicates the addition of a new downlink component carrier (DLCC); a process wherein, in response to the RRC connection reconfiguration, the mobile base station (UE) calculates the power headroom on the basis of path loss assumed from the new DLCC; and a process wherein the mobile station (UE) transmits to the wireless base station (eNB) a MAC control element that includes the power headroom.

No. of Pages : 21 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3379/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FIBER BLENDS FOR GARMENTS WITH HIGH THERMAL, ABRASION RESISTANCE, AND MOISTURE MANAGEMENT PROPERTIES

(51) International classification :D01G13/00,D02G3/02,D03D15/12
(31) Priority Document No :61/329,876
(32) Priority Date :30/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/034265
Filing Date :28/04/2011
(87) International Publication No :WO 2011/137213
(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)BAILEY James

3)CONE Leslie Gene

(57) Abstract :

Fiber blends useful for garments with a balance of high thermal abrasion resistance and moisture management properties are disclosed. The fiber blends comprise a hydrophobic fiber component a hydrophilic fiber component a structural fiber component and an optional antistatic fiber. Yarns fabrics and garments comprising the fiber blends are also disclosed. Such garments are particularly useful for occupations requiring high thermal properties and abrasion resistance such as fire fighters utility workers and military personnel without compromising comfort of the wearers by maintaining breathability and moisture management properties of the fabric.

No. of Pages : 37 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3554/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : RADIO BASE STATION AND MOBILE COMMUNICATION METHOD

(51) International classification :H04W72/04
(31) Priority Document No :2010111562
(32) Priority Date :13/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061067
Filing Date :13/05/2011
(87) International Publication No :WO 2011/142459
(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)NAKAMORI TAKESHI
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3)YAGYU KENGO
4)IWAMURA MIKIO

(57) Abstract :

A radio base station eNB according to the present invention includes a CA controller unit 12 configured to determine a PCC and SCCs to be used for CA communications, and a receiver unit 11 configured to receive Measurement Report from a mobile station UE having detected a cell having a higher radio quality in a certain SCC than a predetermined threshold for a period of TTT or longer, the Measurement Report containing the radio quality of the detected cell. If the cell having the highest radio quality in a measurement object CC is not under the control of the radio station eNB, the CA controller unit 12 avoids use of the cell having the highest radio quality for SCC communications in the CA communications.

No. of Pages : 33 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3555/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTROL VALVE DIAGNOSTICS

(51) International classification :G05B23/02,F16K37/00,G06F19/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/FI2010/050352
Filing Date :30/04/2010
(87) International Publication No :WO 2011/135155
(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)NOUSIAINEN, SAMI

(57) Abstract :

In a diagnosis method of a control valve, position data representing a position of a control valve, and pressure data representing a pressure difference over a valve actuator, and optionally travel direction of the control valve, is measured (41) during online operation of the control valve. The position data and the pressure difference data are processed (42) to contain data around starting points of a plurality of individual travel movements of the control valve during normal online operation of the control valve. Finally, a valve signature graph of the control valve is determined (44) based on the processed position and pressure difference data, collected at a plurality of points along the travel range of the control valve during online operation of the control valve.

No. of Pages : 25 No. of Claims : 15

(54) Title of the invention : A PROGRAMMABLE CYLINDER LOCK HAVING A DEVICE FOR PROTECTION OF THE CODIFICATION, AND THE KEYS FOR THE OPERATION THEREOF

(51) International classification	:E05B29/00
(31) Priority Document No	:TO 2010 A 000350
(32) Priority Date	:27/04/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2011/001949
Filing Date	:13/04/2011
(87) International Publication No	:WO 2011/134610
(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)LORETI ALBERTO

(57) Abstract :

A programmable cylinder lock comprising a stator (1) and a cylindrical rotor (2), mounted inside stator (1) for rotation around its own axis and having a keyhole for insertion of a key (3) and comprising inside rotor (1) a number of key followers (5) movable along the longitudinal and transversal directions, intended to cooperate with a key inserted into the keyhole of rotor (2), and locking pins (6) movable along the longitudinal direction, the key followers (5) and locking pins (6) forming together a number of pairs and having toothings intended to mutually cooperate in order to define the lock codification, rotor (2) including a stop bar (9) cooperating with a longitudinal groove (10) of stator (1) and susceptible of cooperating with the locking pins (6) in order to immobilize them, and comprising a change bar (1 1) which is slidingly coupled with the key followers (5) in order to normally keeping the key followers (5) engaged with the locking pins (6) and to disengage them from the locking pins (6) when said change bar (1 1) provides a lock programming position, characterized in that the key followers (5) have a projection (7) which engages a side surface of the key and at the contact of a normal use key (12), prevents the transversal displacement of the key follower (5) and the change bar (1 1), and therefore the disengagement of the key followers (5) from the locking pins (6), whereas said projection (7), at the contact of a special change key (14), allows the transversal displacement of the key follower (5) and the change bar (1 1), and therefore the disengagement of all key followers (5) from the locking pins (6) of the lock.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3385/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD EMPLOYING PRESSURE TRANSIENTS IN HYDROCARBON RECOVERY OPERATIONS

(51) International classification :E21B28/00,E21B43/00,E21B43/16
(31) Priority Document No :10166302.9
(32) Priority Date :17/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/059914
Filing Date :15/06/2011
(87) International Publication No :WO 2011/157740
(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)PAULSEN,Jim-Viktor

(57) Abstract :

The invention relates to methods to induce pressure transients in fluids for use in hydrocarbon recovery operations. The invention is further characterized by inducing the pressure transients in a fluid by a collision process. The collision process employs a moving object (103,203,303,403) that collides outside the fluid with a body (102,202,302,402) that is in contact with the fluid inside a partly enclosed space (101,201,301,401). Furthermore, the pressure transients must be allowed to propagate in the fluid. The fluid may be one or more of the following group: primarily water, consolidation fluid, treatment fluid, cleaning fluid, drilling fluid, fracturing fluid and cement.

No. of Pages : 35 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3386/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR REGENERATING A SPENT CATALYST

(51) International classification :B01J38/30
(31) Priority Document No :12/757,554
(32) Priority Date :09/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031579
Filing Date :07/04/2011
(87) International Publication No :WO 2011/127284
(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)NICCUM,Phillip,K.
2)CLAUDE,Alan,M.
3)PETERSON,Robert,B.

(57) Abstract :

Systems and methods for regenerating a spent catalyst are provided. The method can include heating a hydrocarbon and a coke precursor in the presence of catalyst particles to provide a cracked hydrocarbon product and coked catalyst particles. The cracked hydrocarbon product and the coked catalyst particles can be selectively separated to provide a hydrocarbon product and coked catalyst particles. The coked catalyst particles can be mixed with a carrier fluid to provide a mixture. The mixture can be introduced to an upper surface of a dense phase catalyst zone disposed within a regenerator. A gas can be introduced to a lower zone of the dense phase catalyst zone. At least a portion of the carbon deposited on the coked catalyst particles can be combusted to provide a flue gas heat and a regenerated catalyst.

No. of Pages : 74 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3387/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CUSTOMISED JIG FOR AN ORTHODONTIC APPLIANCE, AN ASSEMBLY FORMED BY SAID JIG, A BASE AND A BRACKET, AND METHODS FOR DESIGNING ONE SUCH JIG

(51) International classification	:A61C7/14
(31) Priority Document No	:1053777
(32) Priority Date	:17/05/2010
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2011/051099
Filing Date	:17/05/2011
(87) International Publication No	:WO 2011/144857
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

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2)AYACHE,William

3)SALAH,Philippe

(57) Abstract :

The invention relates to a customised jig for an orthodontic appliance, to an assembly formed by the jig, a base and a bracket, and to the associated design methods. The customised jig is used to install a bracket bearing base on a tooth, said base forming part of an orthodontic appliance. The invention is characterised in that: the jig is a cap that covers the tooth, covering the free edge thereof and at least portions of the front and rear surfaces of same; and the shape of the jig is such that it matches that of the base in at least one portion of at least one of the edges thereof. The invention also relates to an assembly formed by a customised base bearing a bracket and a customised jig of the type mentioned above, and to methods for designing one such jig.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.357/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : NANOFIBER NONWOVENS FINISHED WITH SUPERABSORBERS

(51) International classification	:D04H
(31) Priority Document No	:10 2005 036 992.8
(32) Priority Date	:05/08/2005
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2005/014017
Filing Date	:23/12/2005
(87) International Publication No	:WO/2007/016970
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:945/KOLNP/2008
Filed on	:03/03/2008

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(72)Name of Inventor :
1)RING, HORST
2)HARBIG, ROLAND

(57) Abstract :

The invention relates to a textile web finished with superabsorbent powder consisting of polymer particles which have a core swelling in the presence of water and a superficially postcured shell, in which the powder is a screening fraction of such polymer particles which have not been crushed after the superficial postcure of their shell. The textile web is made of super-fine fibers or filaments with a diameter of less than 10 µm. Preferably, the textile web is a nanofiber nonwoven finished with a superabsorbent which is used for the absorption and retention of hydrophilic fluids, and for the absorption and/or sustained release of at least one of the following fluids: body fluids, sweat of humans and animals, water, including cooling water, condensation water and water vapor, chemicals, including agrochemicals and pesticides, pharmaceuticals, biocides, germicides and fungicides, diagnostics, fire protection and fire extinguishing agents, cleaning agents, hydraulic fluids, heating and cooling fluids, sewage, including radioactively contaminated fluids, perfumes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3336/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : NANO-WIRES MADE OF NOVEL PRECURSORS AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification :C01B33/027,C01G17/00
(31) Priority Document No :10 2010 019 565.0
(32) Priority Date :05/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057253
Filing Date :05/05/2011
(87) International Publication No :WO 2011/138418
(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)BAUCH Christian
3)DELTSCHIEW Rumen
4)HOLL Sven
5)LIPPOLD Gerd
6)MOHSSENI Javad

(57) Abstract :

The invention relates to nano-wires which consist of or comprise semiconductor materials and are used for applications in photovoltaics and electronics and to a method for the production thereof. The nano-wires are characterized in that they are obtained by a novel method using novel precursors. The precursors represent compounds, or mixtures of compounds, each having at least one direct Si-Si and/or Ge-Si and/or Ge-Ge bond, the substituents of which consist of halogen and/or hydrogen, and in the composition of which the atomic ratio of substituent:metalloid atoms is at least 1:1.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3337/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : AIR-CONDITIONING CONTROL SYSTEM AND PROGRAM

(51) International classification :F24F11/02,H02J3/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/069100
Filing Date :27/10/2010
(87) International Publication No :WO 2012/056533
(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 peak operating rate of an air conditioner (19) is calculated (13) on the basis of the actual amount of power used an average operating rate of each time slot is calculated (14) from said peak operating rate while taking into account the outside air temperature an average surplus rate of each time slot is calculated (15) from (1 average operating rate) a control rate is calculated (16) with the upper limit of the average surplus rate set to a prescribed value, and energy-saving control (17) of the air conditioner (19) is performed only the amount of the control rate. By this means, the disclosed air conditioning control system (100) can accurately save energy with a simple calculation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3338/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR OPERATING A STEAM GENERATOR

(51) International classification	:F22B29/00
(31) Priority Document No	:102010028720.2
(32) Priority Date	:07/05/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/055401
Filing Date	:07/04/2011
(87) International Publication No	:WO 2011/138116
(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)BRODESSER Joachim
3)EFFERT, Martin

(57) Abstract :

The invention relates to a method for operating a steam generator (1) comprising a combustion chamber having a plurality of evaporator heating surfaces (2,4,8) which are connected in parallel on the flow medium side. The aim of the invention is to provide a steam generator which has a particularly long service life and which is particularly reliable. For this purpose, a flow medium is introduced into an inlet (12) of a first evaporator heating surface (4) at a temperature which is lower than the temperature of the flow medium introduced into the inlet (10) of a second evaporator heating surface (2).

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3339/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : ROTORS FOR ELECTRICAL MACHINES

(51) International classification	:F16F15/14
(31) Priority Document No	:10004954.3
(32) Priority Date	:11/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/002082
Filing Date	:26/04/2011
(87) International Publication No	:WO 2011/141126
(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)BRADLEY, Stuart, Ian

(57) Abstract :

The present invention relates a rotor assembly for an electrical machine (e.g. motor or generator) where a tuned vibration absorber (4,6,8) adapted to provide radial damping is mounted directly to the rotor shaft (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3547/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : PERFUMING COMPOSITIONS AND USES THEREOF

(51) International classification :A61K8/34,A61Q13/00
(31) Priority Document No :10165538.9
(32) Priority Date :10/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2011/052543
Filing Date :10/06/2011
(87) International Publication No :WO 2011/154926
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)FURRER, ANTON
6)BERTHIER, DAMIEN

(57) Abstract :

The present invention relates to the field of perfumery. More particularly, it provides a perfuming composition capable of prolonging the release of a perfuming component into the surrounding environment when applied on a body surface. The composition comprises isocetyl alcohol as a fragrance evaporation modulator in the presence of high amounts of ethanol. The invention also relates to consumer articles containing such compositions. It finally provides methods for the perfuming of a body surface and a method for increasing the long- lastingness of a perfuming component using these compositions.

No. of Pages : 41 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3548/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPROVED EAR FITTING

(51) International classification :H04R1/10,H04R25/00
(31) Priority Document No :12/781,416
(32) Priority Date :17/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036510
Filing Date :13/05/2011
(87) International Publication No :WO 2011/146344
(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)GIBBONS, WAYNE

(57) Abstract :

An improved open ear hearing aid fitting for insertion into an ear canal is provided. The fitting offers enhanced acoustic performance while maintaining user comfort. The fitting comprises a polymeric body having at least one acoustic source and at least one aperture extending there through and a peripheral portion shaped to conform to surface of the ear canal. A porous material covers at least one aperture of the body.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.34/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PRODUCING MATERIAL FOR SINTERING

(51) International classification :C22B1/16
(31) Priority Document No :2010-172842
(32) Priority Date :30/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/067722
Filing Date :27/07/2011
(87) International Publication No :WO 2012/015065
(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)OYAMA Nobuyuki
3)TAKEUCHI Naoyuki
4)NUSHIR Kouichi

(57) Abstract :

Provided is a method for producing a starting material for sintering, wherein it is possible to improve productivity compared to conventional methods by effectively using high-carbon dust during the process in which the surfaces of preliminary particles are being covered with a solid-fuel-based powder starting material. When the surfaces of the preliminary particles are being covered with a solid-fuel-based powder starting material, a solid-fuel-based powder starting material containing 5 to 40 mass% of high-carbon dust is used as the solid-fuel-based powder starting material.

No. of Pages : 49 No. of Claims : 12

(54) Title of the invention : ELECTRIC WORK VEHICLE

(51) International classification	:E02F9/08,E02F9/20	(71)Name of Applicant :
(31) Priority Document No	:2010-164991	1)HITACHI CONSTRUCTION MACHINERY CO., LTD.
(32) Priority Date	:22/07/2010	Address of Applicant :5-1 KORAKU 2-CHOME, BUNKYO-
(33) Name of priority country	:Japan	KU, TOKYO 112-8563 JAPAN
(86) International Application No	:PCT/JP2011/066588	(72)Name of Inventor :
Filing Date	:21/07/2011	1)OKUMURA SHINYA
(87) International Publication No	:WO 2012/011530	2)OJIMA MITSUGU
(61) Patent of Addition to Application	:NA	3)OTA YASUNORI
Number	:NA	4)ISHIDA TOSHIHIKO
Filing Date	:NA	5)HIROKI TAKENORI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

[Problem] Provided is an electric work vehicle in which the length of a high-tension cable connecting an electric motor included in a slewing motor with an inverter for controlling the electric motor can be set to be comparatively short. [Means for Resolution] The invention is configured in such a manner that a region on a main frame 1 is divided into three regions consisting of a center region S, a first side region L, and a second side region R, by means of a first vertical rib 1a and a second vertical rib 1b, a slewing hydraulic motor 8 and a slew assist electric motor 21, which constitute the slewing motor, are disposed in the center region S, and an inverter 22 for controlling the slew assist electric motor 21 is disposed in a position near the second vertical rib 1b in a second tool chamber 13 provided in the second side region R, i.e. the inverter 22 is disposed in a position close to the slew assist electric motor 21.

No. of Pages : 39 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3562/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : POLYAMIDE RESIN

(51) International classification	:C08G69/26
(31) Priority Document No	:2010-168287
(32) Priority Date	:27/07/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/066549
Filing Date	:21/07/2011
(87) International Publication No	:WO 2012/014772
(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)JUN MITADERA

2)MASASHI KUROKAWA

3)SHIGEYUKI HIROSE

4)NOBUHIKO MATSUMOTO

(57) Abstract :

Provided is a polyamide resin having excellent color tone and elastic modulus, excellent gas barrier properties and low water absorption. The polyamide resin comprises a diamine structural unit and a dicarboxylic acid structural unit, wherein 70 mol % or more of the diamine structural unit is derived from xylylenediamine (A-1) and/or bis(aminomethyl)cyclohexane (A-2) and 50 mol % or more of the dicarboxylic acid structural unit is derived from sebacic acid (B) , characterized in that it has a sulfur atom concentration of 1 to 200 ppm by mass.

No. of Pages : 40 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3563/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : INFLATABLE WOVEN TUBULAR BELT

(51) International classification	:B60R 21/18,B60R22/12	(71)Name of Applicant : 1)BERGER, JOHANNES ALEXANDER (HEIR OF THE DECEASED INVENTOR BERGER, JOHANN) Address of Applicant :VORDERBRENNBERG 6, 87452 ALTUSRIED, GERMANY
(31) Priority Document No	:10 2010 023 825.2	
(32) Priority Date	:15/06/2010	
(33) Name of priority country	:Germany	
(86) International Application No	:PCT/EP2011/003150	(72)Name of Inventor : 1)JOHANN BERGER (DECEASED)
Filing Date	:16/06/2011	
(87) International Publication No	:WO 2011/157455	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention proposes an inflatable woven tubular belt, with first warp threads in an upper woven layer and first warp threads in a lower woven layer, the belt being characterized in that the number of first warp threads (01) in the upper woven layer (0) is approximately 1.5 times to three times the number of first warp threads (U1) in the lower woven layer (U).

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3564/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : OBSTETRIC FORCEPS

(51) International classification	:A61B17/44
(31) Priority Document No	:1006570.4
(32) Priority Date	:20/04/2010
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2011/050790
Filing Date	:20/04/2011
(87) International Publication No	:WO 2011/131988
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)HULL & EAST YORKSHIRE NHS TRUST

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(72)Name of Inventor :

1)OBOH ALEX

2)FLOOD TIMOTHY

3)HALL RICHARD

4)THORNING PAUL

(57) Abstract :

A pair of obstetric forceps is described. The forceps comprise a pair of blades for holding the head of a baby and a handle having at least one part by which a user can apply a pulling force on the head of the baby in use. A mechanically operated force indicator is connected to the at least one part of the handle and is operable to provide a visual indication of the amount of pulling force being applied to the head of the baby when a user applies a pulling force on the head of the baby in use. A mechanically operated disabling device is operable to at least partially disable the obstetric forceps when a maximum pulling force has been exceeded. The blades can each have a superior rim and inferior rim wherein the greatest separation between the superior rims is greater than the greatest separation between the inferior rims when the obstetric forceps are in a closed configuration so that the blades adopt the form of an at least partially bowl shape.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3532/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DOOR CONTROLLER FOR VEHICLES AND METHOD FOR ACTUATING A CYLINDER OF A VEHICLE DOOR

(51) International classification	:E05F15/02
(31) Priority Document No	:10 2010 045 337.4
(32) Priority Date	:14/09/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/002853
Filing Date	:10/06/2011
(87) International Publication No	:WO 2012/034610
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)WABCO GMBH

Address of Applicant :AM LINDENER HAFEN 21, 30453

HANNOVER GERMANY

(72)Name of Inventor :

1)HELLBUSCH, INGO

2)STABENOW, UWE

(57) Abstract :

The invention relates to a door control system for vehicles, with a compressor (1), an air dryer (3), a door control valve (4) and at least one cylinder (2) which can be actuated by compressed air, and also relates to a method for actuating a cylinder (2) of a vehicle door, in which a piston (13) of the cylinder (2) can occupy a first functional position (O) and a second functional position (X). The air dryer (3), in drying mode, is exposed to throughflow of the air flowing into the cylinder (2) and in regeneration mode is exposed to throughflow by the air discharging from the cylinder (2). The cylinder (2) is pressurised only with compressed air from a compressed-air accumulator (7).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3533/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FEED SECTION OF A SEPARATION COLUMN

(51) International classification	:B01D 3/14, B01D 3/06	(71)Name of Applicant : 1)NESTE OIL OYJ Address of Applicant :KEILARANTA 21, FI-02150 ESPOO FINLAND
(31) Priority Document No	:10166662.6	
(32) Priority Date	:21/06/2010	
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/FI2011/050590	1)TAMMINEN ESA
Filing Date	:20/06/2011	2)JORTIKKA, SIMO
(87) International Publication No	:WO 2011/161315	3)RUSKOAHO, MARTTI
(61) Patent of Addition to Application Number	:NA	4)HAPPONEN, ULLA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a feed distribution device in separation columns and a method of operation. In particular it relates to distillation columns in which the feed stream is substantially liquid phase, or a mixture of gas and liquid upstream of the column but where the feed vaporizes or vaporizes more when it enters the column. More specifically, the feed distribution device contains a plurality of openings which allow the feed to vaporize inside the column and where the feed flow through the openings is maintained in critical condition during operation. Significant advantage is achieved through the implementation and use of the present feed distribution device.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3534/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPROVED METHODS FOR PREPARING SQUALENE

(51) International classification :C07C11/21,C07C7/04,A61K9/107
(31) Priority Document No :61/395,448
(32) Priority Date :12/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/001397
Filing Date :12/05/2011
(87) International Publication No :WO 2011/141819
(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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SWITZERLAND
(72)Name of Inventor :
1)HORA, MANINDER

(57) Abstract :

An improved method for preparing squalene from a squalene-containing composition, said method comprising the steps of (a) a purification distillation carried out at a temperature T1; (b) a denaturing distillation carried out at a temperature T2; wherein steps (a) and (b) may be performed in either order; T1 and T2 are sufficient to cause squalene to boil; T2 > T1; and T2 > 200°C.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3535/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MODIFIED NATURAL RUBBER, METHOD FOR PRODUCING SAME, RUBBER COMPOSITION, AND PNEUMATIC TIRE

(51) International classification :C08C1/04,B60C1/00,C08K3/06
(31) Priority Document No :2010-133094
(32) Priority Date :10/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063248
Filing Date :09/06/2011
(87) International Publication No :WO 2011/155561
(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)ICHIKAWA NAOYA

2)SAKAKI TOSHIAKI

3)TARACHIWIN LUCKSANAPORN

4)KANYAWARARAK KAMALIN

(57) Abstract :

Disclosed are a modified natural rubber having a reduced tan δ , a method for producing the modified natural rubber, a rubber composition comprising the modified natural rubber, and a pneumatic tire comprising the rubber composition. Further disclosed are a modified natural rubber having a reduced tan δ , a method for producing the modified natural rubber, a rubber composition comprising the modified natural rubber and achieving both fuel efficiency and abrasion resistance, and a pneumatic tire comprising the rubber composition. The modified natural rubber has a phosphorus content of 200 ppm or less and a total content of sodium and potassium of 350 ppm or less. Further, the modified natural rubber has a phosphorus content of 200 ppm or less and a nitrogen content of 0.2 mass% or less.

No. of Pages : 57 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3536/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHODS AND APPARATUS FOR SEPARATING PARTICULATES FROM A PARTICULATE-FLUID MIXTURE

(51) International classification	:B01D 21/26
(31) Priority Document No	:12/762,009
(32) Priority Date	:16/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/032310
Filing Date	:13/04/2011
(87) International Publication No	:WO 2011/130403
(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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HOUSTON, TX 77002 UNITED STATES OF AMERICA
(72)**Name of Inventor :**
1)NICCUM, PHILLIP, K.

(57) Abstract :

Methods and apparatus for separating particulates from a fluid are provided. The apparatus can include a separation section having at least one wall, a first end, a second end, and an inner metal surface exposed to an internal volume of the separation section. The apparatus can also include a fluid discharge outlet in fluid communication with the internal volume at the first end. The apparatus can also include a particulate discharge outlet in fluid communication with the internal volume at the second end. The apparatus can also include an inlet in fluid communication with the internal volume. The inlet can be disposed intermediate the first end and the second end.

No. of Pages : 57 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3079/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROTEIN AND NUCLEIC ACID DELIVERY VEHICLES, COMPONENTS AND MECHANISMS THEREOF

(51) International classification :C12N15/63,C12N7/01
(31) Priority Document No :61/322,334
(32) Priority Date :09/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/051533
Filing Date :08/04/2011
(87) International Publication No :WO 2011/125054
(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)RAO, Venigalla

(57) Abstract :

Complex viruses are assembled from simple protein subunits by sequential and irreversible assembly. During genome packaging in bacteriophages, a powerful molecular motor assembles at the special portal vertex of an empty prohead to initiate packaging. An aspect of the invention relates to the phage T4 packaging machine being highly promiscuous translocating DNA into finished phage heads as well as into proheads. Single motors can force exogenous DNA into phage heads at the same rate as into proheads and phage heads undergo repeated initiations, packaging multiple DNA molecules into the same head. This shows that the phage DNA packaging machine has unusual conformational plasticity, powering DNA into an apparently passive capsid receptacle, including the highly stable virus shell, until it is full. These features allow for the design of a novel class of nanocapsid delivery vehicles.

No. of Pages : 55 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3080/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HEAT EXCHANGE UNIT FOR SELF-COOLING CONTAINERS

(51) International classification	:F25D3/00
(31) Priority Document No	:61/327,516
(32) Priority Date	:23/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/032715
Filing Date	:15/04/2011
(87) International Publication No	:WO 2011/133428
(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)CULL, David
2)SILLINCE, Mark

(57) Abstract :

A heat exchange unit (HEU) for positioning internally of a container for housing a food or beverage, the HEU including a metal shell having an outer surface and a metal top section having a skirt, which fits over the outer surface of the metal shell and is permanently secured to said metal shell by an adhesive material compressed carbon particles are disposed within said metal shell and carbon dioxide gas is adsorbed by said carbon particles and upon activation of a valve secured to said top section desorbs to cool the food or beverage.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3081/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GAS TURBINES

(51) International classification :F01D15/10,F02C3/13,F02C7/268

(31) Priority Document No :1005416.1

(32) Priority Date :31/03/2010

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2011/050655

Filing Date :30/03/2011

(87) International Publication No :WO 2011/121355

(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)HEWARD, Phillip, Graham

2)BLADON, Christopher, George

3)BARRETT, Paul, Desmond

(57) Abstract :

A gas turbine engine arrangement comprising a first engine section (2), the first engine section (2) comprising a first compressor (4) and a first turbine (6) mounted on a first shaft (8), the gas turbine engine arrangement further comprising at least one further turbine (20) mounted on a second shaft (22) and arranged such that gases exiting the first engine section (2) are ducted to the further turbine (20), wherein said first and second shafts (8,22) are not mechanically coupled to one another and have respective axes which are offset from each other.

No. of Pages : 37 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3587/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MICROALGAE GROWTH POND DESIGN

(51) International classification :A01G7/00,C12M3/00,C12M1/00
(31) Priority Document No :12/784,338
(32) Priority Date :20/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/034812
Filing Date :02/05/2011
(87) International Publication No :WO 2011/146233
(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 :3550 GENERAL ATOMICS COURT,
SAN DIEGO, CA 92121-1194 UNITED STATES OF AMERICA
(72)Name of Inventor :
1)HAZLEBECK, DAVID, A.

(57) Abstract :

A raceway pond for circulating microalgae in a fluid medium includes a plurality of interconnected channels. Each channel is straight and has a structured gradient, due to tilt or terracing, that moves the fluid medium along the raceway. In operation the concentration of microalgae in the fluid medium is maintained substantially constant, and the depth of the fluid medium in the raceway is maintained below a pre determined level.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3588/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : STRIPPING COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME

(51) International classification :C09D9/00,C09D9/04,C11D3/30
(31) Priority Document No :61/346,726
(32) Priority Date :20/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2011/037333
Filing Date :20/05/2011
(87) International Publication No :WO 2011/146832
(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)SAVAGILO, CARMINE
2)LUDTKE, NATHAN, E.

(57) Abstract :

Provided are compositions suitable for stripping coatings from a surface. The compositions may include a solvent and an organic functional amine. The solvent may be benzyl alcohol. The compositions may further include at least one surfactant. The compositions may include at least two surfactants present in the composition at a ratio of about 1 :1 to each other. Also provided are methods of stripping a coating from a surface, the method including applying to the surface a composition according to the invention.

No. of Pages : 38 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3432/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POLYMORPHS OF 2'-O-FUCOSYLLACTOSE AND PRODUCING THEREOF

(51) International classification :C07H3/06,C07H1/06,A61K31/702
(31) Priority Document No :PA 2010 70233
(32) Priority Date :01/06/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/050192
Filing Date :01/06/2011
(87) International Publication No :WO 2011/150939
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DEKANY, Gyula

4)TRINKA, Péter

5)ÁGOSTON, Ágnes

6)KÁDÁR, Gábor

7)DEMK, Sándor

8)PÉREZ FIGUEROA, Ignacio

9)HEDEROS, Markus

10)HORVÁTH, Ferenc

11)SCHROVEN, Andreas

12)VRASIDAS, Ioannis

13)KOVÁCS-PÉNZES, Pirooska

14)RISINGER, Christian

15)KALMÁR, László

16)PIPA, Gergely

17)BOUTET, Julien

18)KRÖGER, Lars

19)RÖHRIG, Christoph

(57) Abstract :

The present invention relates to novel polymorphs of the trisaccharide 2-O- fucosyllactose (2-FL) of formula (1), methods for producing said polymorphs and their use in pharmaceutical or nutritional compositions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3433/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS AND SYSTEM FOR THE SEPARATION AND DRYING OF CARBOXYLIC ACID CRYSTALS

(51) International classification :C07C51/43,C07C51/47,C07C63/24
(31) Priority Document No :1008412.7
(32) Priority Date :20/05/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/050944
Filing Date :18/05/2011
(87) International Publication No :WO 2011/144935
(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 :10 Eastbourne Terrace, London W2 6LG U.K.
(72)Name of Inventor :
1)GRAY, Julian Stuart
2)WINTER, Michael William
3)GNAGNETTI, Andrea

(57) Abstract :

A process for the separation and drying of crude carboxylic acid crystals from a slurry in a solvent is described. The process comprises the steps of: supplying the slurry comprising crystals of carboxylic acid to a filter operating at pressure and at a temperature above the atmospheric boiling point of the solvent; removing a cake of separated crystals from said filter; and passing said cake to a thermal dryer. Also described is a system for the separation and drying of crude carboxylic acid from a slurry in a solvent comprising: a pressure filter device comprising a slurry inlet and an outlet for a cake of carboxylic acid crystals; and a thermal dryer and means for transporting the cake of carboxylic acid crystals from the pressure filter device to the dryer; wherein said pressure filter device is configured to operate at a pressure and temperature above the atmospheric boiling point of the solvent.

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

(54) Title of the invention : INSTRUMENTED ASSEMBLY AND ASSOCIATED LOCKING PLATE

(51) International classification :G01P3/44,G01P3/487,B61F15/26

(31) Priority Document No :1001872

(32) Priority Date :30/04/2010

(33) Name of priority country :France

(86) International Application No :PCT/FR2011/000195

Filing Date :31/03/2011

(87) International Publication No :WO 2011/135199

(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)BALLAS, GÉRard**2)LANDRAGIN, Gilles****3)POLLIER, Vivien**

(57) Abstract :

The invention relates to an instrumented assembly comprising an axle journal (1), an inner race (2) mounted on the axle journal, a journal cap (6) comprising a bottom provided with at least one open hole and a skirt provided with a distal end directly or indirectly axially pressed against the inner race (2), a magnetic encoder ring (12) arranged radially outside the skirt of the journal cap (6) and at least partially covering the skirt of the journal cap, and a locking plate (9) for locking in rotation at least one assembly screw (7) extending through the hole and attaching the journal cap (6) to the axle journal. According to the invention, the locking plate (9) comprises an at least partially non-magnetic skirt (11) that covers the encoder ring (12) in order to protect same. The invention also relates to a locking plate for forming part of such an assembly, and to an assembly comprising a locking plate and a journal cap.

No. of Pages : 23 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3596/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR PREPARATION OF HERBICIDAL SALTS

(51) International classification :C07C57/58,C07C63/08,C07C63/10
(31) Priority Document No :61/345,192
(32) Priority Date :17/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/AU2011/000550
Filing Date :11/05/2011
(87) International Publication No :WO 2011/143690
(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)KRAVETS, EDUARD

(57) Abstract :

A process for the preparation of solid amine salts of aromatic substituted carboxylic acid herbicides by reaction of the aromatic substituted carboxylic acid herbicide with an amine comprising reacting the aromatic substituted carboxylic acid herbicide in an ether solvent with an amine to form the amine salt and collecting the amine salt of the aromatic substituted carboxylic acid herbicide as a precipitate from the ether solvent reaction mixture wherein the ether is a dialiphatic ether comprising at least one primary aliphatic group.

No. of Pages : 16 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3597/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ULTRASONIC SENSOR FOR VALUABLE DOCUMENTS,TRANSDUCER MODULE FOR SAID ULTRASONIC SENSOR,AND METHOD FOR PRODUCING THE ULTRASONIC SENSOR

(51) International classification	:G10K11/00
(31) Priority Document No	:10 2010 026 341.9
(32) Priority Date	:07/07/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/003352
Filing Date	:06/07/2011
(87) International Publication No	:WO 2012/003974
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GIESECKE & DEVRIENT GMBH
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(72)**Name of Inventor :**
1)LOHNER JOSEPH
2)MOOSLER HANS UWE
3)RAUSCH ERNST
4)BERNGEHIER WALTER

(57) Abstract :

Described is an ultrasonic transducer module for an ultrasonic sensor for detection and/or examination of value documents which comprises at least one piezoelectric ultrasonic transducer with electrical connecting strands, and a mounting module for holding the at least one ultrasonic transducer for mounting on a connection support, wherein the mounting module has conducting paths which are electrically connected to the connecting strands of the at least one ultrasonic transducer and which have contact areas which are so configured that the ultrasonic transducer module is placeable for mounting onto a surface of the connection support on which there are located contact areas complementary to said contact areas, and the contact areas and the complementary contact areas are solderable to each other.

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3237/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTAINER WITH SIDE WALLS FOLDABLE ON TOP OF ONE ANOTHER

(51) International classification	:B65D6/00
(31) Priority Document No	:12/768,246
(32) Priority Date	:27/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/000539
Filing Date	:04/02/2011
(87) International Publication No	:WO 2011/134557
(61) 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
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GERMANY
(72)**Name of Inventor :**
1)KELLERER, Richard
2)BARTH, Chrisitan

(57) Abstract :

The invention relates to a container for transporting and storing goods, comprising a container bottom (2) and at least two sides walls (4) that can be folded over one another wherein the side walls (4) that can be folded over one another are each supported in an articulated manner in a hinge pin receptacle (5) by at least one hinge pin (6), wherein the hinge pin receptacle (5) has an recess (7) that extends in an elongated manner in a direction perpendicular to the container bottom (2) and wherein the folded side wall (4) can be moved from a lower end position, in which the folded side wall (4) lies on the container bottom (2) to an upper end position, which is offset upward from the lower end position in a direction perpendicular to the container bottom (2). When the side wall (4) is folded open from the lower end position, in other words when the hinge pin (6) is rotated in the hinge bolt receptacle (5) the hinge pin (6) experiences a guided translational motion so that the side wall (1) is moved upward in a direction perpendicular to the container bottom (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3579/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : STRUCTURAL MEMBER FORMED FROM A SOLID LINEAL PROFILE

(51) International classification :B29C70/52

(31) Priority Document No :61/353,885

(32) Priority Date :11/06/2010

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

(86) International Application No :PCT/US2011/039953

Filing Date :10/06/2011

(87) International Publication No :WO 2011/156693

(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)SHERRI M. NELSON

2)DAVID W. EASTEP

3)TIMOTHY A. REGAN

4)MICHAEL L. WESLEY

5)RICHARD STIEHM

(57) Abstract :

A structural member that contains a solid lineal profile (516 600 700) that is formed from a plurality of consolidated ribbons (12). Each of the ribbons includes unidirectionally aligned continuous fibers embedded within a thermoplastic polymer matrix. The continuous fiber ribbons (12) are laminated together during pultrusion to form an integral solid profile (516 600 700) having very high tensile strength properties.

No. of Pages : 34 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3580/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : REINFORCED HOLLOW PROFILES

(51) International classification	:B29C70/08,B29C70/52	(71)Name of Applicant :
(31) Priority Document No	:61/357294	1)TICONA LLC
(32) Priority Date	:22/06/2010	Address of Applicant :8040 DIXIE HIGHWAY FLORENCE
(33) Name of priority country	:U.S.A.	KENTUCKY 41042 U.S.A.
(86) International Application No	:PCT/US2011/041445	(72)Name of Inventor :
Filing Date	:22/06/2011	1)SHERRI M.NELSON
(87) International Publication No	:WO 2011/163357	2)DAVID W.EASTEP
(61) Patent of Addition to Application Number	:NA	3)TIMOTHY A.REGAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A hollow lineal profile (16) formed from a continuous fiber reinforced ribbon (CFRT) that contains a plurality of continuous fibers embedded within a first thermoplastic polymer matrix (6). To enhance the tensile strength of the profile the continuous fibers are aligned within the ribbon in a substantially longitudinal direction (e.g. the direction of pultrusion). In addition to continuous fibers the hollow profile of the present invention also contains a plurality of long fibers that may be optionally embedded within a second thermoplastic matrix to form a long fiber reinforced thermoplastic (LFRT) (4). The long fibers may be incorporated into the continuous fiber ribbon or formed as a separate layer of the profile. Regardless at least a portion of the long fibers are oriented at an angle (e.g. 90°) to the longitudinal direction to provide increased transverse strength to the profile.

No. of Pages : 47 No. of Claims : 31

(54) Title of the invention : POLYAMIDE RESIN COMPOSITION

(51) International classification:C08L77/06,C08G69/26,C08K5/29

(31) Priority Document No :2010-155405

(32) Priority Date :08/07/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/065260

Filing Date :04/07/2011

(87) International Publication No :WO 2012/005204

(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)JUN MITADERA**2)MASASHI KUROKAWA****3)TAKAHIRO TAKANO**

(57) Abstract :

Provided is a polyamide resin material having high elastic modulus, good gas barrier properties, low water absorption and excellent flexibility. [Means for solving the problems] This is a polyamide resin composition comprising a polyamide resin (A) composed of a diamine structural unit and a dicarboxylic acid structural unit wherein 70 mol % or more of the diamine structural unit is derived from xylylenediamine and 50 mol % or more of the dicarboxylic acid structural unit is derived from sebacic acid, and 1 to 40 parts by mass of at least one copolyamide (B) selected from the following group consisting of (B-1)-(B-3) per 100 parts by mass of the polyamide resin (A); (B-1): a copolyamide 6/66/12; (B-2): a copolyamide 6/66/11; (B-3): a polyether-polyamide copolymer composed of a polyamide 12 unit or a polyamide 11 unit and a polyether unit.

No. of Pages : 41 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3572/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DAMPER

(51) International classification :F16F9/12,F16J15/18
(31) Priority Document No :2010-115262
(32) Priority Date :19/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061229
Filing Date :16/05/2011
(87) International Publication No :WO 2011/145576
(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)HAYATO ODA

2)YOSHIHISA TAKEI

(57) Abstract :

A silicone oil (18) is filled inside a housing (12) of a rotation damper (10), and a rotor brake plate (24) provided to be connected to a lower end portion of a rotating shaft (22) of a rotor (20) is rotatably housed inside the housing (12). Also, an O-ring (30) is disposed between the housing (12) and the rotating shaft (22) to prevent the silicone oil (18) from leaking outside of the housing (12). The O-ring (30) is formed by a silicone rubber having a hardness of 25 degrees or above and 45 degrees or less according to the Durometer Hardness Testing (type A) of JIS K 6253.

No. of Pages : 36 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3573/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CATALYST COMPONENT

(51) International classification :C08F10/00,C08F4/651
(31) Priority Document No :10169328.1
(32) Priority Date :13/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061770
Filing Date :11/07/2011
(87) International Publication No :WO 2012/007430
(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)HAIKARAINEN ANSSI

2)DENIFL PETER

3)LEINONEN TIMO

(57) Abstract :

The invention refers to a process for preparing a Group 2 metal/transition metal olefin polymerisation catalyst component in particulate form free of conventional phthalate electron donors and the use thereof in a process for polymerising olefins.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3574/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR PRODUCING HIGH MOLECULAR WEIGHT POLYETHYLENE

(51) International classification :C08F110/02

(31) Priority Document No :61/361660

(32) Priority Date :06/07/2010

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

(86) International Application No :PCT/IB2011/002250

Filing Date :01/07/2011

(87) International Publication No :WO 2012/004675

(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)ROBERT DOMINIQUE

2)HUFEN JULIA

3)LÜDTKE KERSTIN

4)EHLERS JENS

(57) Abstract :

6In a process for producing polyethylene having a molecular weight of at least 1 x 10 g/mol as determined by ASTM 4020 ethylene is contacted under polymerization conditions with a slurry of a catalyst composition comprising a particulate support having an average particle size d50 of less than 58 microns and a Group 4 metal complex of a phenolate ether ligand carried by the support.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3575/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SHAPED HIGH MOLECULAR WEIGHT POLYETHYLENE ARTICLES, THEIR PRODUCTION AND USE

(51) International classification	:C08F110/02
(31) Priority Document No	:61/361,720
(32) Priority Date	:06/07/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2011/002284
Filing Date	:06/07/2011
(87) International Publication No	:WO 2012/004681
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TICONA GMBH

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(72)Name of Inventor :

1)ROBERT, DOMINIQUE

2)HUFEN, JULIA

3)LUDTKE, KERSTIN

4)MEERMANN, CHRISTIAN

5)EHLERS, JENS

(57) Abstract :

A shaped article suitable for in a prosthetic device is formed of polyethylene having a molecular weight of at least 3×10^5 g/mol as determined by ASTM 4020 and has a yield strength greater than 20 as determined by DIN EN ISO 527. The polyethylene is produced by polymerizing ethylene in the presence of a catalyst composition comprising a Group 4 metal complex of a phenolate ether ligand.

No. of Pages : 49 No. of Claims : 20

(54) Title of the invention : COLD ROLLED STEEL SHEET HAVING EXCELLENT SHAPE FIXABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification:C22C38/00,C21D9/46,C22C38/06

(31) Priority Document No :2010-142249

(32) Priority Date :23/06/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/063626

Filing Date :08/06/2011

(87) International Publication No :WO 2011/162135

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional 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)TARO KIZU

2)EIKO YASUHARA

3)KOICHIRO FUJITA

4)SHIGEHIRO TAKAJO

5)KAZUHIRO HANAZAWA

(57) Abstract :

A steel sheet having a low proportional limit and a method for manufacturing the steel sheet are provided. A cold-rolled sheet having a composition of C: 0.10% or less, Si: 0.05% or less, Mn: 0.1% to 1.0%, P: 0.05% or less, S: 0.02% or less, Al: 0.02% to 0.10%, and N: less than 0.005%, based on mass percent, a remainder of Fe, and incidental impurities is subjected to an annealing treatment of heating the cold-rolled sheet at an annealing temperature in the range of 730°C to 850°C for 30 s or more and then cooling the cold-rolled sheet to a temperature of 600°C or less at an average cooling rate of 5°C/s or more, forming a cold- rolled and annealed sheet having a structure mainly composed of a ferrite phase having an average grain size d in the range of 5 to 30 μm. The cold-rolled and annealed sheet is subjected to skin pass rolling using a reduction roll having a surface roughness Ra of 2.0 μm or less at a skin pass rolling elongation percentage R (%) in the range of (0.05 to 0.20) d (%), wherein d denotes the average grain size (μm) of the cold-rolled and annealed sheet. This produces a cold-rolled steel sheet having a proportional limit of 150 MPa or less. A hot-dipped galvanized layer, a galvanized layer, or an electrogalvanized layer may be formed on the surface.

No. of Pages : 40 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3565/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : THERMOPLASTIC PREPREG CONTAINING CONTINUOUS AND LONG FIBERS

(51) International classification :B29C70/08

(31) Priority Document No :61/357,301

(32) Priority Date :22/06/2010

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

(86) International Application No :PCT/US2011/041454

Filing Date :22/06/2011

(87) International Publication No :WO 2011/163365

(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)JEREMY J. MALISZEWSKI

2)AARON H. JOHNSON

3)TIMOTHY L. TIBOR

(57) Abstract :

A prepreg that contains a plurality of unidirectionally aligned continuous fibers (142) embedded within a thermoplastic matrix (127) is provided. In addition to continuous fibers, the prepreg also contains a plurality of long fibers so that they are randomly distributed within the thermoplastic matrix. As a result, at least a portion of the long fibers become oriented at an angle relative to the direction of the continuous fibers. The long fibers can substantially increase the mechanical properties of the prepreg in the transverse direction.

No. of Pages : 37 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3566/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : TRANSPORT-STREAM PROVIDER, DAB SIGNAL PROVIDER, TRANSPORT STREAM ANALYZER, DAB RECEIVER, METHOD, COMPUTER PROGRAM, AND TRANSPORT STREAM SIGNAL

(51) International classification :H04H60/15
(31) Priority Document No :10 2010 029 114.5
(32) Priority Date :19/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057975
Filing Date :17/05/2011
(87) International Publication No :WO 2011/144615
(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)BIRGIT BARTEL-KURZ
2)STEFAN DÖEHLA
3)MARKUS PROSCH

(57) Abstract :

A transport stream provider for providing a plurality of transport stream packets describing digital media information is configured to provide a transport stream packet of a first packet type comprising a program association table and key information for decrypting encrypted media information. The program association table contains an association between a program No. and a packet type identifier of a further transport stream packet of a second packet type. The transport stream provider is configured to provide a transport stream packet of the second packet type in such a manner that the transport stream packet of the second packet type contains a reference to packet type identifiers of transport stream payload data packets which describe contents of different content types of the digital media information.

No. of Pages : 70 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3567/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : EXERCISE CYCLE WITH PLANETARY GEAR SYSTEM AND ROLLING RECOILED LATERAL MOTION SYSTEM

(51) International classification	:F16H57/08
(31) Priority Document No	:61/334,396
(32) Priority Date	:13/05/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/036264
Filing Date	:12/05/2011
(87) International Publication No	:WO 2011/143439
(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)VUJICIC MARKO

2)CHILES MARK

3)WALLACE GREG

(57) Abstract :

A planetary gear system in an exercise machine featuring a flywheel; an axle shaft positioned through the center of the flywheel, a sun gear disposed on the axle shaft and fixedly attached to the flywheel, a housing disposed on the axle shaft, a planet carrier fixedly attached to the axle shaft and disposed in the housing, and a ring gear fixedly attached in the housing, One or more planet gear wheels are rotatably attached to the planet carrier. The planet gear wheels can rotate independently of the planet carrier. Rotation of the axle shaft in a first direction rotates the planet carrier in the first direction, thereby causing the planet gear wheel to rotate in a second direction within the ring gear. Rotation of the planet gear wheel in the second direction causes the sun gear and the flywheel to together rotate in the first direction.

No. of Pages : 43 No. of Claims : 56

(54) Title of the invention : PROCESS FOR PURIFYING ACETIC ACID STREAMS BY REMOVING PERMANGANATE REDUCING COMPOUNDS

(51) International classification :C07C51/44,C07C51/48,C07C53/08
(31) Priority Document No :61/345,833
(32) Priority Date :18/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036765
Filing Date :17/05/2011
(87) International Publication No :WO 2011/146446
(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)RONALD D. SHAVER
2)MARK O. SCATES
3)RAYMOND J. ZINOBLE

(57) Abstract :

Processes for the reduction and/or removal of permanganate reducing compounds (PRCS) formed by the carbonylation of methanol in the presence of a Group VIII metal carbonylation catalyst to produce acetic acid are disclosed. More specifically, processes for reducing and/or removing PRC s or their precursors from intermediate streams during the formation of acetic acid by said carbonylation processes are disclosed. In particular, processes in which a low boiling overhead vapor stream from a light ends column is subjected to a distillation to obtain an overhead that is subjected to an extraction to selectively remove and/or reduce PRC s from the process is disclosed. The processes include steps of recycling one or more return streams derived from the distillation step and/or the extraction step to a light ends column and/or a drying column in order to improve water control in the overall reaction system.

No. of Pages : 37 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3549/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : BAG MAKING MACHINE

(51) International classification :B31B1/14,B26D1/02
(31) Priority Document No :2010-119541
(32) Priority Date :25/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061871
Filing Date :24/05/2011
(87) International Publication No :WO 2011/148942
(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)TOTANI, MIKIO

(57) Abstract :

In a bag making machine for cutting plastic film with a Thomson blade (3), and manufacturing plastic bags, plastic film (1) can be cut with a Thomson blade (3) even if the Thomson blade (3) is not pressed against the plastic film (1) with great force. The Thomson blade (3) comes into contact with the plastic film (1) on one side in the thickness direction of the plastic film (1), and a rolling member (4) comes into contact with the plastic film (1) on the other side in the thickness direction of the plastic film (1), rolling and moving along the plastic film (1) and the Thomson blade (3). Thus, the plastic film (1) is held between the Thomson blade (3) and the rolling member (4), and the plastic film (1) is cut by the Thomson blade (3) and the rolling member (4), producing plastic bags.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3550/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PRODUCING A DATA STORAGE MEDIUM BODY FOR A PORTABLE DATA STORAGE MEDIUM, AND DATA STORAGE MEDIUM BODY

(51) International classification	:G06K19/077
(31) Priority Document No	:10 2010 025 774.5
(32) Priority Date	:01/07/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/002984
Filing Date	:16/06/2011
(87) International Publication No	:WO 2012/000615
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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4)ENDRES, GUNTER
5)SCHELLENBERGER, CRISTINA

(57) Abstract :

A method for producing a data storage medium body for a portable data storage medium having a core layer and at least one top layer is proposed, wherein the core layer contains a chip module. The method involves providing a chip module (22) having a surface (24) which is adverse to lamination; applying an adhesive deposit (16) to the module surface (24); creating a recess (43, 45) in the core layer (42, 44) and inserting the chip module (22) into said recess such that the module surface (24) provided with the adhesive deposit (16) is situated towards the open side of the recess (43, 45); then applying a top layer (50) over the module surface (24); finally laminating the arrangement (16, 22, 42, 44, 50) which is then present. In this case, the adhesive deposit (16) combines intimately with the adjoining top layer (50).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3551/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR GENETIC IMAGING

(51) International classification :G06F19/22,G06K9/62,H03M7/30

(31) Priority Document No :12/781,679

(32) Priority Date :17/05/2010

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

(86) International Application No :PCT/US2011/035557

Filing Date :06/05/2011

(87) International Publication No :WO 2011/146263

(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)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

(72)Name of Inventor :

1)CHO, KIHU

2)GREENHALGH, DAVID G.

(57) Abstract :

Sequence data, e.g., genetic sequence data such as nucleic acid or amino acid sequences, can be represented in Genetic Images, as defined herein, that provide a compact, portable image that can be analyzed electronically (e.g., by computer) or optically e.g., visually or by optical scanning devices. New methods and systems are described by which sequence data is first converted into a numeric data set, which is, in turn, encoded to form a Genetic Image. The Genetic Image can be traced backwards to determine the original sequence data.

No. of Pages : 67 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3552/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR NON-INTRUSIVE LOAD MONITORING AND PROCESSING

(51) International classification :G01R21/133,G01D4/00,H02J13/00
(31) Priority Document No :61/351484
(32) Priority Date :04/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039009
Filing Date :03/06/2011
(87) International Publication No :WO 2011/153401
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SENSUS USA INC.
Address of Applicant :8601 SIX FORKS ROAD SUITE 300
RALEIGH NC 27615 U.S.A.
(72)Name of Inventor :
1)SANDERFORD H.,BRITTON

(57) Abstract :

A system and method for use in a non-intrusive load monitoring system to identify specific types of loads and communicate the identified load information to interested parties. The non-intrusive load monitoring system includes an electricity meter that measures load information from a home or facility. The load information is analyzed by comparing the information to a series of load signatures for various known electrical loads to identify the specific type of electric load. Once the type of load is identified, the system utilizes the information to analyze the operation of the load and relay messages to the home owner regarding such operation. The load information may be used by a utility to better predict and manage peak and average electricity consumption over the year. Upon customer authorization, the load identification information may also be relayed to third parties for use in directed sales campaigns and discount promotions.

No. of Pages : 25 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3513/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DEVICE FOR PREPARING HOT WATER, IN PARTICULAR FOR DOMESTIC APPLICATIONS

(51) International classification	:F24D11/02
(31) Priority Document No	:10 2010 029 882.4
(32) Priority Date	:09/06/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/058513
Filing Date	:25/05/2011
(87) International Publication No	:WO 2011/154250
(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)HOLZER Stefan
2)REHFUSS Evgeni
3)RENNER Andreas
4)SPIELMANNLEITNER, Markus
5)WETZL Gerhard

(57) Abstract :

The invention relates to a device which is used for preparing hot water, in particular for domestic applications by recovering heat from waste water preferably waste water from a sink and/or a dishwasher or washing machine. This is performed by means of a heat pump, in particular a compression heat pump, having a waste water container 1 which collects the waste water, and a hot water reservoir 4. The heat pump evaporator 2 is in thermal contact with the waste water container 1 and the heat pump condenser 3 is in thermal contact with the hot water reservoir 4. The waste water container 1 is provided with an agitating apparatus.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3514/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SOLAR THERMAL INSTALLATION

(51) International classification :F24J2/10,F24J2/46

(31) Priority Document No :10 2010 014 787.7

(32) Priority Date :13/04/2010

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/001852

Filing Date :13/04/2011

(87) International Publication No :WO 2011/128082

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SOLAR POWER GROUP GMBH

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Ratingen, GERMANY

(72)Name of Inventor :

1)GRAF DE LALAING, Jacques

2)CUEVAS HIDALGO, JosÉ

3)REICHERT, Georg

(57) Abstract :

The invention relates to a solar thermal installation comprising an absorber device (200) for receiving reflected light, said absorber device (200) being arranged above heliostats (1) and supported by posts (3), and a maintenance device (300) in the region of the absorber device (200), that can be moved in the longitudinal direction of the absorber device (200).

No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3515/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SOLAR INSTALLATION COMPRISING A TRANSPORT DEVICE

(51) International classification :F24J2/46,F24J2/52,F24J2/54
(31) Priority Document No :10 2010 014 789.3
(32) Priority Date :13/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001855
Filing Date :13/04/2011
(87) International Publication No :WO 2011/128085
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :

1)SOLAR POWER GROUP GMBH

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(72)Name of Inventor :

1)GRAF DE LALAING, Jacques

2)ALSTERS, Jan

3)CUEVAS HIDALGO, JosÉ

4)REICHERT, Georg

(57) Abstract :

The invention relates to a solar installation comprising a supporting structure on which the solar elements are fixed. A track(5), preferably formed by rails is provided in the region of the supporting structure (17) in order to be able to send a driverless transport device (3 3a) along said track to the position of a solar element.

No. of Pages : 38 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3701/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TOUCH-SENSITIVE INPUT UNIT FOR A HOUSEHOLD APPLIANCE, AND HOUSEHOLD APPLIANCE

(51) International classification	:G06F3/044,D06F39/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 030 315.1	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:21/06/2010	Address of Applicant :CARL-WERY-STR. 34, 81739
(33) Name of priority country	:Germany	MÜNCHEN, GERMANY
(86) International Application No	:PCT/EP2011/059612	(72)Name of Inventor :
Filing Date	:09/06/2011	1)GÖTZ KONRAD
(87) International Publication No	:WO 2011/160960	2)LUBERT THOMAS
(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 touch-sensitive input unit (1) for a household appliance (21), comprising at least one electrode carrier (21) comprising a substrate (6) that is in particular flexible and a plurality of electrode fields (8) applied two-dimensionally to one side of the substrate and made of a first electrically conductive material, wherein the other side of the electrode carrier (21) is adhesively applied to a control surface (22) to be touched by a user for controlling the touch-sensitive input unit (1), each of the electrode fields (8) of the electrode carrier (21) is connected to a contact field (14) of a circuit board (13) by means of an electrically conductive contact element (15), and the contact element (15) is inserted, in particular clamped, between associated electrode fields (8) and contact fields (14), having electrical and mechanical contact.

No. of Pages : 20 No. of Claims : 12

(54) Title of the invention : DEVICE FOR PREPARING HOT WATER BY RECOVERING HEAT FROM WASTE WATER

(51) International classification :F24D17/02,F24D17/00,F28D15/02
 (31) Priority Document No :10 2010 029 880.8
 (32) Priority Date :09/06/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/058614
 Filing Date :26/05/2011
 (87) International Publication No :WO 2011/154264
 (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)HOLZER STEFAN
2)REHFUSS EVGENI
3)RENNER ANDREAS
4)SPIELMANNLEITNER MARKUS
5)WETZL GERHARD

(57) Abstract :

The invention relates to a device for preparing hot water by recovering heat from waste water, said device operating by means of a heat pump which comprises a compressor (1) and an evaporator, in particular by means of a small heat pump for domestic applications. The device is provided with a hot water reservoir (2) which is fed with thermal energy by the heat pump evaporator. The hot water reservoir (2) is thermally connected to the heat pump compressor (1) via at least one heat pipe (4), the hot water reservoir (2) being disposed above the compressor (1) and the at least one heat pipe (4) being used to dissipate to the hot water reservoir (2) waste heat produced when the compressor (1) is in operation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1349/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AUTOMOBILE DOOR STRUCTURE

(51) International classification	:B60J5/04
(31) Priority Document No	:2011-260941
(32) Priority Date	:29/11/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)TAKACHIO YOSHIHIRO

2)MURAMATSU TAKAHIRO

(57) Abstract :

An automobile door structure with which the cabin, especially the vicinity of the backseat, is extremely silent is provided. A representative configuration of the present invention is an automobile door structure 100 provided with a partition glass 114, the structure includes reinforcements (a roof reinforcement 122 and a pillar reinforcement 124) that are continuously disposed along an upper part to a rear part of the partition glass 144 and include sealing surfaces 132 and 134 facing an edge 114a of the partition glass 114, and a partition W/S 118 including a fitting part 118a that fits the edge 114a of the partition glass 114 over the upper part to the rear part and a projecting lip part 130 that is in contact with the sealing surfaces 132 and 134 on a side opposite the fitting part 118a and seals space created with the sealing surfaces 132 and 134 over an entire length of the sealing surfaces.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.159/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : INTRACELLULAR IMMUNITY

(51) International classification :C07K16/08,C07K14/435
(31) Priority Document No :1012410.5
(32) Priority Date :23/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/001116
Filing Date :25/07/2011
(87) International Publication No :WO 2012/010855
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MEDICAL RESEARCH COUNCIL
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(72)Name of Inventor :
1)JAMES, Leo, C.
2)MALLERY, Donna, L.
3)MCEWAN, William, A.
4)BIDGOOD, Susanna, R.

(57) Abstract :

A compound comprising a ligand which binds, directly or indirectly, specifically to an antigen of a pathogen, provided that said ligand is not the PRYSPRY domain of TRIM21; and a RING domain and/or an inducer of TRIM21 expression.

No. of Pages : 69 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :23/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPROVED FLUORESCENT ILLUMINATION DEVICE

(51) International classification	:F21S2/00,F21V19/00	(71) Name of Applicant :
(31) Priority Document No	:61/400,646	1)ELVIN, Frederick
(32) Priority Date	:30/07/2010	Address of Applicant :2458 Rochester Road, Oakland, MI
(33) Name of priority country	:U.S.A.	48363, U.S.A.
(86) International Application No	:PCT/US2011/001330	(72) Name of Inventor :
Filing Date	:28/07/2011	1)ELVIN, Frederick
(87) International Publication No	:WO 2012/015478	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An illumination device having an elongate bulb and an outer casing substantially coextensive with the bulb and surrounding the same. The elongated bulb is a CCFL which generally has a glass bead containing an iron electrode embedded in the center and attached to both ends thus sealing the elongate bulb. The end of the CCFL bulb will have the iron electrode bent over and in contact with an outside surface of the bulb and then have a coil spring connector arranged over the end of the bulb. The coil spring connector contacts the iron electrode thus allowing for electricity to flow through the coil spring connector to the iron electrode and the associated electronic circuitry needed to operate the CCFL bulb.

No. of Pages : 81 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.302/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : BALANCE PLATE ASSEMBLY FOR A FLUID DEVICE

(51) International classification	:F01C19/08
(31) Priority Document No	:61/370,310
(32) Priority Date	:03/08/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/046360
Filing Date	:03/08/2011
(87) International Publication No	:WO 2012/018878
(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)HICKS, Aaron, Michael

(57) Abstract :

A fluid device (10) includes a displacement assembly (16) and a balance plate assembly (14) disposed adjacent to the displacement assembly (16). The displacement assembly (16) includes a ring (28) and a rotor (26) disposed in a bore (34) of the ring (28). The ring (28) and rotor (26) cooperatively define a plurality of volume chambers (50). The balance plate assembly (14) includes a housing (84) that defines a cavity (86). A balance plate (86) is disposed in the cavity (86). The balance plate (86) includes a first end surface (130) and an oppositely disposed second end surface (132). The balance plate (86) is adapted to move axially between a first position (200) in which the second end surface (132) of balance plate (86) abuts a first end face (31) of the ring (28) to a second position (204) in which the second surface (132) of the balance plate (86) is recessed in the cavity (86).

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3720/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MAT OF POLYMER FIBRES CONTAINING AN ACETOACETAMIDE AND USE THEREOF

(51) International classification :B32B5/28,B32B21/10,C08J7/06
(31) Priority Document No :1054020
(32) Priority Date :25/05/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051073
Filing Date :13/05/2011
(87) International Publication No:WO 2011/148075
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
1)BLANCHARD, BENJAMIN
2)JAFFRENNOU, BORIS
3)CHUDA, KATARZYNA

(57) Abstract :

The present invention relates to a mat of polymer fibers capable of trapping formaldehyde which contains at least 0.5% by weight of an acetoacetamide of formula: in which R1 and R2, which may be identical or different, represent a hydrogen atom, a methyl radical or an ethyl radical. Another subject of the invention is the use of said mat, in particular as a surface covering for thermal and/or sound insulation products, in particular based on mineral wool, polystyrene or on an organic or inorganic foam.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3477/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPROVED VENT INSTALLATION METHOD

(51) International classification :H05K5/02,F21V31/03
(31) Priority Document No :61/334,282
(32) Priority Date :13/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036425
Filing Date :13/05/2011
(87) International Publication No :WO 2011/143551
(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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Newark,DE 19714-9206 U.S.A.
(72)Name of Inventor :
1)GIFFORD,Robert,B.
2)KEOUGH,Michael

(57) Abstract :

A method for installation of an adhesive vent over an aperture in a surface is described, the adhesive vent has at least one substantially straight serrated edge and an air permeable venting region, an adhesive region having adhesive disposed thereon surrounding the air permeable venting region. The method comprises providing an edge guide adjacent to the aperture, the edge guide adapted to inhibit motion in at least one direction on the surface, positioning the serrated edge on the surface such that the edge of the adhesive vent engages with the edge guide and pressing the adhesive vent onto the surface such that the air permeable region of the adhesive vent covers the aperture and the adhesive vent is fixed to the surface by the adhesive.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3478/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF SUBSTITUTE NATURAL GAS

(51) International classification :C10L3/08
(31) Priority Document No :1011063.3
(32) Priority Date :01/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051215
Filing Date :27/06/2011
(87) International Publication No :WO 2012/001401
(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)EASTLAND,Philip,Henry,Donald
2)GAVIN,Jonathan,Geoffrey
3)WALKER,David,Andrew

(57) Abstract :

A process for the production of substitute natural gas comprising: providing a feed gas to a first and/or second and/or subsequent bulk methanator; subjecting that feed gas to methanation in the presence of a suitable catalyst; removing an at least partially reacted stream from the first bulk methanator and supplying it to the second and/or subsequent bulk methanator where it is subjected to further methanation; passing a product stream from the final bulk methanator to a trim methanator train where it is subjected to further methanation; removing a recycle stream downstream of the first, second or subsequent bulk methanator, and, in any order, passing it through a compressor, subjecting it to cooling and then supplying to a trim and/or recycle methanator for further methanation before being recycled to the first and/or second and/or subsequent methanator.

No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3479/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTAINER CLEANING RECHARGING METHOD AND APPARATUS

(51) International classification :F25B45/00
(31) Priority Document No :61/345,428
(32) Priority Date :17/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036804
Filing Date :17/05/2011
(87) International Publication No :WO 2011/146481
(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)CULL,David

(57) Abstract :

An apparatus and method for cleaning, sanitizing and recharging a self chilling container having a heat exchange unit including compressed carbon internally thereof including a plurality of sources of cleaning and sanitizing materials connected through a plurality of valves to the container for injecting and exhausting the materials into and from the container. A source of carbon dioxide gas to be injected into said heat exchange unit to be adsorbed by said carbon. A source of chilled fluid and means for circulating the chilled fluid through the container during adsorption of said carbon dioxide gas to remove heat generated thereby.

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

(54) Title of the invention : BROADCAST CONTENT TRANSMITTING DEVICE, AND BROADCAST CONTENT RECEIVING DEVICE

(51) International classification :H04N7/173,H04H20/16,H04H60/13
 (31) Priority Document No :2010-128442
 (32) Priority Date :04/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/062399
 Filing Date :30/05/2011
 (87) International Publication No :WO 2011/152362
 (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)YAMADA, Akira
2)OHYA, Tomoyuki
3)MATSUOKA, Hosei
4)NAKAZAWA, Norihiko
5)BABA, Masayuki

(57) Abstract :

When only a portion of the contents stored within a terminal is updated, the updated content is efficiently received while taking into consideration the reduction in the power consumption of the terminal. Disclosed is a broadcast content transmitting device (10) provided with a program information generating device (15) for generating program information containing the object broadcasting time, the object version number information, object identifiers and the list of objects constituting the broadcast content, and with a content transmission control device (12) for repeatedly transmitting each of the aforementioned objects on the basis of the object broadcasting time and for transmitting the aforementioned program information at a predetermined transmission time, wherein, when the an object constituting the aforementioned broadcast content is added, deleted, or updated, the program information of said broadcast content is updated; a broadcast content receiving device is notified that the aforementioned object was updated once the corresponding object version number information is updated, and that the aforementioned object was added or deleted once the aforementioned list of objects is updated.

No. of Pages : 43 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3426/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HIGH FLOWABILITY LONG CHAIN BRANCHED POLYPROPYLENE

(51) International classification	:C08L23/10
(31) Priority Document No	:10004991.5
(32) Priority Date	:11/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/007227
Filing Date	:29/11/2010
(87) International Publication No	:WO 2011/141044
(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)KLIMKE, Katja

3)TRAN, Anh, Tuan

4)DOSHEV, Petar

5)TYNYS, Antti

6)OBADAL, Martin

7)KOCK, Cornelia

8)FRIEL, David

(57) Abstract :

The present invention relates to a polypropylene composition showing a high melt flow rate and high melt strength while maintaining high impact strength. The composition of the present invention is obtainable by using a low molecular weight linear isotactic polypropylene as melt flow enhancer for a high molecular weight polypropylene having a high melt strength and impact strength. The inventive composition could be used for the production of different articles.

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

(54) Title of the invention : LIFT AND PIVOT DEVICE FOR A COVER OF A FURNACE AND FURNACE SYSTEM AND METHOD FOR CHARGING AND SERVICING SUCH A FURNACE SYSTEM

(51) International classification	:F27B3/08,F27B3/16,F27B3/18	(71)Name of Applicant :
(31) Priority Document No	:10 2010 041 692.4	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:30/09/2010	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:Germany	MÜNCHEN, GERMANY
(86) International Application No	:PCT/EP2011/066960	(72)Name of Inventor :
Filing Date	:29/09/2011	1)CARLO HEINEMANN
(87) International Publication No	:WO 2012/041947	2)MICHAEL SCHMID
(61) Patent of Addition to		3)UWE WILHELM
Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a lift and pivot device (1) for a cover (11) of a furnace, comprising: a guide housing (2) having a base plate (2a), at least one rotatably mounted slide roller (6, 6), and a vertical opening (2d); a lift pin (3) that can be lifted and lowered inside the vertical opening (2d) in the guide housing (2); a lift cylinder (4) for lifting and lowering the lift pin (3), said lift cylinder being articulated to the lift pin (3) at one end as well as articulated and rotatably connected to the base plate (2a) at the other end; and a guide frame (5) for carrying the cover (11), said guide frame comprising a support arm (5a), wherein an upper end of the support arm (5a) is equipped for connection to the cover (11) and further comprising a lift nose (5b) having a lift eye (5c) which is in engagement with an end of the lift pin (3) facing away from the lift cylinder (4), wherein the support arm (5a) at the other end thereof comprises at least slide plate (2b, 2b), wherein a lateral face of the at least one slide roller (6, 6) can roll on the at least one slide plate (2b, 2b) during the lifting and lowering of the lift cylinder (4).

No. of Pages : 32 No. of Claims : 14

(54) Title of the invention : SPARK PLUG

(51) International classification :H01T13/32,F02P13/00,H01T13/39
(31) Priority Document No :2010-110857
(32) Priority Date :13/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/002556
Filing Date :06/05/2011
(87) International Publication No :WO 2011/142106
(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)Norihide KACHIKAWA

(57) Abstract :

The purpose of the present disclosure is to ensure the strength of a grounding electrode and a main fitting even when the diameter of a spark plug is reduced. A spark plug (100) comprises a center electrode (20), a grounding electrode (30) made of a metallic material at least 95% nickel, and an approximately cylindrical main fitting (50). The leading end face (57) of the main fitting (50) is welded to one end of the grounding electrode (30). The spark plug (100) is such that BD, which is the depth of the deepest part of the grounding electrode (30) that is embedded within the main fitting (50) as measured from the leading end face of the main fitting (50), satisfies the condition $0.15\text{mm} \leq BD \leq 0.40\text{mm}$; and is such that EW1, which is the width of the grounding electrode (30) at the closest position to the part thereof that is deformed by the welding, and EW2, which is the width of the part of the grounding electrode (30), on the leading end face (57) of the main fitting (50), that is deformed by the welding, satisfy the condition $(EW2 - EW1) / EW1 \leq 0.1$.

No. of Pages : 27 No. of Claims : 9

(54) Title of the invention : DEVICE FOR OPTICALLY MEASURING THE BENDING OF A ROTOR BLADE OF A WIND TURBINE

(51) International classification	:F03D11/00,G01M5/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 017 749.0	1)SSB WIND SYSTEMS GMBH & CO. KG
(32) Priority Date	:05/07/2010	Address of Applicant :Neuenkirchener Stra ße 13, 48499
(33) Name of priority country	:Germany	Salzbergen, GERMANY
(86) International Application No	:PCT/EP2011/056807	(72)Name of Inventor :
Filing Date	:28/04/2011	1)BERTOLOTTI, Fabio
(87) International Publication No	:WO 2012/004020	
(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 device for optically measuring the curvature of a rotor blade (18) of a wind power plant (1), wherein said rotor blade is fixed at the blade root (23) thereof to a rotor hub (8) of a rotor (6), comprising at least one light emitting outer marking (33) fixed to the rotor blade (18) at a distance from the blade root (23), at least one camera (27) which is fixed to the rotor (6) and which captures the light (35) emitted from the outer marking (23) and provides first location information in dependence on the relative position of the camera (27) with respect to the outer marking (33), an evaluating device (37) coupled to the camera (27), and a position detection means which detects the relative location of the camera (27) with respect to the blade root (23) and provides second location information in dependence on said relative location, wherein the evaluating device (37) determines at least one variable characterising the curvature of the rotor blade (18) while evaluating the position information.

No. of Pages : 41 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3582/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS FOR PRODUCING INSERTS FOR STEAM GENERATOR TUBES

(51) International classification :F22B37/10,F22B37/18,F22B29/06
(31) Priority Document No :10164425.0
(32) Priority Date :31/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/057419
Filing Date :09/05/2011
(87) International Publication No :WO 2011/151133
(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)EFFERT; MARTIN
3)FRANKE, JOACHIM

(57) Abstract :

An apparatus for producing inserts for steam generator tubes is intended to allow a technically particularly simple production process, and consequently allow particularly high-speed production of inserts. For this purpose, the apparatus comprises a winding head (12) with a wire guiding pin (20), a guiding opening (16) for a former shaft (1), provided with a number of spiral slots (4), and a pressure roller (22), the wire guiding pin (20), the guiding opening (16) and the pressure roller (22) being arranged in such a way that a tangent of the pressure roller (22) and of a slot (4) of the former shaft (1) and the guiding axis of the wire guiding pin (20) substantially coincide.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3583/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR TREATING LAUNDRY IN A WASHING MACHINE AT LOW TEMPERATURE AND WASHING MACHINE SUITABLE FOR SAID METHOD

(51) International classification :D06F25/00,D06F35/00,D06F58/20
(31) Priority Document No :10 2010 029 885.9
(32) Priority Date :09/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/058873
Filing Date :31/05/2011
(87) International Publication No :WO 2011/154277
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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MÜNCHEN Germany
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1)EGLMEIER HANS
2)HANAU ANDREAS
3)SCHAUB HARTMUT

(57) Abstract :

The invention relates to a method for treating laundry (7) in a washing machine, which comprises a suds container (1), a drum (2) rotatably supported in the suds container (1) for accommodating the laundry (7) to be treated with ozone, and a device (20) for providing ozone, wherein ozone-containing air at a temperature of no more than 35°C is introduced into the drum (2) onto washed laundry (7) that is in the drum (2) and that is still damp, while substantially no detergents or washing additives are in the drum (2), and wherein subsequently a rinsing process is carried out for the laundry (7) in the drum (2). The invention further relates to a washing machine that is especially suitable for said method.

No. of Pages : 25 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3584/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMPRESSION HEAT PUMP, IN PARTICULAR FOR APPLICATIONS NEAR HOUSEHOLDS

(51) International classification :F25B41/06
(31) Priority Document No :10 2010 029 874.3
(32) Priority Date :09/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/058441
Filing Date :24/05/2011
(87) International Publication No :WO 2011/154247
(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)HOLZER, STEFAN

(57) Abstract :

The invention relates to a compression heat pump, in particular for applications near households, such as heat recovery from waste water, for refrigerating or air- conditioning apparatus and the like. The compression heat pump consists of a compressor 1 for a coolant, a condenser 2, an evaporator 3 and an expansion valve 4 disposed between the condenser 2 and evaporator 3. Further provided are a switching valve 5 for switching the flow resistance of the expansion valve 4 between two fixed flow resistance values, and a temperature sensor which is disposed on the evaporator 3 in the region of the point at which the coolant is injected. Below a predetermined temperature at the temperature sensor, the switching valve 5 switches to low flow resistance of the expansion valve 4 and above that temperature it switches to a higher flow resistance of the expansion valve 4.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3586/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SWEETENER COMPOSITION

(51) International classification :A23L1/226,A23L1/236,A23L1/22

(31) Priority Document No :10167025.5

(32) Priority Date :23/06/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/IB2011/052739

Filing Date :22/06/2011

(87) International Publication No :WO 2011/161633

(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)GELIN, JEAN-LUC

2)SKIFF, RONALD H.

(57) Abstract :

A sweetening composition comprises: (a) stevia, and (b) a compound according to formula (I) wherein the compound according to formula (I) is present in an amount of at least 0.0001%, by weight based on the total weight of the sweetening composition The compound attenuates the liquorice taste associated with stevia.

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

(54) Title of the invention : SANITARY INSERTION UNIT AND SHOWER FITTING HAVING A SANITARY INSERTION UNIT

(51) International classification :E03C1/086,E03C1/04,F16L15/00	(71) Name of Applicant :
(31) Priority Document No :20 2010 009 135.7	1)NEOPERL GMBH
(32) Priority Date :16/06/2010	Address of Applicant :Klosterrunsstr. 11, 79379 Müllheim
(33) Name of priority country :Germany	GERMANY
(86) International Application No :PCT/EP2011/001212	(72) Name of Inventor :
Filing Date :11/03/2011	1)SCHNELL, Thomas
(87) International Publication No :WO 2011/157309	2)STEIN, Alexander
(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 sanitary insertion unit which has a sealing ring (1) with a sleeve shaped extension (2), the free end region of which extension (2) has a head (3) which protrudes circumferentially and, when the extension (2) is inserted into an associated line section, can be deformed at least in regions in such a manner that the head (3) of the extension (2) is placed onto the inner circumferential wall of the line section (5). The invention also relates to a sanitary insertion unit which has a flow regulator or is designed as a flow regulator, the outer circumference of the housing of which flow regulator bears a clamping edge region for, in particular, sealing and clamping the flow regulator between two interconnected line sections, wherein the flow regulator bears a sleeve shaped extension, the circumferentially protruding head of which, the head being produced from elastic material, can be deformed when the extension is inserted into a line section, in such a manner that the head is placed onto the inner circumferential wall of the line section. Finally, the present invention is also concerned with a shower fitting having a line section which is configured in the form of a shower connection and in the line interior of which one of the above described insertion units can be inserted.

No. of Pages : 40 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3495/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PRINT-HEAD MODULE

(51) International classification	:B41J25/34
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2010/003681
Filing Date	:18/06/2010
(87) International Publication No	:WO 2011/157281
(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)LUTZ Patrik

(57) Abstract :

A print head module (1) for a single-pass inkjet printer is specified, which print-head module (1) comprises a housing (3), a hanger part (4) which is fastened to the housing (3) for hanging in a manner which is oriented in the direction of gravity, and a number of print heads (10) which are arranged on the housing (3) along a transverse direction (8) which is perpendicular with respect to a running direction (7), wherein the print heads (10) are positionally adjusted at least at one reference position. The print-head module (1) can be exchanged simply and rapidly. Complicated re-adjustment on the single-pass inkjet printer can be dispensed with.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3496/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PRINT-HEAD MODULE

(51) International classification :B41J25/34

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2010/003682
Filing Date :18/06/2010

(87) International Publication No :WO 2011/157282

(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)LUTZ PATRIK

(57) Abstract :

A single-pass inkjet printer (1) is specified with a running path (5) for guiding a printing medium along a running direction (7) and with a number of print-head modules (4) which extend over the running path (5) in a transverse direction (8). It is provided here that the print-head modules (4) are arranged in each case such that they can be introduced, in a manner which is suspended and self-adjusting, substantially in a vertical direction into a printing position, in which they are fixed to the unit and can be removed reversibly in the printing position, in which they are fixed to the unit. A single-pass inkjet printer (1) of this type affords the possibility of a simple manual exchange of print-head modules (4), as a result of which the down times are shortened.

No. of Pages : 39 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3807/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PROVIDING LATERAL THERMAL PROCESSING OF THIN FILMS ON LOW-TEMPERATURE SUBSTRATES

(51) International classification	:C23C16/56,H01L21/20
(31) Priority Document No	:61/350,765
(32) Priority Date	:02/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/038937
Filing Date	:02/06/2011
(87) International Publication No	:WO 2011/153357
(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)SCHRODER, Kurt, A.

2)WENZ, Robert, P.

(57) Abstract :

A method for thermally processing a minimally absorbing thin film in a selective manner is disclosed. Two closely spaced absorbing traces are patterned in thermal contact with the thin film. A pulsed radiant source is used to heat the two absorbing traces, and the thin film is thermally processed via conduction between the two absorbing traces. This method can be utilized to fabricate a thin film transistor (TFT) in which the thin film is a semiconductor and the absorbers are the source and the drain of the TFT.

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

(54) Title of the invention : ELECTRICALLY CONDUCTING SCREW CONNECTION AND SPECIAL SCREW FOR SUCH A SCREW CONNECTION

(51) International classification	:F16B35/04,F16B35/06	(71)Name of Applicant :
(31) Priority Document No	:20 2010 007 769.9	1)RUIA GLOBAL FASTENERS AG
(32) Priority Date	:09/06/2010	Address of Applicant :Further Str. 24-26, 41462 Neuss
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/DE2011/050018	(72)Name of Inventor :
Filing Date	:07/06/2011	1)GIRAUD, Wolfgang
(87) International Publication No	:WO 2012/019600	2)SCHRAER, Thorsten
(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 electrically conducting screw connection between two parts (10, 12) which are fastened to each other by a screw (16) having a screw head (18) and a shaft (22) and by a nut (28), wherein the screw (16) extends through a hole (14) in one of the parts (10), wherein the electrical contact between the other part (12) and the screw (16) is established by teeth (27) on the workpiece-side surface of the screw head (18) and/or of the nut (28) or of a washer (30) arranged between the nut (28) and the outer part (12) while the contact between the screw (16) and the one part (10) is established by elevations (26) on the shaft (22) of the screw (16), the outer diameter of the elevations being slightly greater than the inner diameter of the hole (14) and the elevations being arranged between the external thread (24) and the screw head (18), wherein the elevations (26) have flanks (42, 44) that extend at an angle and that meet each other at an angle of approximately 60° and that are connected to each other by circular arc sections (46, 48).

No. of Pages : 16 No. of Claims : 14

(54) Title of the invention : COATING LIQUID, CONDUCTIVE COATING FILM, ELECTRODE PLATE FOR ELECTRICITY STORAGE DEVICE, AND ELECTRICITY STORAGE DEVICE

(51) International classification :H01M4/66,H01B1/20,H01B1/24
 (31) Priority Document No :2010-193498
 (32) Priority Date :31/08/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/069785
 Filing Date :31/08/2011
 (87) International Publication No :WO 2012/029858
 (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)KOBAYASHI, NOBUYUKI
3)SANNAN, TAKANORI
4)TSUCHIDA , SHINYA
5)DOI , SEIJI
6)ICHINOMIYA , YOSUKE
7)IJIMA , YOSHIHIKO

(57) Abstract :

Provided is a coating liquid which is used for forming a conductive coating film on a surface of a current collector constituting an electrode plate for an electricity storage device. The coating liquid contains (A) a polymer acid, (B) a vinyl carboxylate copolymer represented by general formula (1) (wherein R1 is selected from the group consisting of H, Na, an organic group derived from a vinyl carboxylate monomer, and a cation capable of constituting an electrolyte in an electricity storage device, R2 to R4 are each independently selected from the group consisting of H, Na, a C1-C6 alkyl group, and a cation capable of constituting an electrolyte in an electricity storage device, and the ratio of m to n (m/n) is 0.0001 to 1), (C) a conductive material, and (D) a polar solvent.

No. of Pages : 89 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3858/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE STATION, BASE STATION, TRANSMISSION METHOD AND COMMUNICATION CONTROL METHOD

(51) International classification	:H04W8/22,H04W36/14
(31) Priority Document No	:2010-141082
(32) Priority Date	:21/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/064081
Filing Date	:20/06/2011
(87) International Publication No	:WO 2011/162216
(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)UMEDA, Hiromasa

(57) Abstract :

A mobile station comprises: an information element generating unit that, when the mobile station supports first and second frequency bands, generates an information element indicating at least one of whether the reception sensitivity will degrade because of the second frequency band, whether an authentication of communications using the second frequency band has been acquired and whether the transmission/reception band of the mobile station corresponds to a band that is a part of the second frequency band; and a transmitting unit that transmits the generated information element.

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

(54) Title of the invention : METHOD FOR PRODUCING A METAL CONTACT STRUCTURE OF A PHOTOVOLTAIC SOLAR CELL

(51) International classification :H01L31/0224
 (31) Priority Document No :10 2010 024 307.8
 (32) Priority Date :18/06/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/002963
 Filing Date :16/06/2011
 (87) International Publication No :WO 2011/157420
 (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)THAIDIGSMANN, Benjamin
3)CLEMENT, Florian
4)WOEHL, Robert
5)WOTKE, Edgar-Allan

(57) Abstract :

The invention relates to a method for producing a metal contact structure of a photovoltaic solar cell, comprising the following method steps: applying an electrically non conductive insulating layer to a surface of a semiconductor substrate, applying a metal contact layer to the insulating layer, and generating a plurality of local electrically conductive connections between the semiconductor substrate and the contact layer right through the insulating layer. The metal contact layer is formed using two pastes containing metal particles: the first paste containing metal particles is applied to a plurality of local regions, and the second paste containing metal particles is applied in a planar manner, covering at least the regions covered with the first paste as well as at least partially the regions located therebetween. As a result of a global heating of the semiconductor substrate the first paste penetrates the insulating layer and forms an electrically conductive contact directly with the semiconductor substrate, whereas the second paste does not penetrate the insulating layer and is electrically conductively connected to the semiconductor substrate only indirectly via the first paste.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3860/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRICAL MACHINE FOR SUBMERGED APPLICATION AND ENERGY CONVERSION SYSTEM

(51) International classification :H02K5/132,F03B13/10,F04D13/08
(31) Priority Document No :20100993
(32) Priority Date :09/07/2010
(33) Name of priority country :Norway
(86) International Application No :PCT/NO2011/000193
Filing Date :05/07/2011
(87) International Publication No :WO 2012/005597
(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)ÖVREBÖ, Sigurd
2)STORNES Stig Ove
3)MATVEEV Alexey
4)HÖYLAND Jrg

(57) Abstract :

The invention relates to an electrical machine for submerged applications and an energy conversion system for conversion of mechanical energy of unidirectional or reciprocating linear or rotational motion into electric energy and vice versa. The electric energy may be in the form of DC or AC current and voltage. The system is totally submerged in pure or salt water. The enabling element of the invention is multi pole permanent magnet synchronous machine with separately encapsulated stator and rotor integrated with mechanical system and power electronics.

No. of Pages : 28 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3790/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMBINATION OF LUMINESCENT SUBSTANCES

(51) International classification :C09K11/00,B42D15/00,G06K7/10
(31) Priority Document No :10 2010 028 818.7
(32) Priority Date :10/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057528
Filing Date :10/05/2011
(87) International Publication No :WO 2011/141467
(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)EBERT Dieter

(57) Abstract :

The invention relates to a luminescent composition containing a component that can be excited by infrared (IR) radiation and a component that can be excited by ultraviolet (UV) radiation. The composition has a characteristic emission spectrum and can optionally be used along with a reading system that is adjusted to the emission spectrum in order to mark substances or substance mixtures.

No. of Pages : 19 No. of Claims : 32

(54) Title of the invention : REFRIGERANT-TRANSPORTING HOSE

(51) International classification :B32B25/08,B32B1/08,F16L11/08

(31) Priority Document No :2010-126713

(32) Priority Date :02/06/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/062505

Filing Date :31/05/2011

(87) International Publication No :WO 2011/152407

(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)SHINODA Yasuaki**2)YAMAKAWA Kazuto**

(57) Abstract :

Disclosed is a refrigerant-transporting hose involving an inner tube layer composed of a gas barrier layer and a rubber layer adjacent to the outer surface of the gas barrier layer, wherein the rubber layer is composed of a rubber composition comprising 100 parts by mass of a raw material rubber, 1 to 15 parts by mass of an alkylphenol formaldehyde resin and 1 to 8 parts by mass of hydrotalcite, the raw material rubber comprises at least one component selected from the group consisting of BIMS and a copolymer rubber that is a butyl rubber and/or a halogenated butyl rubber, and the gas barrier layer is composed of a polyamide resin composition containing a modified polyamide which is produced by blending a polyamide with a modified polyolefin containing a carboxyl group. In the refrigerant transporting hose, the adhesion between the gas barrier layer and the rubber layer is excellent.

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

(54) Title of the invention : PASSIVE USER INPUT ATTACHMENTS ENGAGING COMPRESSIBLE CONDUCTIVE ELEMENTS AND METHOD FOR THE SAME

(51) International classification :G06F1/16,G06F3/047,G06F3/048

(31) Priority Document No :12/786,922

(32) Priority Date :25/05/2010

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

(86) International Application No :PCT/US2011/032947
Filing Date :19/04/2011

(87) International Publication No :WO 2011/149604

(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)KRAHENBUHL, John, Henry

2)ADY, Roger

3)SLABY, Jiri

(57) Abstract :

A user input attachment (201) is configured to selectively attach to an electronic device (100) such as a mobile telephone. The electronic device (100) includes a plurality of electrode nodes (205), which can be configured separately from each other across one or more surfaces of the electronic device (100). A controller (105), which is operable with the plurality of electrode nodes (205), is configured to sense current flowing through (or voltage across) the electrode nodes (205). The sensed voltage or current establishes an engagement signature (771) dependent upon pressure from compressible conductive elements (207) against electrode nodes (205) from the user input attachment (201), and where included, one or more protuberances (206). The controller (105) is configured to identify the user input attachment (201) from the engagement signature(771), and to detect user input by detecting changes from the engagement signature (771) due to variations in the current (770) in, or voltage across, each of the electrode nodes (205) caused by user manipulation of the user input attachment (201).

No. of Pages : 49 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3795/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ANTIBODIES TO ENDOPLASMIN AND THEIR USE

(51) International classification :C07K16/30,C12N15/13,G01N33/574
(31) Priority Document No :61/355,516
(32) Priority Date :16/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040580
Filing Date :15/06/2011
(87) International Publication No :WO 2011/159835
(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)FERRONE, Soldano
2)WANG, Xinhui
3)CONRADS, Thomas, P.
4)FAVOINO, Elvira
5)HOOD, Brian

(57) Abstract :

Isolated monoclonal antibodies are disclosed herein that specifically bind endoplasmin. In some embodiments these antibodies are fully human. Recombinant nucleic acids encoding these antibodies, expression vectors including these nucleic acids, and host cells transformed with these expression vectors are also disclosed herein. In several embodiments the disclosed antibodies are of use for detecting and/or treating tumors that express endoplasmin, such as melanoma, breast cancer, head and neck squamous cell carcinoma, renal cancer, lung cancer, glioma, bladder cancer, ovarian cancer or pancreatic cancer. In one example, the tumor is a melanoma.

No. of Pages : 133 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3538/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMPOSITIONS FOR THE TREATMENT OF GYNAECOLOGICAL DISORDERS

(51) International classification	:A61P 15/02
(31) Priority Document No	:MI2010A000884
(32) Priority Date	:18/05/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2011/057052
Filing Date	:03/05/2011
(87) International Publication No	:WO 2011/144439
(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)TOGNI, STEFANO

(57) Abstract :

The present invention relates to a combination of a rhatany extract, 8 -glycyrrhetic acid, in free form and in complexes with phospholipids, and Zanthoxylum bungeanum extract, for the topical treatment of gynaecological disorders, especially vulvovaginal infections.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3539/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FORMULATION COMPRISING NICOTINE AND A CATION EXCHANGE RESIN

(51) International classification :A61K9/08,A61K31/465
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/057560
Filing Date :31/05/2010
(87) International Publication No :WO 2011/150959
(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)ANDERSEN, CARSTEN

(57) Abstract :

The present invention provides a method of producing a nicotine delivery product, the method comprising: combining (i) a mixture comprising nicotine, a cation exchange resin and water, wherein the water content of the mixture is between 5 and 75 wt. % relative to the whole mixture; and (ii) further components of the nicotine delivery product.

No. of Pages : 30 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3540/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VALVE HOUSING FOR A FUEL TANK-MOUNTED VALVE ASSEMBLY AND METHOD OF MANUFACTURING SAME

(51) International classification	:B60K 15/035
(31) Priority Document No	:12/784,698
(32) Priority Date	:21/05/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2011/001092
Filing Date	:20/05/2011
(87) International Publication No	:WO 2011/144996
(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)MILLS, VAUGHN, KEVIN

(57) Abstract :

A method (300) of manufacturing a valve assembly (11, 111, 211) for a fuel tank (14) includes forming (302) a valve housing (10, 110, 210) with a recess (16, 116, 216) that is sized to retain a component (22, 122, 222) inserted into the recess. The component is detectable by a sensor (42) located outside of the fuel tank when the valve assembly is mounted in the fuel tank. A valve assembly (11, 111, 211) includes a valve housing (10, 110, 210) having a recess (16, 116, 216). The component (22, 122, 222) is retained in the recess by the valve housing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3544/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR POINTING DEVICE USING ACOUSTIC IMPEDIOGRAPHY

(51) International classification :G06F3/033

(31) Priority Document No :61/334,895

(32) Priority Date :14/05/2010

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

(86) International Application No :PCT/US2011/036674

Filing Date :16/05/2011

(87) International Publication No :WO 2011/143661

(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)IRVING, RICHARD

2)JAHROMI, OMID

3)KROPP, RONALD, A.

4)SCHMITT, RAINER, M.

(57) Abstract :

Invention includes a novel pointing device which uses acoustic impediology as a means to locate the position of finger and then uses the said location to control the position of a cursor on a computer screen. In addition, while the finger is touching the sensor the touch- pressure level can be estimated via statistical data evaluation, as average brightness decreases with increasing touch-pressure providing a means for gesturing. This new device has the advantage that it can double as a biometric identification device for verifying the identity of the computer's user.

No. of Pages : 10 No. of Claims : 1

(54) Title of the invention : ORGANIC SEMICONDUCTIVE MATERIAL PRECURSOR CONTAINING DITHIENOBENZODITHIOPHENE DERIVATIVE, INK, INSULATING MEMBER, CHARGE-TRANSPORTING MEMBER, AND ORGANIC ELECTRONIC DEVICE

(51) International classification :H01L51/30,C09D11/00,H01L29/786
(31) Priority Document No :2010-135664
(32) Priority Date :15/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063997
Filing Date :14/06/2011
(87) International Publication No :WO 2011/158951
(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)OKADA, Takashi
4)SHINODA, Masato
5)GOTO, Daisuke
6)MATSUMOTO, Shinji
7)MOHRI, Masataka
8)YUTANI, Keiichiro
9)KATO, Takuji
10)TANO, Takanori

(57) Abstract :

An organic semiconductive material precursor containing a dithienobenzodithiophene derivative expressed by General Formula I: in General Formula I, X and Y represent groups bonded together, upon application of external stimulus, to form X-Y which is eliminated from the compound expressed by General Formula I; R1 and R2 each represent a substituted or unsubstituted alkyl group, or a substituted or unsubstituted aryl group; and R3 to R10 each represent a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkoxy group, a substituted or unsubstituted alkylthio group, or a substituted or unsubstituted aryl group.

No. of Pages : 64 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3842/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CARDIOVASCULAR DEVICE

(51) International classification	:A61M1/10
(31) Priority Document No	:MO2010A000166
(32) Priority Date	:08/06/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2011/052470
Filing Date	:07/06/2011
(87) International Publication No	:WO 2011/154892
(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)PARRAVICINI, Roberto

(57) Abstract :

A cardiovascular device (11), adapted to be fitted into a cardiac ventricular cavity (2) having a volume with blood flowing therethrough, which is bounded by walls (8) and has a larger longitudinal dimension (D1) and a smaller transverse dimension (D2), characterized in that it comprises diaphragm means (16) that can be disposed in said ventricular cavity (2) substantially transverse to said larger longitudinal dimension (D1), in such an arrangement as to reduce said volume, said diaphragm means (16) having a peripheral edge (15) which can be sealingly engaged with said walls (8) and being adapted to be alternately driven between an active blood pushing displacement and an inactive return displacement.

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

(54) Title of the invention : HIGH STRENGTH HOT-ROLLED STEEL SHEET AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C38/00,B21B3/00,C21D9/46
 (31) Priority Document No :2010-123846
 (32) Priority Date :31/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/062306
 Filing Date :23/05/2011
 (87) International Publication No :WO 2011/152328
 (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)NORIAKI KOHSAKA**2)KAZUHIRO SETO****3)HIDETAKA KAWABE****4)YASUSHI TANAKA**

(57) Abstract :

The invention provides a high strength hot-rolled steel sheet with a tensile strength of not less than 590 MPa which exhibits excellent bake hardenability and stretch- flangeability, and a method for manufacturing the same. The chemical composition includes, in terms of mass%, C at 0.040 to 0.10%, Si at not more than 0.3%, Mn at 1.7 to 2.5%, P at not more than 0.030%, S at not more than 0.005%, Al at not more than 0.1% and N at 0.006 to 0.025%. The microstructure is such that a bainite phase represents not less than 60%, the total of a ferrite phase and a pearlite phase represents not more than 10%, and the bainite phase includes grains among which cementite grains have been precipitated at not less than 1.4×10^4 grains/mm² and the cementite grains have an average grain diameter of not more than 1.5 μ m.

No. of Pages : 34 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3578/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FOUNDATION PILE GROUP

(51) International classification :E02D27/12,E02D5/56,E02D27/14

(31) Priority Document No :2010129794

(32) Priority Date :07/06/2010

(33) Name of priority country :Japan

(86) International Application
No :PCT/JP2011/063424

Filing Date :06/06/2011

(87) International Publication
No :WO 2011/155619

(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 :

Provided is a foundation pile group including foundation piles capable of reliably supporting required total bearing capacity with easy construction. A foundation pile group 10 is structured with a plurality of foundation piles 1a, 1b, 1c, 1d, installed in a ground 90 and supports a structure 80. Each foundation pile 1a, 1b, 1c, 1d includes a steel pipe (being the same as a pile body) 2a, 2b, 2c, 2d and an approximately spiral-shaped spiral blade 3a, 3b, 3c, 3d which is fixedly arranged at the toe or the toe vicinity of the steel pipe 2a, 2b, 2c, 2d. The spiral blades 3a, 3b, 3c, 3d are formed to have outer diameters being approximately equal.

No. of Pages : 26 No. of Claims : 5

(54) Title of the invention : A PRODUCT WRAPPING MACHINE

(51) International classification :B65B11/32,B65B25/00,B65B49/12
 (31) Priority Document No :BO2010A000421
 (32) Priority Date :30/06/2010
 (33) Name of priority country :Italy
 (86) International Application No :PCT/IB2011/052556
 Filing Date :13/06/2011
 (87) International Publication No :WO 2012/001563
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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 (72)Name of Inventor :
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2)CARRARA, Marco

(57) Abstract :

A product wrapping machine comprises feed means (2) by which products (3) to be wrapped are directed on entry, in ordered succession to a take up station (4), a wrapping device (5) comprising a first conveyor (7), rotatable continuously about a respective axis (7a) and a second conveyor (8) rotatable intermittently about a respective axis (8a), and a transfer device (14) by which the products (3) are gripped in succession at the take up station (4) and fed to the wrapping device (5). The first conveyor (7) comprises a plurality of carriers (11), mounted rotatably on it and equipped with gripper heads (12). Each carrier (11) is associated with a respective motion inducing device (20) designed to move the carrier (11) in such a way as to enable the carrier (11) to interface and interact with a respective gripper element (16) of the second conveyor (8).

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3867/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ADAPTIVE PATIENT INTERFACE

(51) International classification :A61B3/103,A61B3/18
(31) Priority Document No :12/824,107
(32) Priority Date :25/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041676
Filing Date :23/06/2011
(87) International Publication No :WO 2011/163507
(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)RAKSI, Ferenc

2)JUHASZ, Tibor

(57) Abstract :

A patient interface for an ophthalmic system can include an attachment module, attachable to the ophthalmic system, and a contact module configured to accommodate a viscoelastic substance between the patient interface and a procedure eye. The viscoelastic substance can include a fluid, a liquid a gel, a cream an artificial tear, a film, an elastic material or a viscous material. The refractive index of the viscoelastic substance can be within a range of approximately 1.24-1.52 at an operating wavelength of the ophthalmic system. The patient interface can further include input ports output ports, and a suction system. It can be an integrated design or a multi piece patient interface. The viscoelastic substance can be provided by injection, on the cornea, at the contact module, or in a space bounded by soft elastic films or membranes, such as in a bag.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3441/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PALLET CONTAINER

(51) International classification :B65D19/12,B65D19/44,B65D21/08

(31) Priority Document No :1008929.0

(32) Priority Date :28/05/2010

(33) Name of priority country:U.K.

(86) International Application No :PCT/GB2011/050993

Filing Date :26/05/2011

(87) International Publication No :WO 2011/148180

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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5)HOAG, Al

6)HOWARD, William F

7)SCOTT, Andrew P

8)RUDYK, Richard

9)COOKE, Richard

10)SCHMIDT, Markus

(57) Abstract :

A pallet container for holding vehicle windshields for storage, transportation or otherwise, the pallet container comprising a frame structure defining a base, and a periphery, wherein one or more side restraints are provided to be mounted on-board the pallet to inhibit movement of windshields internally of the pallet container, wherein a said side restraint comprises a flexible fluid containing device. In an alternative realisation the pallet container is expandable in height and length and/or collapsible by means of opposed pivoted side frames and a connecting frame.

No. of Pages : 29 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3883/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : OBJECT IDENTIFICATION DEVICE

(51) International classification :G06T7/60,G06T1/00,G08G1/16
(31) Priority Document No :2010-151334
(32) Priority Date :01/07/2010
(33) Name of priority country :Japan
(86) International Application No:PCT/JP2011/065238
Filing Date :27/06/2011
(87) International Publication No :WO 2012/002552
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

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1)LI, Xue
2)HIRAI, Hideaki

(57) Abstract :

An object identification device identifying an image region of an identification target includes an imaging unit receiving two polarization lights and imaging respective polarization images, a brightness calculation unit dividing the two polarization images into processing regions and calculating a brightness sum value between the two polarizations images for each processing region, a differential polarization degree calculation unit calculating a differential polarization degree for each processing region, a selecting condition determination unit determining whether the differential polarization degree satisfies a predetermined selecting condition, and an object identification processing unit specifying the processing region based on the differential polarization degree or the brightness sum value depending on whether the predetermined selecting condition is satisfied and identifying plural processing regions that are specified as the processing regions as the image region of the identification target.

No. of Pages : 129 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3884/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AUTO IMSI SWITCH FOR INTERNATIONAL ROAMING

(51) International classification	:H04W8/26,H04W48/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2010/001550
Filing Date	:25/06/2010
(87) International Publication No	:WO 2011/161490
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GEMALTO SA

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(72)Name of Inventor :

1)SACHANANDANI, Vinod

(57) Abstract :

The invention concerns a method for automatically switching from a Home IMSI to a Roaming IMSI and vice versa, said Home IMSI and Roaming IMSI being contained in a SIM card adapted to be used in a mobile station and adapted to comprise elementary files, wherein it comprises the step of triggering the switch from one IMSI to another when detecting an update of the elementary file comprising forbidden public land mobile networks (EF FPIMN).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3885/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ENVIRONMENT MONITORING SYSTEM FOR A VEHICLE

(51) International classification :G01S15/93
(31) Priority Document No :102010045657.8
(32) Priority Date :17/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/003316
Filing Date :30/07/2011
(87) International Publication No :WO 2012/034612
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)WABCO GMBH
Address of Applicant :Am Lindener Hafen 21, 30453
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(72)Name of Inventor :
1)LÜCKING, Christoph
2)RISSE, Rainer
3)RONNENBERG, Udo
4)STENDER, Axel

(57) Abstract :

The invention relates to an environment monitoring system (3) for a vehicle (1), wherein the environment monitoring system (3) comprises: at least two distance sensors (4-1, 4-2, 4-3) for detecting distance by measuring the propagation time of detection signals, wherein the distance sensors (4-1, 4-2, 4-3) are each designed as a transmitting unit and receiving unit for the detection signal and, in a direct operating mode, emit detection signals, receive reflected components of the detection signals emitted by the distance sensors, and emit active measurement signals according thereto, and a control device (5), which receives the measurement signals of the distance sensors (4-1, 4-2, 4-3) and determines an object distance (s) of detected objects (10). According to the invention, at least one distance sensor (4-1, 4-2, 4-3) additionally can be operated in an indirect operating mode in order to detect a detection signal emitted by another distance sensor (4-2, 4-3, 4-1) and reflected by the object (10) and in order to generate an indirect measurement signal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3799/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL MODIFIED RELEASE DOSAGE FORMS OF XANTHINE OXIDOREDUCTASE INHIBITOR OR XANTHINE OXIDASE INHIBITORS

(51) International classification	:C12N15/09
(31) Priority Document No	:61/355,164
(32) Priority Date	:16/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/040418
Filing Date	:15/06/2011
(87) International Publication No	:WO 2011/159745
(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 disclosure relates to novel dosage forms of xanthine oxidoreductase inhibitors.

No. of Pages : 104 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3890/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FILTER ELEMENT, IN PARTICULAR AIR FILTER ELEMENT

(51) International classification :B01D46/52,B01D46/24
(31) Priority Document No :102010023393.5
(32) Priority Date :10/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059407
Filing Date :07/06/2011
(87) International Publication No :WO 2011/154412
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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GERMANY
(72)Name of Inventor :
1)ENDERICH Andreas
2)JERGER Alexander
3)TRAUB Matthias
4)VON MERKATZ Hendrik

(57) Abstract :

The invention relates to a filter element (3) in particular an air filter element, comprising a first end disc (4), a second end disc (5) and a filter medium (6) arranged between the end discs (4, 5), wherein the two end discs (4, 5) are spaced apart by the filter medium (6). An essential feature of the invention is the provision of a third end disc (7) which connects the two end discs (4,5), and which is arranged, at least in regions, obliquely with respect to the first and/or second end disc (4, 5) and which has an inlet and/or outlet (8). This makes it possible to use construction spaces which have hitherto not been usable.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3891/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BODY FOR DUMP TRUCK

(51) International classification :B60P1/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/004296
Filing Date :29/06/2010
(87) International Publication No :WO 2012/001738
(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)SATO, Takayuki

3)ISHIHARA, Kazunori

4)KITA, Yasuki

5)IKEMA, Takehito

6)YASUDA, Tomohiko

7)SASAKI, Takashi

8)NABESHIMA, Yoshifumi

9)OOSHIMA, Hitomi

(57) Abstract :

[Problem] To realize a body 5 having a light weight and sufficient rigidity, and therefore, to ease restriction on the authorized payload for a payload section such the authorized payload can be increased and the efficiency of hauling work by a dump truck can be improved. [Solution] A body is provided with earth/sand anti-sticking devices arranged in corner parts of a payload section defined by a bottom wall 7, a front wall 8, and left and right side walls 9, for example, sloping plates 14-16; and steel ribs 17a-17c arranged in hollow parts 25a-25c between steel members arranged outside and opposite the sloping plates 14-16, for example, the associated ones of the bottom wall 7, front wall 8 and left and right side walls 9, fixedly secured to the associated walls by welding to reinforce them, and arranged extending upright toward the sloping plates 14-16, respectively.

No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3892/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTAINER FOR REFRIGERATED PRODUCTS FOR A REFRIGERATOR

(51) International classification	:F25D25/02,F25D25/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 030 989.3	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:06/07/2010	Address of Applicant :Carl-Wery-Str. 34, 81739 MÜNchen
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/060781	(72)Name of Inventor :
Filing Date	:28/06/2011	1)DEISSLER, Stefan
(87) International Publication No	:WO 2012/004152	2)FINK, Jürgen
(61) Patent of Addition to Application Number	:NA	3)FRONMÜLLER, Andrea
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a container for refrigerated products for a refrigerator, in particular a domestic refrigerator, having a shell body (1) which has a front wall (3) which is secured in a releasable manner to the shell body (1). The container for refrigerated products has at least one operating element (5) which can be operated by a user without tools. The operating element (5) can be adjusted, in particular by a lifting movement (h), between a lock position in which the front wall (3) is secured to the shell body (1) such that it cannot be released, and a release position, in which the front wall (3) can be removed from the shell body (1).

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3893/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AIR-COOLED RECIPROCATING COMPRESSOR HAVING SPECIAL COOLING AIR CONDUCTION

(51) International classification :F04B25/00,F04B27/00,F04B39/06
(31) Priority Document No :10 2010 024 346.9
(32) Priority Date :18/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059782
Filing Date :14/06/2011
(87) International Publication No :WO 2011/157681
(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)HARTL, Michael
2)MENDEL, Jürgen
3)MELLAR, Jrg
4)FRITZ, Matthias

(57) Abstract :

The invention relates to an air-cooled reciprocating compressor for vehicles, comprising a compressing unit (2), which has a plurality of cylinders (1a, 1b) and is driven by a motor (3) and has a fan (4) for generating a cooling air flow, wherein the fan (4) is disposed on a connecting shaft (5) between the motor (3) and the compressing unit (2) and takes in the cooling air from the surroundings and delivers said cooling air to a downstream cooling air duct (6), wherein moreover the cooling air duct (6) at least partially surrounding the cylinders (1a, 1b) is designed such that cooling air can flow around all in-line cylinders (1a, 1b) of the compressing unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.36/KOL/2010 A

(19) INDIA

(22) Date of filing of Application :15/01/2010

(43) Publication Date : 28/06/2013

(54) Title of the invention : METAL NANOPARTICLE BASED SENSORS FOR HYDROGEN PEROXIDE, URIC ACID AND CHOLESTEROL AND THE PREPARATION THEREOF

(51) International classification	:G01N31/22	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :KHARAGPUR, PIN - 721 302, DIST -
(33) Name of priority country	:NA	MIDNAPORE, STATE OF WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAJ C. RETNA
(87) International Publication No	: NA	2)JENA, BIKASH, KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An integrated enzyme-metal nanoparticle based sensor comprising integrated enzymes and nanoscale platinum particles having size ranging from 7 to 10 nm on a conducting support modified with biocomposite layer. A method of preparation of fabricated sensor, said method comprising the steps of modifying a conducting support comprising polycrystalline gold electrode with a layer of biocomposite derived from 3- (mercaptopropyl)trimethoxy silane (MPTS), encapsulating the oxidase enzymes into the network and self assembling the platinum nanoparticles on SH groups of silicate network by chemisorption.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3906/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DETECTION DEVICE AND INSPECTION METHOD FOR BOTTLE SEAM AND EMBOSSING ALIGNMENT

(51) International classification	:G01N21/90,B65C9/06	(71)Name of Applicant :
(31) Priority Document No	:10 2010 032 166.4	1)KHS GMBH
(32) Priority Date	:23/07/2010	Address of Applicant :Juchostrasse 20, 44143 Dortmund,
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/002491	(72)Name of Inventor :
Filing Date	:18/05/2011	1)BUCHWALD Carsten
(87) International Publication No	:WO 2012/010231	2)SCHORN Wolfgang
(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 detection system (1) and to an inspection method comprising the detection system (1) for detecting bottles (2) and similar containers (2) that have features arranged on a container wall. The detection system (1) comprises at least one illuminating unit (3) and at least one optical assembly (4) having at least one camera (5), wherein the illuminating unit (3) comprises a plurality of light sources (6) arranged on a plurality of conductive tracks (12), the light sources being arranged one above the other as seen looking in the vertical direction of the illuminating unit, such that by means of the light sources (6) arranged in vertically aligned columns a stripe- shaped light beam (7) can be projected onto a container wall region (8), wherein the respective light beams projected onto the container wall region (8) are spaced from each other, as seen looking in an axial direction of the illuminating unit (3). The detection system (1) is characterised in that the light sources of each conductive track (12) which are arranged in vertically aligned columns, as seen looking in the axial direction, are arranged on said conductive track one above the other without offset, wherein each vertically aligned column (14) of light sources (6) of the respective conductive track (12) can be actuated via a control unit depending on detected surface properties of the container (2) such that the vertically aligned columns (14) are able to project a light pattern onto the container wall region (8) which can be variably adjusted depending on the surface properties.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3907/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TRANSMISSION/RECEPTION METHOD AND APPARATUS FOR UPLINK MIMO RETRANSMISSION IN LTE SYSTEM

(51) International classification :H04B7/04,H04L1/18
(31) Priority Document No :10-2010-0094749
(32) Priority Date :29/09/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/007179
Filing Date :29/09/2011
(87) International Publication No :WO 2012/044083
(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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Suwon-si, Gyeonggi-do 443-742, Republic of Korea

(72)Name of Inventor :

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2)KIM, Youn Sun

(57) Abstract :

A transmission/reception method and apparatus for a mobile communication system supporting uplink MIMO is provided. In the transmission method, a User Equipment (UE) transmits two transport blocks according to a predetermined number of layers and respective precoding indices, an evolve Node B (eNB) transmits, when one of the transport blocks is lost, a negative acknowledgement for the lost transport block, and the UE sets a precoding index for the lost transport block to a predetermined value to retransmit the lost transport block while maintaining the number of layers.

No. of Pages : 42 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3908/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ROTATING CLASSIFIER

(51) International classification :B07B7/083,B02C15/04,F23K3/02

(31) Priority Document No :2010-112111

(32) Priority Date :14/05/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/060864

Filing Date :11/05/2011

(87) International Publication No :WO 2011/142390

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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4)TAKENO Yutaka

5)NOMURA Shinichiro

(57) Abstract :

Disclosed is a rotating classifier which can retain high classification performance and in which blockages caused by biomass and the like are unlikely. The rotating classifier is characterised in: having a comb-shaped protruding section (36) which has gaps along the circumferential direction of a rotating classifier fin (13), and which is on the upper section of the rotating classifier fin (13) protruding towards a fixed member (27) side; a first gap (42) being provided between the upper end section of the comb-shaped protruding section (36) and the lower surface of the fixed member (27); a second gap (43) formed between a protruding section (36a) and an adjacent protruding section (36b) being connected to the first gap (42); and an air current being generated by the rotation of the rotating classifier fin (13), said air current travelling through the first gap (42) and the second gap (43) from the radially outward side to the radially inward side of the comb-shaped protruding section (36).

No. of Pages : 51 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3499/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF HYDROQUINONES

(51) International classification :C07C37/56,C07C39/08,C07C39/30
(31) Priority Document No :10003959.3
(32) Priority Date :15/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/001316
Filing Date :17/03/2011
(87) International Publication No :WO 2011/128018
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
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2)PAKNIKAR, Shashikumar

(57) Abstract :

The invention relates to a process for the preparation of a hydroquinone compound of formula (I) wherein R2, R3, R5 and R6 have the meaning according to claim 1, with the steps of formylating a substituted phenol and oxidising the resulting substituted 4-hydroxy-benzaldehyde under acidic conditions to the corresponding hydroquinone of formula (I). Another object of the invention concerns the intermediate 2,3,5-trimethyl-4-hydroxy- benzaldehyde for synthesis of 2,3,5-trimethyl-hydroquinone (TMHQ) and (dl)cc-tocopherol.

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

(54) Title of the invention : HIGH-STRENGTH HOT-ROLLED STEEL SHEET HAVING EXCELLENT FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification:C22C38/14,C22C38/54,C21D8/02

(31) Priority Document No :2010-145378

(32) Priority Date :25/06/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/065134
Filing Date :24/06/2011

(87) International Publication No :WO 2011/162418

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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3)Yoshimasa FUNAKAWA

4)Noriaki MORIYASU

5)Takayuki MURATA

(57) Abstract :

Provided is a high-tension/hot-rolled steel sheet which has both strength and workability (stretch flangeability). The high-tension/hot-rolled steel sheet has: a composition comprising, by mass%, 0.005% to 0.050% of C, 0.2% or less of Si, 0.8% or less of Mn, 0.025% or less of P, 0.01% or less of S, 0.01% or less of N, 0.06% or less of Al, and 0.05% to 0.10% of Ti such that S, N, and Ti satisfy $Ti \geq 0.04 + (N/14 \times 48 + S/32 \times 48)$, and with Fe and inevitable impurities as the balance; a matrix in which the ferrite phase is 95% or more by surface area percentage with respect to the overall structure; a structure in which carbide microparticles comprising Ti and having an average grain size of less than 10 nm are dispersed and precipitated, and the volume ratio of the carbide microparticles with respect to the overall structure is 0.0007 or greater; a tensile strength of 590 MPa or greater; and excellent workability.

No. of Pages : 51 No. of Claims : 10

(54) Title of the invention : CONTROL DEVICE FOR USE IN VEHICLE, ADAPTED TO CONTROL SAFETY MEASURES AGAINST ELECTRIC POWER SUPPLY FAILURE

(51) International classification :F16H61/12,B60T1/06,F16H61/28
 (31) Priority Document No :2010-112961
 (32) Priority Date :17/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/059705
 Filing Date :20/04/2011
 (87) International Publication No :WO 2011/145423
 (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)Hidemitsu NAKAGAWARA
2)Hisahiro NABESHIMA

(57) Abstract :

A control device for use in a vehicle, the control device being adapted to control safety measures against an electric power supply failure. The control device is configured so that, in a first phase in which the voltage is higher than or equal to 10.5 V, even if the vehicle has an electric power supply failure in which electricity charging is not possible, the braking force is assisted normally and the vehicle can be stopped safely in such a manner that the speed of the vehicle is limited to an upper limit speed corresponding to the voltage, the upper limit speed being that which enables the vehicle to be stopped as usual by the assistance. The control device is configured also so that, in second to fourth phases in which the voltage is lower than 10.5 V, the vehicle is stopped by forcibly reducing, for safety, the speed of the vehicle by drive force cut-off by which the drive force is reduced to zero. In the fourth phase in which the voltage drops to a level to immediately before a level at which the parking lock device cannot be activated, the speed of the vehicle is almost zero, and a parking lock mechanism is operated to set wheels to a parking lock state. This means that the parking lock has been completed when the voltage drops to the level at which the parking lock cannot be activated, and as a result, the situation where the vehicle cannot be parked due to a power supply failure can be prevented.

No. of Pages : 40 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3902/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE COLLISION PROTECTION APPARATUS

(51) International classification	:B62D21/15
(31) Priority Document No	:2010-112960
(32) Priority Date	:17/05/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2011/000913
Filing Date	:28/04/2011
(87) International Publication No	:WO 2011/144976
(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)Hiroshi OYAMA
2)Junichi SHIMADA
3)Mikito SAWAKI

(57) Abstract :

A vehicle collision protection apparatus comprises a bracket. The bracket includes a deflecting force generating component provided at a rear end of the bracket. The bracket is disposed in a vehicle front space of a vehicle and configured to extend in a front to rear direction of the vehicle and attach a vehicle component to a body of the vehicle. The deflecting force generating component is configured to deflect the rear end of the bracket in a width direction of the vehicle and rotate the bracket together with the vehicle component in the width direction when the deflecting force generating component impinges against a portion of the vehicle body as the rear end of the bracket is displaced in a rearward direction of the vehicle due to crushing of a front end of the vehicle during a collision at the front end of the vehicle.

No. of Pages : 28 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3553/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : ANNEALING INSTALLATION WITH M-SHAPED STRIP TREATMENT TUNNEL

(51) International classification :C21D9/56,C21D9/573,F27B9/28
(31) Priority Document No :2004883
(32) Priority Date :14/06/2010
(33) Name of priority country :Netherlands
(86) International Application No :PCT/NL2011/050364
Filing Date :26/05/2011
(87) International Publication No :WO 2011/159149
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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ROTTERDAM THE NETHERLANDS
(72)Name of Inventor :
1)RUTER, LEO ANTONIUS

(57) Abstract :

An annealing installation for the continuous annealing of metal strip guided through the installation comprising an entrance chute 2, a first top roller chamber 3, a heating station 4, 5, 6, a cooling station 7, 8, a second top roller chamber 9 and a discharge chute 10 together delimiting an M-shaped meandering tunnel with four legs connected with each other via the two top roller chambers and a lower turning section. The entrance chute extends along the first one of the legs, the heating and the cooling stations extend along the second one of the legs the lower turning section and the third one of the legs, and the discharge chute extends along the fourth one of the legs. Strip feeding and discharging means are provided for continuously guiding the strip as a free hanging-loop between the two top roller chambers through the heating and cooling stations during a process of annealing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3912/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VACCINE AND METHODS TO REDUCE CAMPYLOBACTER INFECTION

(51) International classification :A61K 48/00

(31) Priority Document No :61/353,039

(32) Priority Date :09/06/2010

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

(86) International Application No :PCT/US2011/039832

Filing Date :09/06/2011

(87) International Publication No :WO 2011/156619

(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)HARGIS, Billy

2)PUMFORD, Neil, R.

3)KWON, Young, Min

4)LAYTON, Sherryll

(57) Abstract :

Vaccine vectors and methods for enhancing resistance to Campylobacter infection or for enhancing the immune response to Campylobacter are provided herein. The vaccine vectors include a first polynucleotide which encodes an antigenic polypeptide selected from SEQ ID NO:7-9 or a fragment thereof. The vector may also include an immunostimulatory polypeptide. The methods include administering the vaccine vectors to a subject.

No. of Pages : 43 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3913/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE TERMINAL APPARATUS AND WIRELESS COMMUNICATION METHOD

(51) International classification :H04W28/04,H04B1/707,H04J11/00
(31) Priority Document No :2010-141020
(32) Priority Date :21/06/2010
(33) Name of priority country:Japan
(86) International Application No :PCT/JP2011/064127
Filing Date :21/06/2011
(87) International Publication No :WO 2011/162235
(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)KISHIYAMA, Yoshihisa
2)MIKI, Nobuhiko

(57) Abstract :

Provided are a mobile terminal apparatus and a wireless communication method whereby feedback control information can be efficiently transmitted over a physical uplink control channel. The mobile terminal apparatus receives downlink shared data channels in parallel via a plurality of CCs; determines ACK/NACK/DTX for the downlink shared data channel signals; encodes the determination results (states) of the plurality of CCs in the mass after reducing a number of states that allows communications to be performed individually; performs a signal processing such that the encoded data are orthogonalized between the users; and transmits the signals as processed.

No. of Pages : 57 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3914/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BASE STATION APPARATUS AND COMMUNICATION CONTROL METHOD

(51) International classification	:H04W72/04,H04W28/06	(71)Name of Applicant :
(31) Priority Document No	:2010-141018	1)NTT DOCOMO, INC.
(32) Priority Date	:21/06/2010	Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-ku,
(33) Name of priority country	:Japan	Tokyo 1006150 JAPAN
(86) International Application No	:PCT/JP2011/063605	(72)Name of Inventor :
Filing Date	:14/06/2011	1)MIKI, Nobuhiko
(87) International Publication No	:WO 2011/162131	2)ABE, Tetsushi
(61) Patent of Addition to Application	:NA	3)TAKEDA, Kazuaki
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention is directed to improvement of the data rate by reducing radio resources, which are to be allocated to PDCCH, even in case of gathering a plurality of component carriers to broaden the band. There are included downstream control information generating units (306) each for generating downlink control information (DCI) that is to be transmitted for the respective one of a plurality of component carriers (CC) allocated to user terminals and that is to be used for demodulating PDSCH; and a transmitting unit for transmitting the PDCCH including the downlink control information (DCI). The downstream control information generating unit (306) generates the downlink control information (DCI) which is to be used for demodulating a plurality of PDSCHes allocated to two or more component carriers and to which ID information (CIF) allowing those two or more component carriers to be identified has been added.

No. of Pages : 80 No. of Claims : 10

(54) Title of the invention : USER EQUIPMENT AND CHANNEL STATUS INFORMATION FEEDBACK METHOD

(51) International classification :H04W24/10,H04W16/28
 (31) Priority Document No :201010204762.5
 (32) Priority Date :17/06/2010
 (33) Name of priority country :China
 (86) International Application No :PCT/JP2011/063956
 Filing Date :17/06/2011
 (87) International Publication No :WO 2011/158943
 (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)NAGATA, Satoshi
2)KISHIYAMA, Yoshihisa
3)YUN, Xiang
4)ZHU, Jianchi
5)SHE, Xiaoming
6)CHEN, Lan

(57) Abstract :

Disclosed is a user equipment and channel status information feedback method. The channel status information feedback method, which is employed in a Coordinated Multi-Point System, comprises the steps of: acquiring small-scale channel status information ($H=H_1, H_2 \dots H_k$) between the user equipment and all base stations active in coordination; acquiring large scale channel status information (I , where $i = 1 \dots K$) between the user equipment and each base station active in coordination; acquiring CQI (where $CQI_i = I_i - |H'|$, $i = 1 \dots K$) between the user equipment and each base station active in coordination, on the basis of the small-scale channel status information and the large-scale channel status information; using the acquired CQI to update a source code book (C) and acquiring the post-update code book (1); using the post-update code book to carry out a quantization process and acquire CDI; and sending feedback of CDI and CQI corresponding to each base station active in coordination to the base station, and participating in channel rebuilding by the base station. Rates of utilization of feedback information are improved by the present disclosure.

No. of Pages : 48 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3810/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRICALLY INSULATING CAGE NUT

(51) International classification	:F16B37/04
(31) Priority Document No	:20 2010 006 746.4
(32) Priority Date	:12/05/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/050013
Filing Date	:05/05/2011
(87) International Publication No	:WO 2011/141020
(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)OBERNDÖRFER, Siegfried
2)GRAEF, Detlef

(57) Abstract :

An electrically insulating cage nut (10) having a nut body (12) which is held in a cage (14), in which the nut body (12) has a cylindrical attachment (16) and a broadened holding element (18), and the cylindrical attachment (16) has an internal thread (20) and extends through an opening (22) in the cage (14) to the outside wherein the internal diameter of the opening (22) is substantially larger than the external diameter of the cylindrical attachment (16), but is smaller than the external size of the holding element (18), and an insulator apparatus (24) is arranged between the cage (14) and cylindrical attachment (16), wherein the insulator apparatus (24) is formed integrally and in consequence the cage nut (10) consists of only three components (12,14,24).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3811/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : VALVE ASSEMBLY AND METHOD OF USING SAME

(51) International classification :F16K3/04,F16K31/04,F16K21/12

(31) Priority Document No :61/334,915

(32) Priority Date :14/05/2010

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

(86) International Application No :PCT/US2011/036498

Filing Date :13/05/2011

(87) International Publication No :WO 2011/143598

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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3)CARLSON, Darin

4)RAYMOND, Frank

(57) Abstract :

A valve and method for use is provided. The valve has a valve body having an outer perimeter and an inner perimeter defining a flow path therethrough. The valve has a closure member within the inner perimeter configured to selectively close and open the flow path. The valve has a valve seat located at least partially within the inner perimeter and configured to engage a portion of the closure member when the closure member is in a closed position. The valve has a stem configured to support the closure member within the flow path wherein a portion of the stem has an actuator offset. The valve has a bearing pedestal configured to support the stem. The valve has a closure member-stem connector configured to rotationally couple the closure member to the stem while allowing the closure member to move relative to the stem along a longitudinal axis of the stem.

No. of Pages : 35 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3813/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SERUM-FREE CHEMICALLY DEFINED CELL CULTURE MEDIUM

(51) International classification :C12N5/00
(31) Priority Document No :61/397,847
(32) Priority Date :17/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001088
Filing Date :16/06/2011
(87) International Publication No :WO 2011/159359
(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)ZHU, Yanan

(57) Abstract :

Embodiments of chemically defined cell culture media containing nutrients and growth factors free of any serum for culturing cells such as mesenchymal stem cells and methods of using embodiments of the cell culture medium for expanding cell populations such as mesenchymal stem cells while maintaining a pluripotent phenotype and methods of inducing chondrogenesis and osteogenesis of mesenchymal stem cells by admixing differentiation factors into embodiments of the cell culture medium.

No. of Pages : 46 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3815/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : TOPICAL OPHTHALMIC SUSPENSIONS CONTAINING TOBRAMYCIN AND DEXAMETHASONE

(51) International classification :A61K9/00,A61K47/02,A61K47/36
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2010/039618
Filing Date :23/06/2010
(87) International Publication No :WO 2011/162752
(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)KABRA, Bhagwati, P.

(57) Abstract :

Ophthalmic pharmaceutical compositions containing tobramycin, dexamethasone and deacetylated xanthan gum are described. The compositions provide longer ocular retention for enhanced ocular bioavailability of tobramycin and dexamethasone. In a preferred embodiment the compositions also provide for improved suspension of dexamethasone. The concentration of ionizable species in the compositions is controlled so as to prevent precipitation of the xanthan gum as a result of ionic interactions between tobramycin and xanthan gum while allowing for a restoration of viscosity upon topical application of the compositions to the eye. The use of deacetylated xanthan gum is disclosed so as to avoid formulation instability caused by pH drift during storage.

No. of Pages : 35 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3816/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR INTEGRATING CATARACT SURGERY WITH GLAUCOMA OR ASTIGMATISM SURGERY

(51) International classification :A61F9/008,A61N5/067
(31) Priority Document No :12/823,072
(32) Priority Date :24/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041677
Filing Date :23/06/2011
(87) International Publication No :WO 2011/163508
(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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92656 United States of America
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1)KURTZ, Ronald, M.
2)JUHASZ, Tibor

(57) Abstract :

A method for integrated eye surgery can include determining a cataract-target region in a lens of the eye; applying cataract-laser pulses to photodisrupt a portion of the determined cataract-target region; determining a glaucoma- target region or an astigmatism-target region in a peripheral region of the eye; and applying surgical laser pulses to create one or more incisions in the glaucoma- or astigmatism-target region by photodisruption; wherein the steps of the method are performed within an integrated surgical procedure. The laser pulses can be applied before making an incision on a cornea of the eye. The integrated surgical procedure may involve using the same pulsed laser source for three functions: for photodisrupting the target region, for making an incision on the capsule of the lens and for making an incision on the cornea of the eye.

No. of Pages : 91 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3469/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : LEAD THROUGH FOR DIGESTION TANK

(51) International classification :B01F15/00,A01C3/02,B01F7/16
(31) Priority Document No :1050408-2
(32) Priority Date :26/04/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050334
Filing Date :24/03/2011
(87) International Publication No:WO 2011/136715
(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)SELENIUS,Per

(57) Abstract :

The invention relates to a lead through for fluid tight connection of a mixer assembly to a roof of a fluid housing digestion tank, comprising a first element (12), which presents a central opening and an axially extending centre axis, and a second element (13), which presents a central opening and an axially extending centre axis, the extension of the centre axis of the second element (13) being adjustable in relation to the extension of the centre axis of the first element (12). According to the invention the lead through comprises a means for making an interface fluid tight located at the interface between the first element (12) and the second element (13), at least three positioning members being arranged to determine the mutual positions of the first element (12) and the second element (13) in the axial direction, at least two of said positioning members being constituted by mutually independent adjustment members (24), which in relation to said fluid housing tank (1) are located on the opposite side of said means for making an interface fluid tight.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3940/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INLET CONNECTOR

(51) International classification :F02M55/00,F02M55/02,F02M63/00
(31) Priority Document No :A 1035/2010
(32) Priority Date :22/06/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2011/000272
Filing Date :21/06/2011
(87) International Publication No :WO 2011/160148
(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)GRASPEUNTNER, Christian

(57) Abstract :

For an inlet connector (4) for connecting at least one high pressure line of a common rail injection system to an inlet bore (6) of a fuel injector, a pressure pipe (7), which can be connected to the inlet bore (6), and a housing (8), which has a connection for the at least one high pressure line, are connected to each other so as to form a sliding seat.

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

(54) Title of the invention : STRETCH-BEND LEVELER

(51) International classification :B21D1/05
 (31) Priority Document No :10 2010 024 714.6
 (32) Priority Date :23/06/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/060394
 Filing Date :22/06/2011
 (87) International Publication No :WO 2011/161134
 (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 invention relates to a method and stretch bending straightener for straightening metal strips (1) by stretch bending comprising a plurality of straightening rolls (5a,6a,7a,8a) which are arranged behind one another in the strip flow direction (D) and spaced from one another in the strip flow direction (D), wherein the strip (1) subject to tensile stress below the limit of elasticity is alternately bent around the straightening rolls (5a,6a,7a,8a) undergoing plastic elongation, wherein a deflecting roll (5b,6b,7b) is arranged upstream of one or more straightening rolls (5a,6a,7a) respectively, wherein said straightening rolls can be adjusted relative to the strip (1) and wherein said deflecting roll has a larger diameter than the respective downstream straightening roll. Said method and said system are characterized in that, in order to vary the immersion depth, the straightening rolls (5a, 6a,7a) can be adjusted relative to the associated deflecting roll (5b,6b,7a) such that the free strip length (F) between the run off point (9) of the strip (1) from the deflecting roll to the run on point (10) of the strip (1) onto the associated straightening roll does not exceed a predefined maximum value, above which longitudinal undulations of the strip form. The system is preferably designed such that, as the immersion depth and/or the angle of contact are varied, the free strip length never exceeds the maximum value over the entire adjusting range.

No. of Pages : 33 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3943/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HIGH-STRENGTH, COLD-FORMABLE STEEL AND FLAT STEEL PRODUCT MADE FROM SUCH A STEEL

(51) International classification :C22C38/04,C22C38/06,C22C38/24
(31) Priority Document No :10168353.0
(32) Priority Date :02/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061154
Filing Date :01/07/2011
(87) International Publication No :WO 2012/001163
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)HOFMANN, Harald
4)HÖCKLING, Christian
5)SCHIRMER, Matthias
6)THOMAS, Ingo

(57) Abstract :

The invention relates to a higher-strength, cold formable steel and to a steel sheet product produced from such a steel, in which an optimal combination of weldability and a low tendency toward delayed cracking as well as good strength and hot, and cold formability are assured. In order to achieve this, a steel according to the invention contains (in % by weight) C: 0,1-1,0% Mn: 10-25% Si: up to 0.5% Al: 0.3-2%, Cr: 1.5 3.5%, S: <0.03%, P: <0.08%, N: <0.1%, Mo: <2%, B: <0.01%, Ni: <8%, Cu: <5%, Ca: up to 0.015%, at least one element from the V, Nb group provided that: Nb: 0.01 0.5%, V: 0.01 0.5% and optionally Ti: 0.01 0.5%, and remainder being iron and unavoidable manufacturing related- impurities.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3775/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : WIRELESS RELAY STATION DEVICE, AND MOBILE TERMINAL DEVICE

(51) International classification :H04W16/26,H04B7/15,H04W52/18
(31) Priority Document No :2010-140338
(32) Priority Date :21/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063743
Filing Date :15/06/2011
(87) International Publication No :WO 2011/162144
(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 :

Provided are a wireless relay station device and a mobile terminal device such that the amount of interference from a wireless relay station device is reduced and the throughput is increased even when a wireless relay station device is installed. Specifically provided is a wireless relay station device either for determining the number of mobile terminal devices under the cell thereof and for controlling the transmission power on the basis of the aforementioned number of mobile terminal devices, or for measuring the receiving power of the signals from another wireless relay station device or a wireless base station device and for controlling the transmission power on the basis of the aforementioned receiving power.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3931/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PRODUCING (1R, 2S)-1-AMINO-2-VINYL CYCLOPROPANE CARBOXYLIC ACID ESTER THAT HAS IMPROVED OPTICAL PURITY

(51) International classification :C07C227/42,C07B57/00,C07C229/48
(31) Priority Document No :2010-136377
(32) Priority Date :15/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063181
Filing Date :08/06/2011
(87) International Publication No :WO 2011/158720
(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)TANAKA, Tatsuyoshi
2)NISHIYAMA, Akira

(57) Abstract :

Disclosed is a method for efficiently producing a (1R, 2S)-1-amino-2-vinyl cyclopropane carboxylic acid ester, which is useful as a pharmaceutical intermediate, at low cost. Specifically, a (1R, 2S)-1-amino-2-vinyl cyclopropane carboxylic acid ester derivative that has improved optical purity is produced by forming a salt from an optically active carboxylic acid and a-1-amino-2-vinyl cyclopropane carboxylic acid ester in a racemic form or having a low optical purity and then precipitating the salt in a solid form from the solvent.

No. of Pages : 29 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3936/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR GROWING MICROALGAE IN AN EXPANDING PLUG FLOW REACTOR

(51) International classification	:A01G7/00
(31) Priority Document No	:12/821,943
(32) Priority Date	:23/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/041105
Filing Date	:20/06/2011
(87) International Publication No	:WO 2011/163142
(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)HAZLEBECK, David, A.
2)WU, Xiaoxi

(57) Abstract :

A method and system are provided for supporting the growth of algae cells. In the method, an inoculum of algae cells are grown in a closed bioreactor. Thereafter, the inoculum of algae cells is passed into an open system. Specifically, the inoculum is passed into an expanding plug flow reactor (EPFR) having an increasing width from its first to its second end. Further, medium is introduced into the EPFR to maintain a selected shallow depth. Importantly, the medium provides sufficient nutrients to support logarithmic growth of the algae cells to maintain a high concentration of algae cells, i.e., at least 0.5 grams per liter of medium, in the EPFR. After the desired level of growth is reached, the algae cells are transferred to a standard plug flow reactor wherein oil production is activated in the algae cells.

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

(54) Title of the invention : MITIGATING LEAKS IN PRODUCTION TUBULARS

(51) International classification :E21B33/12,E21B23/06,E21B43/14
 (31) Priority Document No :12/827,794
 (32) Priority Date :30/06/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/040153
 Filing Date :13/06/2011
 (87) International Publication No :WO 2012/005874
 (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)MEBRATU, Amare, A.

(57) Abstract :

A well system can include a generally tubular production string extending to a surface location. A production packer seals off an annulus external to the production string. A swellable packer is interconnected in the production string between the production packer and the surface location. A method of mitigating a leak in a generally tubular production string can include interconnecting a swellable packer in the production string, and the swellable packer swelling, and thereby increasingly restricting flow through an annulus surrounding the production string, in response to fluid leakage through a sidewall of the production string. Another method can include interconnecting a swellable packer in the production string, and the swellable packer swelling, and thereby increasingly restricting flow through an annulus surrounding the production string, in response to a flow of hydrocarbons into the annulus from an interior of the production string.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3823/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CODED INFORMATION SYSTEMS

(51) International classification	:G06K19/06
(31) Priority Document No	:1009774.9
(32) Priority Date	:11/06/2010
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2011/000880
Filing Date	:10/06/2011
(87) International Publication No	:WO 2011/154709
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)RNIB

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(72)Name of Inventor :

1)ROBINSON, Duncan

(57) Abstract :

A code is applied to a part of the retail item or its packaging/label. The code is applied in a repeat pattern. The code is presented in an optical machine-readable format. Code markers are arranged at pre-defined positions within a matrix. An optical machine-readable orientation device indicates the correct orientation of the matrix, so that the position of the code markers within the correctly orientated matrix corresponds to a pre-defined sequence of code integers. The code corresponds to an existing barcode number for the retail item. The code is presented in a manner discreet enough to be part of the printed design of a label or packaging for the retail item, without changing the overall appearance of the printed design.

No. of Pages : 43 No. of Claims : 75

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3824/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BIMODAL POLYETHYLENE COMPOSITION FOR INJECTION MOULDED ARTICLES

(51) International classification :C08L23/04,C08L23/06,C08F297/08
(31) Priority Document No :10167618.7
(32) Priority Date :29/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/060763
Filing Date :28/06/2011
(87) International Publication No :WO 2012/000958
(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)KULSHRESHTHA, Bhawna

2)MONNISSEN, Luc

3)BLAYAC, Laurent

(57) Abstract :

Bimodal high density polyethylene composition for producing moulded articles comprising -an ethylene homopolymer or an ethylene alpha-olefin copolymer which is a bimodal high density polymer (COMPONENTA) in combination with -an alphanucleating agent (COMPONENTB), -a slip agent being a primary fatty acid amide, (COMPONENTC) and -one or more additives selected from antioxidants, acid scavengers, pigments and UV-stabilisers (COMPONENTD), the composition showing an increased crystallisation temperature and a decreased coefficient of friction compared to a bimodal HDPE composition prepared with the sole use of nucleating agent and compared to the sole use of a slip agent; and its use for producing injection moulded articles, especially caps and closures.

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3825/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GLUCAGON ANALOGUES

(51) International classification :C07K14/605,A61K38/26,A61P5/48
(31) Priority Document No :PA 2010 00550
(32) Priority Date :23/06/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/000067
Filing Date :23/06/2011
(87) International Publication No :WO 2011/160630
(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)MEIER, Eddi
2)RIBER, Ditte
3)DAUGAARD, Jens, Rosengren
4)SKOVGAARD, Marie

(57) Abstract :

The invention provides materials and methods for promoting weight loss or preventing weight gain without affecting glycemic control. In particular, the invention provides novel glucagon analogue peptides effective in such methods. The peptides may mediate their effect by having increased selectivity for the GLP-1 receptor as compared to human glucagon.

No. of Pages : 39 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3826/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPLANT SYSTEM

(51) International classification	:A61C8/00
(31) Priority Document No	:10007280.0
(32) Priority Date	:14/07/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/003323
Filing Date	:05/07/2011
(87) International Publication No	:WO 2012/007118
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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SWITZERLAND

(72)Name of Inventor :

1)JÖRNEUS Lars

2)PETERSSON Henrik

(57) Abstract :

The present invention relates to a dental implant (20), comprising: a tapered body (32); a longitudinal axis (L2); a distal end (24); an open proximal end (22); implant retaining means (38) provided on an external portion of said body, the implant retaining means comprising at least one thread (38), wherein at least one groove (50) is located on the face (58) of the thread(s) at a proximal portion (26) of the dental implant.; a collar (36) which optionally is provided with at least one groove (46); an internal bore (66) provided within a portion of said body, said internal bore having a proximal end at the open proximal end of said body and a distal end (72); a first portion (68) of said internal bore comprising an internally facing sloping surface (80) having a proximal end and a distal end, said sloping surface extending from near the proximal end of said internal bore toward the distal end of said internal bore, said surface being formed with a sloping path inwardly toward its distal end at an angle of about 8 degrees to about degrees relative to said longitudinal axis when the implant is seen from the side; a second portion of said internal bore comprising an internally facing drive region (69) positioned between the distal end of said surface (80) and the distal end of said internal bore, the internally facing drive region having a plurality of concave lobes (74) which extend partially up into the internally facing sloping surface (80); and a third portion of said internal bore comprising an internally threaded region (70) positioned between said internally facing drive region and the distal end of said internal bore, wherein a ratio (L:D) of the length of the lobes (74) to the implants diameter is at least 0.4, preferably at least 0.45, for example 0.52. The invention also relates to the combination of an internal connection implant and a complementary abutment, and to an abutment.

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3831/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOULD MADE OF A COMPOSITE MATERIAL, AS WELL AS MASTER AND PROCESS FOR ITS MANUFACTURING

(51) International classification :B29C70/48,B29C70/30,B29C70/72
(31) Priority Document No :MI2010A001072
(32) Priority Date :14/06/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/052567
Filing Date :14/06/2011
(87) International Publication No :WO 2011/158172
(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)MASINI, Attilio
2)PASINI, Nicol²
3)DE SARIO, Luigi
4)STEENBERGEN, Casper

(57) Abstract :

Mould (16, 36) for manufacturing products (1) made of composite materials, which comprises at least one functional portion (24, 41) made of a composite material joined to at least one interface (16a, 36a) made of a composite material which projects at least partially around the functional portion (24, 41), said mould (16, 36) being provided with one or more mechanic fastening devices (20, 34, 37, 48, 55) for the coupling with at least another mould (16, 36) and being made up of a plurality of layers (17, 18, 19, 21, 22) of fibers, in particular carbon fibers, pre-impregnated with a resin. The present invention also relates to a master and a process which can be employed for manufacturing this mould.

No. of Pages : 30 No. of Claims : 36

(54) Title of the invention : INTER-BASE STATION COOPERATIVE MIMO TRANSMISSION METHOD, AND BASE STATION DEVICE

(51) International classification :H04W16/28,H04B7/04,H04J99/00
(31) Priority Document No :2010-132353
(32) Priority Date :09/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/062983
Filing Date :06/06/2011
(87) International Publication No :WO 2011/155467
(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)ABE, Tetsushi
2)HIGUCHI, Kenichi

(57) Abstract :

The present invention inhibits a reduction in the transmission capacity from a mobile station device to all cooperating base stations even if there is no channel status information (CSI) feedback. The inter-base station cooperative MIMO transmission method is characterised in that: in response to the presence or lack of CSI being fed back from a plurality of mobile station devices (MS(MS1,MS2)), a base station device (BS2) assesses a cooperative mobile station device (MS2) which cooperates with another base station device (BS1) and transmits a signal, and an uncooperative mobile station device (MS1) which transmits a signal from the specified base station device (BS1); and a precoding weight is generated for the signals transmitted by the cooperative and uncooperative mobile station devices (MS) on the basis of the abovementioned CSI.

No. of Pages : 53 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3834/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TOUCH PERCEPTION SENSITISING GLOVE

(51) International classification	:A61B10/00
(31) Priority Document No	:2010-195328
(32) Priority Date	:01/09/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/066191
Filing Date	:15/07/2011
(87) International Publication No	:WO 2012/029419
(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)YOKOI, Hiroyuki

(57) Abstract :

[Problem] To provide a touch perception sensitising glove with which an examination by means of palpation can be smoothly and precisely carried out, and which enables a fingertip to be moved smoothly across a wide area without influencing minute touch perception. [Solution] This touch perception sensitising glove (1) detects the minute irregularities of an object being examined, via a sensitising layer (2), by means of a hand inserted between the sensitising layer (2) and an external cover (3); therein, the sensitising layer (2) is provided with a first film (10) which comes into contact with the object being examined, a second film (12) which is laminated on the first film (10), and an air induction opening (14) which introduces air between the first film (10) and the second film (12) and which enables the second film (12) to slide relative to the first film (10); the external cover (3) or the sensitising layer (2) is provided with a stopper (20) which positions a fingertip of a hand, being inserted between the sensitising layer (2) and the external cover (3), on the inner side of the peripheral edge of the sensitising layer (2).

No. of Pages : 45 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3835/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NASAL AEROSOL DELIVERY SYSTEM

(51) International classification :A61M15/08
(31) Priority Document No :61/351,745
(32) Priority Date :04/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039020
Filing Date :03/06/2011
(87) International Publication No :WO 2011/153406
(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)BARRY, James, J.

3)BAGLEY, Mark, C.

4)FRIETS, Eric, M.

5)KNAUS, Darin, A.

(57) Abstract :

A nasal delivery device (10) can include a nasal prong (14) and an activation member (22). The nasal prong comprises opening (16) at a top and bottom portion of the prong to allow for the passage of an aerosolized treatment agent through the nasal prong. The activation member can be positioned on the nasal delivery device at a location that is spaced apart from the subjects oral cavity when the nasal prong is received into the nostril of the subject. The activation member can be configured to detect a desired exhalation state of the subject and upon detection of the desired exhalation state, the activation member activates the delivery of the aerosolized treatment agent.

No. of Pages : 70 No. of Claims : 72

(54) Title of the invention : END FACE STRUCTURE OF REINFORCED HOSE AND METHOD FOR TREATING END FACE OF HOSE, AND COATING CAP

(51) International classification	:F16L11/08	(71)Name of Applicant :
(31) Priority Document No	:2010-159102	1)TOYOX CO., LTD.
(32) Priority Date	:13/07/2010	Address of Applicant :4371, Maezawa, Kurobe-shi, Toyama
(33) Name of priority country	:Japan	9388585 JAPAN
(86) International Application No	:PCT/JP2011/065667	(72)Name of Inventor :
Filing Date	:08/07/2011	1)MIURA Yoshihiro
(87) International Publication No	:WO 2012/008371	2)FUJIMORI Hiroshi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is an end face structure of a reinforced hose, wherein a coating treatment for preventing a coating cap from being separated from the cut surface of a hose, can be easily performed. A gap between the inner peripheral surface (1d) of a reinforced hose (1) and the inner end face (2c) of a ring portion (2a) is hermetically sealed by a sealing member (3), and continuous passages (4) which communicate with each other, are defined between the cut surface (1b) of the reinforced hose (1) and the ring portion (2a) and between the outer peripheral surface (1c) of the reinforced hose (1) and a sleeve portion (2b). The passages (4) are filled with an adhesive agent (5), so that the cut surface (1b) of the reinforced hose (1) is tightly attached to the ring portion (2a) by the adhesive agent (5), and the outer peripheral surface (1c) of the reinforced hose (1) is tightly attached to the sleeve portion (2b) by the adhesive agent (5). Thus, the ring portion (2a) and the sleeve portion (2b) of the coating cap (2) are integral with the cut surface (1b) and the outer peripheral surface (1c) of the reinforced hose (1).

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

(54) Title of the invention : BASE STATION DEVICE, MOBILE TERMINAL DEVICE, AND COMMUNICATION CONTROL METHOD

(51) International classification :H04W4/06,H04W24/10,H04W88/02
 (31) Priority Document No :2010-141017
 (32) Priority Date :21/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/063400
 Filing Date :10/06/2011
 (87) International Publication No :WO 2011/162112
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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3)OHWATARI, Yusuke

(57) Abstract :

Disclosed are a base station device, a mobile terminal device, and a communication control method whereby a CSI-RS disposal configuration can be selected flexibly in accordance with the system mode. The base station device is provided with a CSI-RS disposal unit (211), an identification-information generation unit (212), and a transmission/reception unit (203). When broadcasting CSI-RS position information to the mobile terminal device (10), the CSI-RS disposal unit (211) disposes CSI-RSs in a resource allocated for broadcast use, and when having the mobile terminal device (10) acquire the CSI-RS position information on the basis of the cell ID of the current cell, the CSI-RS disposal unit (211) disposes CSI-RSs in a resource associated with that cell ID. The identification-information generation unit (212) generates an identification bit that identifies whether the CSI-RSs are disposed in the resource allocated for broadcast use or the resource associated with the cell ID. The transmission/reception unit (203) sends said identification information to the mobile terminal device.

No. of Pages : 63 No. of Claims : 17

(54) Title of the invention : ROTARY ENCODER, ROTARY MOTOR AND ROTARY MOTOR SYSTEM

(51) International classification :G01D5/38,G01D5/347
 (31) Priority Document No :2010-124762
 (32) Priority Date :31/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/051198
 Filing Date :24/01/2011
 (87) International Publication No :WO 2011/152076
 (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)YAMAGUCHI, Yosuke**2)YOSHIDA, Yasushi****3)YOSHIDOMI, Shirou**

(57) Abstract :

Provided are a rotary encoder, a rotary motor and a rotary motor system in which the origin of a position can be detected with improved detection precision by utilising diffraction interference light, and in which reduction in size and manufacturing etc. are facilitated. An encoder comprises: a circular plate-shaped disk (110) which is rotatably arranged about an axis of rotation, which has one ring shaped track (TC) having rotary gratings respectively formed therein, and which has one or more origin detection regions (h) formed in a section thereof; and a mask which is arranged in fixed manner facing the disk (110) and has one or more fixed gratings formed therein so as to construct a diffraction interference light system with the rotary gratings. A plurality of slits (SLA,SLB) included in at least one of the rotary gratings is formed along curved lines that are formed by bending a plurality of radial lines which are centred about the axis of rotation, in the circumferential direction with a prescribed degree of curvature; the slits (SLA,SLB) are formed in such a way that the pitches (pLA,pLB) of the slits (SLA,SLB) can be set to prescribed values.

No. of Pages : 76 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3904/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GLUCAGON ANALOGUES

(51) International classification :C07K14/605,A61K38/26,A61P5/48
(31) Priority Document No :PA 2010 00558
(32) Priority Date :24/06/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/000072
Filing Date :24/06/2011
(87) International Publication No :WO 2011/160633
(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)RIBER Ditte
2)MEIER Eddi

(57) Abstract :

The invention provides materials and methods for promoting weight loss or preventing weight gain and for treating diabetes and associated metabolic disorders. In particular, the invention provides novel glucagon analogue peptide compounds effective in such methods. The compounds may mediate their effect by having, for example, increased selectivity for the GLP-1 receptor compared to human glucagon.

No. of Pages : 77 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3976/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : EAR CANDLE

(51) International classification	:C11C5/00,A61F11/00
(31) Priority Document No	:10190810.1
(32) Priority Date	:11/11/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/069683
Filing Date	:08/11/2011
(87) International Publication No	:WO 2012/062774
(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)LESCHIK, Udo

(57) Abstract :

Ear candle with an air-permeable retaining member disposed at least partially within the ear candle, wherein the retaining member comprises a wall and an interior space, wherein at least two lamellas directed into the interior space are disposed on the wall, wherein the at least two lamellas are disposed opposite from each other in the interior space, and wherein the at least two lamellas are configured so as to overlap in the axial direction.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3977/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BASE STATION, MOBILE STATION, MEASUREMENT RESULT INFORMATION CONTROL METHOD

(51) International classification :H04W16/28,H04W72/08
(31) Priority Document No :2010-141081
(32) Priority Date :21/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063618
Filing Date :14/06/2011
(87) International Publication No :WO 2011/162134
(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)SAGAE, Yuta
2)IWAMURA, Mikio
3)YAGYU, Kengo
4)ISHII, Hiroyuki
5)NAKAMORI, Takeshi

(57) Abstract :

A base station which uses a plurality of component carriers to perform communications, comprises: a measurement result receiving unit that receives, from each of a plurality of mobile stations, a measurement result of reception environment; a determining unit that determines, based on the received measurement result, whether or not a change will occur in a primary or subsidiary cell allocated to the mobile station; and an initializing unit that initializes information including the measurement result of reception environment acquired from the mobile station of the component carrier corresponding to the primary or subsidiary cell where a change will occur.

No. of Pages : 43 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3978/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF DRONEDARONE

(51) International classification :C07D307/82
(31) Priority Document No :P1000386
(32) Priority Date :22/07/2010
(33) Name of priority country :Hungary
(86) International Application No :PCT/HU2011/000067
Filing Date :13/07/2011
(87) International Publication No :WO 2012/010913
(61) 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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France

(72)Name of Inventor :

1)FRIESZ, Antal

2)HUSZÁR, Csaba

(57) Abstract :

The subject of the invention is a novel process for the preparation of N-[2-n-butyl-3-{4-[(3-di- n-butylamino)-propoxy]benzoyl}benzofuran-5-yl]- methanesulfonamide of formula (I), and pharmaceutically acceptable salts thereof characterized in that, the acyl group of the benzofuran derivative of the general formula (II), where R represents C 1-4alkyl-, C 1-4 alkoxy- or aryl group - is selectively cleaved and if desired, the resulting compound of formula I is transformed into its salt.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3979/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INTERMEDIATES AND PROCESS FOR PREPARING A THROMBIN SPECIFIC INHIBITOR

(51) International classification :C07D213/75,C07D401/04
(31) Priority Document No :P 201031048
(32) Priority Date :09/07/2010
(33) Name of priority country :Spain
(86) International Application No :PCT/EP2011/061680
Filing Date :08/07/2011
(87) International Publication No :WO 2012/004397
(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)ESTEVE QUÍMICA, S.A.
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(72)Name of Inventor :
1)SEGADE RODRÍGUEZ, Antoni
2)PAST AGUIL, Mireia

(57) Abstract :

Process for the preparation of a compound of formula (I), or a pharmaceutically acceptable salt thereof, wherein R1 and R2 represent H; or either R1 represents ethyl and R2 represents n- hexyloxycarbonyl that applies to industrial scale, novel intermediates useful for the preparation thereof, and processes of preparing said intermediates.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3980/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DISPOSABLE DIAPER

(51) International classification	:A61F13/15
(31) Priority Document No	:2010-152671
(32) Priority Date	:05/07/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/003501
Filing Date	:20/06/2011
(87) International Publication No	:WO 2012/004941
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LIVEDO CORPORATION

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(72)Name of Inventor :

1)TAKAHASHI, Yuki

2)AMANO, Emi

3)NAKAOKA, Kenji

(57) Abstract :

A pants -type disposable diaper has an outer covering sheet formed of a nonwoven fabric. An absorbent body is attached on the outer covering sheet to absorb excrement from the wearer. Sheet members are bonded, (also called end sheets or end holding sheets) on the front and back, each end portion of the absorbent body being positioned and fixed between the sheet member and the outer covering sheet. The sheet member may be a laminated sheet of plastic film and nonwoven fabric stretching of the sheet member is suppressed and it is possible to easily bring the absorbent body in close contact with the crotch region of the wearer when putting the disposable diaper on the wearer. The sheet member may also be formed of nonwoven fabric a fiber orientation of nonwoven fabric on the sheet member then being orthogonal to the edges of end portions of the outer covering sheet in the longitudinal direction, to suppress longitudinal stretching of the sheet member.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3861/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ADDITIVE FOR RECLAMATION OF ASPHALT, RECLAIMED ASPHALT PAVEMENT MATERIAL CONTAINING SAME, MODIFIED ASPHALT, AND ASPHALT PAVEMENT MATERIAL CONTAINING SAME

(51) International classification :C08L95/00,C08L91/00,C08L101/00
(31) Priority Document No :2010-139114
(32) Priority Date :18/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/060963
Filing Date :12/05/2011
(87) International Publication No :WO 2011/158581
(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)KUSANO, Yukio

(57) Abstract :

An additive for the reclamation of asphalt which is obtained by adding straight asphalt to a mixture that consists of both a waste animal or vegetable fat or oil and a waste mineral oil exhibiting a kinematic viscosity of 10 to 40mm²/s at 60°C, mixing the resulting system, and then heating the obtained mixture to remove aromatic substances. The additive enables a deteriorated asphalt to recover physical properties to levels equal or superior to those attained by a conventional additive for the reclamation of asphalt. Further, the additive has a low content of components that may exert influence on the environment or the human body exhibits high fluidity at ordinary temperatures and is extremely uncstly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3862/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS AND METHODS FOR TREATING EXHAUST GASES

(51) International classification :B01D53/86,B01D53/94,B01J35/04
(31) Priority Document No :61/353,104
(32) Priority Date :09/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039803
Filing Date :09/06/2011
(87) International Publication No :WO 2011/156600
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CORMETECH, INC.
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(72)Name of Inventor :
1)FREEMAN, Jeremy, Thomas
2)HOWELL, Eric, Baker

(57) Abstract :

The present invention, in some embodiments provides catalyst modules and/or catalytic reactors having increased effective catalyst cross sectional areas. In some embodiments a catalyst module comprises a fluid stream inlet side comprising a plurality of first catalyst bodies and a plurality of first ducts and a fluid stream outlet side comprising a plurality of second catalyst bodies and a plurality of second ducts, wherein the first ducts are a fluid stream inlet to the second catalyst bodies and the second ducts are a fluid stream outlet for the first catalyst bodies.

No. of Pages : 48 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3863/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CHAIR WITH ADJUSTABLE TABLET

(51) International classification	:A47C7/70,A47C7/68	(71)Name of Applicant :
(31) Priority Document No	:61/478,121	1)KRUEGER INTERNATIONAL, INC.
(32) Priority Date	:22/04/2011	Address of Applicant :1330 Bellevue Street, Green Bay, WI
(33) Name of priority country	:U.S.A.	54302 United States of America
(86) International Application No	:PCT/US2012/034176	(72)Name of Inventor :
Filing Date	:19/04/2012	1)BOUCHE, Timothy, J.
(87) International Publication No	:WO 2012/145463	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A chair (10) including a writing tablet (24) that can be used with both a right handed and a left handed seat occupant. The chair includes a writing tablet (24) that is supported on a tablet arm (26). The tablet arm is pivotable beneath the seating element of the chair such that the tablet arm can be positioned on either the right side or left side of the user. The writing tablet is pivotally mounted to the tablet arm such that the writing tablet can pivot toward and away from the seat occupant. The writing tablet is further movably mounted to the tablet arm such that the writing tablet can move toward and away from the seat occupant. The seating element (16) of the chair is pivotably mounted to a support structure including chair legs and preferably caster wheels.

No. of Pages : 27 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3864/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTROLLED RELEASE COMPOSITIONS WITH REDUCED FOOD EFFECT

(51) International classification :A61K9/20
(31) Priority Document No :61/357,251
(32) Priority Date :22/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041218
Filing Date :21/06/2011
(87) International Publication No :WO 2011/163206
(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)CHEN, Shou-Chiung
2)LEE, Shao-Ming
3)JAN, Chaur-Ming

(57) Abstract :

The present invention provides a controlled release pharmaceutical composition which exhibits reduced food effect.

No. of Pages : 26 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.400/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : WELL

(51) International classification :E21B47/12,E21B47/14
(31) Priority Document No :1012176.2
(32) Priority Date :20/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051378
Filing Date :20/07/2011
(87) International Publication No :WO 2012/010898
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)METROL TECHNOLOGY LIMITED
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(72)Name of Inventor :
1)ROSS, SHAUN, COMPTON
2)JARVIS, LESLIE DAVID

(57) Abstract :

A well comprising a borehole and wellhead apparatus, and a communication box at or proximate to the wellhead apparatus, the well comprising a plurality of sensors coupled to wireless transmitters which are adapted to transmit information from the sensors to the communication box; the sensors comprising at least one pressure sensor;and the well comprising a first memory device spaced apart from the communication box, the first memory device configured to store information from the sensors, wherein the communication box comprises a receiver adapted to receive signals from the transmitters, and at least one of a transmission device and a second memory device to transmit and/or store data received from the transmitters. The communication box is typically highly shock resistant (above 50Gs for at least 5ms, all axes) and so provides, together with other optional features a system to monitor a well especially before, during or after an emergency situation.

No. of Pages : 31 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.401/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : A CONTAINER ADAPTED TO BE CONTACTED TO AN ANIMAL BODY SURFACE

(51) International classification :B32B 15/00

(31) Priority Document No :60/687,179

(32) Priority Date :03/06/2005

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

(86) International Application No :PCT/US2006/021823

Filing Date :05/06/2006

(87) International Publication No :WO/2006/133134

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number : NA

Filed on :NA

(71)Name of Applicant :

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PRINCETON, NJ 08540 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)KARPF, GARY

(57) Abstract :

A container that is adapted to be contacted to an animal body surface is claimed, wherein the container encloses a biologically active elemental metal composition comprising a particulate elemental metal and a non-conducting or semi-conducting coating material, wherein the coating material is disposed around at least a fraction of the surface area of the particulate elemental metal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4011/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONFOCAL LINE-SCANNING OPHTHALMOSCOPE

(51) International classification :A61B3/12
(31) Priority Document No :61/361,717
(32) Priority Date :06/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/NL2011/050485
Filing Date :06/07/2011
(87) International Publication No :WO 2012/005579
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)I-OPTICS B.V.

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(72)Name of Inventor :

1)MENSINK, Michiel Herman

2)COYNE, Julien

(57) Abstract :

A line-scanning ophthalmoscope is described, the ophthalmoscope comprising a light source to provide a light beam to an object of interest, a beam separating device to receive the light beam, provide the light beam to a scanning device and substantially separate the light beam and the returning light beam from the object of interest, a scanning device to direct the light beam to the object of interest for scanning the object of interest; to receive the light beam returning from the object of interest; and to direct at least part of the reflected light beam towards a detector; and a further scanning device to convert the light beam to a line- shaped light beam. In an embodiment, the LSO further comprises an arrayed line generating device such as a lenticular lens array. The ophthalmoscope according to the invention may also comprise a further line generating elements for in use displacing the line-shaped light beam for scanning the object of interest in a direction substantially parallel to the line of the line- shaped light beam, at a frequency that is comparatively high compared to a scanning frequency for scanning the object of interest.

No. of Pages : 35 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4012/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONCENTRATION PLANT WITH DIFFERENTLY WORKING SECTIONS

(51) International classification :F28D7/16,F28F9/02,F28F13/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IT2010/000273
Filing Date :21/06/2010
(87) International Publication No :WO 2011/161703
(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)CATELLI, Roberto

2)ROMEI, Stefano

(57) Abstract :

The invention relates to a concentration plant with differently-functioning sections. The plant comprises a vertically-developing external tubular sheath (1) internally of which are comprised: a heat exchanger (2), in which a heating fluid coming from a fluid inlet mouth (9) circulates, which heat exchanger (2) is defined by a lower plate (3) and an upper plate (4) on which lower plate (3) and upper plate (4) upper and lower open ends of a first vertically raising tube bundle (5) and a second descending tube bundle (6) are fixed, in which first and second tube bundles (5, 6) the product to be processed circulates; a supply chamber (7), arranged inferiorly of the lower plate (3), which sets an inlet mouth of the product (8) in communication with the lower ends of the tubes of the first tube bundle (5); a pressurised upper chamber (10), arranged superiorly of the upper plate (4), which sets in mutual communication the upper ends of the tubes of the first tube bundle (5) and the second tube bundle (6); a separation chamber (11), which is arranged internally of the sheath (1) and inferiorly of the lower plate (3) and in which the lower ends of the tubes of the second tube bundle (6) open, a product outlet mouth (12) being afforded on a closed bottom of the separation chamber (11), and an outlet opening (13) being afforded on a lateral wall of the separation chamber (11) for exit of steam generated during product concentration.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4013/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : USE OF A2B ADENOSINE RECEPTOR ANTAGONISTS FOR TREATING PULMONARY HYPERTENSION

(51) International classification :A61K31/522,A61P9/12,A61P11/00
(31) Priority Document No :61/360,289
(32) Priority Date :30/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042379
Filing Date :29/06/2011
(87) International Publication No :WO 2012/003220
(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)BELARDINELLI, Luiz
2)ZENG, Dewan
3)ZHONG, Hongyan

(57) Abstract :

This disclosure relates generally to treating patients having pulmonary hypertension, or symptoms associated therewith, by administering a therapeutically effective amount of an A2B receptor antagonist to the patient.

No. of Pages : 99 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMMUNICATION APPARATUS AND COMMUNICATION METHOD

(51) International classification :H04L12/56

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2010/059221

Filing Date :31/05/2010

(87) International Publication No :WO 2011/151884

(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)JINZAKI, AKIRA

(57) Abstract :

When a transmitting terminal 2A and a receiving terminal 4B performs communication via a network 10, at a communication apparatus 1 controlling the bandwidth of the communication, a receiving bandwidth measuring unit 23 measures the bandwidth for the communication in at least one direction of the communication in two directions from the transmitting terminal 2A to the receiving terminal 4B and from the receiving terminal 4B and the transmitting terminal 2A. The session table 13 stores information regarding bandwidth adjustment including the target bandwidth required for the communication. The bandwidth adjusting unit 24 reads out, from the session table 13, the target bandwidth in the direction for which the bandwidth was measured, and throttling or enhancing of the bandwidth is performed by adjusting the transmission interval of packets based on the comparison of the bandwidth measured at the receiving bandwidth measuring unit 23 and the read out target bandwidth.

No. of Pages : 97 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3706/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS AND MECHANISM FOR DYNAMIC ASSIGNMENT OF SUR VIVABILITY SERVICES TO MOBILE DEVICES

(51) International classification :H04L29/14,H04L29/08,H04L29/06
(31) Priority Document No :61/447,338
(32) Priority Date :28/02/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/024831
Filing Date :13/02/2012
(87) International Publication No :WO 2012/118610
(61) 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 ENTERPRISE COMMUNICATIONS GMBH & CO. KG
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(72)Name of Inventor :
1)FIEREMANS, GEERT ROBERT MARC
2)PASTRO, RODRIGO
3)RUETSCHI, JOHANNES

(57) Abstract :

A system, a method and a device are each configured for dynamic assignment of survivability services to communication devices (such as, e.g. tablets, smart phones, mobile phones, laptops or other types of mobile communication devices) based on the devices current location and network context. Survivability services provide session and service continuity in case a centralized or cloud based session management service that may be hosted by one or more remote computer devices, such as for example servers, is not reachable due to network failure or service failure.

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

(54) Title of the invention : IMMERSION TYPE MEMBRANE FILTRATION UNIT AND IMMERSION TYPE MEMBRANE FILTRATION APPARATUS

(51) International classification :B01D63/02,B01D65/02
 (31) Priority Document No :2010-158440
 (32) Priority Date :13/07/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/003819
 Filing Date :04/07/2011
 (87) International Publication No :WO 2012/008115
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)KAWASAKI JUKOGYO KABUSHIKI KAISHA

Address of Applicant :1-1, HIGASHIKAWASAKI-CHO 3-CHOME, CHUO-KU, KOBE- SHI, HYOGO 6508670 JAPAN

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1)FUKUMOTO, KOJI

2)HIRATA, SHIGEHIDE

3)TSUZAWA, MASAKI

4)INOMATA, AKIHIKO

5)YAMAMOTO, HIROSHI

(57) Abstract :

In an immersion type membrane filtration unit including filtration membrane modules in each of which the bundle of a large number of hollow fiber membranes is fixed between an upper fixing member and a lower fixing member in a planar shape, filtration membrane modules 10 in the immersion type membrane filtration unit are arranged as below in order to reduce aeration power without hindering the effect of air scrubbing. In the filtration membrane modules 10 in each of which a distance D between an upper fixing member 21 and a lower fixing member 22 for fixing hollow fiber membranes 11 is 1,150 mm and a maximal length L of the hollow fiber membrane 11 is 1,185 mm, a thickness d of each of a plurality of lower fixing members 22 for fixing the hollow fiber membranes 11 is set to 30 mm, and the bundle of the hollow fiber membranes 11 is fixed on a thickness-direction center portion of the lower fixing member 22 such that a width a of the bundle is about 20 mm. A width b of each of both thickness-direction side portions, where the hollow fiber membrane 11 does not exist, of the lower fixing member 22 is set to 5 mm, and a distance c between the adjacent lower fixing members 22 is set to 3 to 7 mm.

No. of Pages : 23 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4021/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FUSED HETEROCYCLIC COMPOUNDS AS ION CHANNEL MODULATORS

(51) International classification :A61P9/00,A61P3/10,C07D471/04

(31) Priority Document No :61/361,056

(32) Priority Date :02/07/2010

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

(86) International Application
No :PCT/US2011/042700

Filing Date :30/06/2011

(87) International Publication
No :WO 2012/003392

(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)KOBAYASHI, Tetsuya

2)KOLTUN, Dmitry

3)NOTTE, Gregory

4)PARKHILL, Eric

5)ZABLOCKI, Jeff

(57) Abstract :

The present disclosure relates to compounds that are sodium channel inhibitors and to their use in the treatment of various disease states, including cardiovascular diseases and diabetes. In particular embodiments, the structure of the compounds is given by Formula I: wherein R1, R2, R3, R4, and R5 are as described herein, to methods for the preparation and use of the compounds and to pharmaceutical compositions containing the same.

No. of Pages : 231 No. of Claims : 29

(54) Title of the invention : METHOD FOR CONTROLLING A COMPRESSOR ELEMENT OF A SCREW COMPRESSOR

(51) International classification :F04C18/16,F04C29/00,F16C39/06
 (31) Priority Document No :2010/0397
 (32) Priority Date :02/07/2010
 (33) Name of priority country :Belgium
 (86) International Application No :PCT/BE2011/000039
 Filing Date :01/07/2011
 (87) International Publication No :WO 2012/000066
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)DE BOCK Simon Peter G.

(57) Abstract :

Method for controlling a compressor element of a screw compressor, and the said compressor element (1) has a housing (2) with two meshing helical rotors (3-4) in it that are each supported in the housing (2) in the axial direction (X-X) by means of at least one axial bearing (13 and/or 22), and whereby the housing (2) has an inlet side (10) and outlet side (11), characterised in that this method comprises a process A and/or a process B, whereby:- process A comprises a first step of switching on a first magnet (17) during start-up of the compressor element (1), such that this magnet (17) exerts a force on an aforementioned rotor (3) that is directed from the outlet side (11) to the inlet side (10), and of switching off this first magnet (17) during nominal operation of the compressor element (1); and whereby, process B comprises a first step of keeping a second magnet (21) switched off during start-up of the compressor element (1), and switching on this second magnet (21) during nominal operation of the compressor element (1), such that this second magnet (21) exerts a force that is directed from the inlet side (10) to the outlet side (11).

No. of Pages : 44 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR THE SELECTIVE HYDROGENATION OF POLYUNSATURATED HYDROCARBONS IN OLEFIN-CONTAINING HYDROCARBON MIXTURES

(51) International classification :C07C7/163,C10G45/32
(31) Priority Document No :102010030990.7
(32) Priority Date :06/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059601
Filing Date :09/06/2011
(87) International Publication No :WO 2012/004081
(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)BÖING, Christian

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4)SCHILLING, Gunnar

5)GARSTKA, Wolfgang

6)KREIDLER, Burkard

7)MASCHMEYER, Dietrich

8)BUKOHL, Rainer

(57) Abstract :

The invention relates to a method for the parallel selective hydrogenation of unbranched, polyunsaturated C4-hydrocarbons and branched, polyunsaturated C5-hydrocarbons in hydrocarbon mixtures while minimizing hydrogenation and isomerization of the olefins present in the flow.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4028/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR SOLAR-POWERED AIRSHIP

(51) International classification :B64B1/00,B64B1/08,B64B1/10
(31) Priority Document No :61/366,125
(32) Priority Date :20/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044102
Filing Date :15/07/2011
(87) International Publication No :WO 2012/012275
(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)GOELET, John

(57) Abstract :

A solar-powered airship with a hull configured to contain a gas and at least one propulsion assembly with a propulsion device and electric motors configured to drive the propulsion device. The airship may also include a power supply system including solar panels operatively coupled to the electric motors and configured to supply power to the electric motors. The power supply system may also include batteries operatively coupled to the solar panels and configured to receive and store electrical energy supplied by the solar panels, the batteries being further operatively coupled to the electric motors and configured to supply power to the electric motors. The batteries may each be located within an outer envelope of the airship defined by the hull of the airship in a position selected to provide ballast. The solar-powered airship may also include a cargo system configured to contain passengers or freight.

No. of Pages : 81 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4029/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPROVED NETWORK DATA TRANSMISSION SYSTEM AND METHOD

(51) International classification :H04N7/10
(31) Priority Document No :61/356,652
(32) Priority Date :20/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041131
Filing Date :20/06/2011
(87) International Publication No :WO 2011/163150
(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)KADAMBI, Jayant
2)SANKARAN, Ayyappan

(57) Abstract :

A network data transmission system including a locus metrics database, a locus parameters database, a scoring engine and a system controller coupled to the locus metrics database, the locus parameters database and the scoring engine. The locus metrics database and the locus parameters database may be at least partially linked and may be at least partially distributed. In an embodiment, the scoring engine may include a weight function operating on at least some of the locus metrics.

No. of Pages : 32 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4030/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRODE AND DYE-SENSITIZED SOLAR CELL

(51) International classification :H01L31/042,H01L31/0216
(31) Priority Document No :61/355,648
(32) Priority Date :17/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/AU2011/000734
Filing Date :17/06/2011
(87) International Publication No :WO 2011/156868
(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)MATHIESON, Grant, Alexander
2)OFFICER, David, Leslie
3)VENTURA, Michael, James

(57) Abstract :

A working electrode and dye sensitized solar (DSSC) cell having working electrode where the working electrode includes a porous metal foil conductor and a particulate metal oxide layer on the side of the foil for facing incident light and process for preparing the electrode and DSSC.

No. of Pages : 44 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3780/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : DUMP TRUCK

(51) International classification :B60P1/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/003703
Filing Date :03/06/2010
(87) International Publication No :WO 2011/151862
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)KITA Yasuki

5)IKEMA Takehito

6)YASUDA Tomohiko

7)SASAKI Takashi

8)NABESHIMA Yoshifumi

9)OOSHIMA Hitomi

(57) Abstract :

To provide a dump truck capable of assuring a large authorized payload weight while inhibiting spilling of an object under haulage over parts of side walls. A dump truck is provided on a frame 3 with a tiltable body 5. The body 5 has a payload section defined by a bottom wall, a front wall 8 and a pair of side walls 9 for loading therein an object to be hauled, and a canopy 10 connected to the front wall 8 of the payload section and arranged over an operators cab 4. A front end portion 15 of a top part 14 of each of the paired side walls 9 included in the payload section of the body 5 is set at a same height position or a substantially same height position as the canopy 10, the front end portion 15 of the top part 14 of each of the side walls 9 has been connected by welding to a rear end portion 17 of an upper surface 16 of the canopy 10, a rear end portion 18 of the top part 14 of each of the side walls 9 is set at a height position lower than the front end portion 15, and the top part 14 of each of the paired side walls 9 is formed in a configuration including a rearwardly-declining oblique profile.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3781/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : A METHOD AND A SYSTEM FOR DETERMINING LOCATION PROPERTIES OF AN EMITTER

(51) International classification :G01S5/12
(31) Priority Document No :206385
(32) Priority Date :15/06/2010
(33) Name of priority country :Israel
(86) International Application No :PCT/IL2011/000473
Filing Date :14/06/2011
(87) International Publication No :WO 2011/158233
(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)Amnon Menashe MAOR

(57) Abstract :

Method for determining location properties of an emitter, emitting repetitive pulse trains received by at least two receivers, the method comprising the procedures of receiving the repetitive pulse trains, by each of the at least two receivers and recording the Time Of Arrival (TOA) of each pulse in the received repetitive pulse trains, determining the Pulse Train Repetition Interval (PTRI) of the emitter, for each receiver, determining the TOA-phase of each received pulse train according to the PTRI and the TOA respective of each pulse train, for each receiver, determining a respective characteristic TOA phase curve of the repetitive pulse trains received thereby, according to the TOA phase respective of the received repetitive pulse trains and for each pair of receivers, determining the location properties of the emitter according to the characteristic TOA-phase curves respective of pulse trains received by each receiver.

No. of Pages : 43 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4034/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MEANS OF TRANSPORT AND METHOD FOR WIRED DATA TRANSMISSION BETWEEN TWO VEHICLES WHICH ARE DETACHABLY CONNECTED TO ONE ANOTHER

(51) International classification :H04L29/14,B61C3/00,B61L15/00

(31) Priority Document No :10 2010 027 283.3

(32) Priority Date :16/07/2010

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/061841

Filing Date :12/07/2011

(87) International Publication No :WO 2012/007454

(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)KARL, Harald

2)KERN, Karl-Heinz

(57) Abstract :

The invention relates to a means of transport (1) which comprises vehicles (2) detachably connected to one another and has a data transmission apparatus for wired data transmission between the vehicles (2) and within the vehicles (2). In each vehicle (2) the data transmission apparatus comprises data coupling units (3) for the data transmission between the respective vehicle (2) and vehicles (2) connected to it and also two separate data links connecting its two data coupling units (3). In this arrangement, each data coupling unit (3) has four data ports (7.1 to 7.4) and also one or more switch units (9, 9.1, 9.2) which can be used to produce different electrical connection states for the data ports (7.1 to 7.4). The invention also relates to a method for data transmission in such a means of transport (1).

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

(54) Title of the invention : METHOD AND DEVICE FOR DETERMINING MODEL PARAMETERS FOR CONTROLLING A STEAM POWER PLANT BLOCK, CONTROL UNIT FOR A STEAM GENERATOR AND COMPUTER PROGRAM PRODUCT

(51) International classification :G05B13/04,F22B35/18,F01K3/22
 (31) Priority Document No :10 2010 025 916.0
 (32) Priority Date :02/07/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/060696
 Filing Date :27/06/2011
 (87) International Publication No :WO 2012/000929
 (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)WENDELBERGER Klaus

(57) Abstract :

The invention relates to a method and to a corresponding device for determining at least one model parameter (M) of a control engineering model of a steam generator, wherein a control engineering model structure having the at least one characteristic model parameter is predetermined for the steam generator. Measurement signals of the steam generation process are recorded online. According to the invention, the at least one model parameter is estimated online. For this purpose the same input signal (ES) is applied to both the real process (P) and the model of the steam generator. Next, an estimability analysis (SBA) is carried out, wherein at least one output signal of the respective process (ASP) and/or model (ASM), or at least one input signal are processed by a comparative evaluation on the basis of a gradient analysis (SWG). Estimation ranges within which a valid parameter estimation is possible are defined in a further step on the basis of the gradient analysis. If the estimability is positively assessed, the current estimated value of the at least one model parameter is improved and furthermore the model is adapted by means of the estimated values in an iterative process. The invention further relates to a control unit for a steam generator and to a computer program product.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3718/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CLEANING EQUIPMENT FOR GAS SCRUBBER FLUID

(51) International classification:C02F1/38,B01D47/00,B01D53/14

(31) Priority Document No :10168279.7

(32) Priority Date :02/07/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/059920

Filing Date :15/06/2011

(87) International Publication No :WO 2012/000790

(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)SUNDQUIST, LENA

(57) Abstract :

The present invention relates to a cleaning equipment for polluted scrubber fluid from an exhaust gas scrubber fluid loop (9). The cleaning equipment comprises means for bleeding off part of the polluted scrubber fluid from the scrubber fluid loop (9), a disc stack centrifugal separator (12) for separating a pollutant phase and a cleaned scrubber fluid from said part. The separator comprises a rotor (13) enclosing a separation space (14) with a stack of separating discs (15), a separator inlet (11) for said part extending into said separating space, a first separator outlet (16) for cleaned scrubber fluid extending from said separating space (14), and a second separator outlet (17) for the pollutant phase extending from said separating space (14). The cleaning equipment further comprises means for conducting said part to the separator inlet, and means for discharging the cleaned scrubber fluid from the first separator outlet, and means for collecting the pollutant phase from the second separator outlet.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4043/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INDOLIZINE DERIVATIVES, PROCESS FOR THE PREPARATION THEREOF AND THERAPEUTIC USE THEREOF

(51) International classification :C07D471/04,A61K31/437,A61P35/00
(31) Priority Document No :1055477
(32) Priority Date :06/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/IB2011/052953
Filing Date :04/07/2011
(87) International Publication No :WO 2012/004731
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)LASSALLE, Gilbert

(57) Abstract :

The invention relates to compounds corresponding to formula (I): N R1 O R3 R4 R2 (I) in which - R3 and R4 together form, with the carbon atoms of the phenyl nucleus to which they are attached, a 6-membered nitrogenous heterocycle corresponding to one of formula (A), (B) or (C) below: N N O O Ra Ra N N O Rb Rb N O Rc Rc Rc (A) (B) (C) in which the wavy lines represent the phenyl nucleus to which R3 and R4 are attached. Preparation process and therapeutic use.

No. of Pages : 94 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4046/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE FOR TRANSPORTING BALLAST WEIGHTS

(51) International classification :B66C23/34
(31) Priority Document No :10 2010 024 843.6
(32) Priority Date :23/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/003041
Filing Date :20/06/2011
(87) International Publication No :WO 2011/160804
(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)KRAMER, Patrick

(57) Abstract :

The invention relates to a vehicle (1) for transporting ballast weights (4) which are intended for weighting a crane (2). The vehicle according to the invention is characterised in that the vehicle (1) has a ballast lifting device (5), by means of which the ballast weights (4) can be moved between a transport position located on the vehicle (1) and a usage position provided for on the crane (2).

No. of Pages : 15 No. of Claims : 16

(54) Title of the invention : PRO-NEUROGENIC COMPOUNDS

(51) International classification :A61K31/404,C07D209/88,C07D401/06
(31) Priority Document No :12/832,056
(32) Priority Date :07/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043185
Filing Date :07/07/2011
(87) International Publication No :WO 2012/006419
(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)MCKNIGHT, Steven L.
2)PIEPER, Andrew A.
3)READY, Joseph M.
4)DE BRABANDER, Jef K.

(57) Abstract :

This technology relates generally to compounds and methods for stimulating neurogenesis (e.g., post-natal neurogenesis, including post-natal hippocampal and hypothalamic neurogenesis) and/or protecting neuronal cell from cell death. Various compounds are disclosed herein. In vivo activity tests suggest that these compounds may have therapeutic benefits in neuropsychiatric and/or neurodegenerative diseases such as schizophrenia, major depression, bipolar disorder, normal aging, epilepsy, traumatic brain injury, post-traumatic stress disorder, Parkinsons disease, Alzheimers disease, Down syndrome, spinocerebellar ataxia, amyotrophic lateral sclerosis, Huntingtons disease, stroke, radiation therapy, chronic stress, abuse of a neuro-active drug, retinal degeneration, spinal cord injury, peripheral nerve injury, physiological weight loss associated with various conditions, as well as cognitive decline associated with normal aging, chemotherapy, and the like.

No. of Pages : 350 No. of Claims : 137

(54) Title of the invention : APPARATUS AND METHOD FOR ADJUSTING ELECTRIC POWER STEERING DEVICE

(51) International classification :B62D5/04,B62D6/00,B62D119/00
(31) Priority Document No :2010-258093
(32) Priority Date :18/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/075437
Filing Date :04/11/2011
(87) International Publication No :WO 2012/066942
(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)Hideo MAEHARA

(57) Abstract :

A device for adjusting an electric power steering device comprises: a steering mechanism for converting input torque into a steering force and transmitting the steering force to wheels; a torque sensor for outputting a torque detection signal according to input torque; an electric motor for applying steering assisting torque according to the torque detection signal outputted by the torque sensor; a sensor circuit by which the output characteristics of the torque sensor is changed; an actuator for applying input torque to the steering mechanism; a steering force measurer for operating the electric motor through the torque sensor according to input torque and measuring the steering force outputted by the steering mechanism; and a sensor output adjuster for adjusting, according to the amount of the deviation calculated on the basis of the difference between a preset ideal value and the steering force measured by the steering force measurer, the output characteristics of the sensor circuit so as to bring the steering force close to the ideal value.

No. of Pages : 31 No. of Claims : 4

(54) Title of the invention : MEMBRANE REACTOR FOR TREATING GASES CONTAINING TRITIUM

(51) International classification :C01B4/00,C01B3/50
 (31) Priority Document No :RM2010A000330
 (32) Priority Date :16/06/2010
 (33) Name of priority country :Italy
 (86) International Application No :PCT/IT2011/000205
 Filing Date :16/06/2011
 (87) International Publication No :WO 2011/158275
 (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)TRABUC, Pierre
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 6)LIGER, Karine
 7)MARINI, Fabrizio**

(57) Abstract :

An apparatus for recovery of tritium from contaminated gaseous mixtures by means of isotope-exchange processes comprises a container having a preferably cylindrical shape made of steel or other suitable metal or glass, referred to as module (1), which contains at least one permeator tube (T) made of metal or metal alloy selectively permeable to hydrogen and its isotopes, wherein said tube (T) is set in cantilever fashion with its free end closed there being further provided means for applying an axial tensile force on the free end of the permeator tube (T) and means for electrical connection of said free end of said tube (T) to an end flange (FF) of the module (1) adjacent thereto.

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

(54) Title of the invention : METHOD, SYSTEM AND CONTROL DEVICE FOR CONTROLLING A COMPRESSED-AIR-CONTROLLED BRAKE SYSTEM

(51) International classification :B60P1/16,B60P3/22,B60T7/12
 (31) Priority Document No :10 2010 045 655.1
 (32) Priority Date :17/09/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/002425
 Filing Date :17/05/2011
 (87) International Publication No :WO 2012/034608
 (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)BARLSEN, Holger

2)RISSE, Rainer

3)STENDER, Axel

(57) Abstract :

The invention relates to a method for controlling a compressed air controlled brake system of a utility vehicle (3, 4), wherein a monitoring sensor (S) monitors whether the means for securing or positioning a vehicle part of the utility vehicle (3, 4), a cargo (6) of the utility vehicle (3, 4) or a cargo carrier (7 10) which accommodates a cargo (6) of the utility vehicle (3, 4) which are provided in order to ensure a safe driving state of the utility vehicle (3, 4) are present and wherein the brakes (B) of the utility vehicle (3, 4) are actuated automatically if the monitoring sensor (S) detects that the means for securing or positioning the vehicle part, the cargo (6) or the cargo carrier (7, 10), which are provided in order to ensure a safe driving state of the utility vehicle (3, 4), are not present. The invention also relates to a system composed of a brake system control device for such a brake system and a monitoring sensor as well as a brake system control device for this purpose.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4053/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR OPERATING A PROCESSOR IN A REAL-TIME ENVIRONMENT

(51) International classification	:G06F1/32,G05B19/042	(71)Name of Applicant :
(31) Priority Document No	:102010025884.9	1)SIEMENS AKTIENGESSELLSCHAFT
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(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/059616	(72)Name of Inventor :
Filing Date	:09/06/2011	1)Christian HILDNER
(87) International Publication No	:WO 2012/000765	
(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 operating a processor (6) in a real-time environment (1), said processor (6) being switched from an operating state (BZ) to a resting state (RZ) after handling a real-time event (EZE, EZE1 to EZE3). An auxiliary signal (HS) is generated during a near imminent occurrence of a subsequent real-time event (EZE, EZE1 to EZE3). The processor (6) is switched to the operating state (BZ) by means of said signal before the subsequent real-time event (EZE, EZE1 to EZE3) occurs.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4059/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CHAIN, AND METHOD FOR MANUFACTURING A CHAIN

(51) International classification	:F16G13/06
(31) Priority Document No	:10 2010 025 528.9
(32) Priority Date	:29/06/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/060940
Filing Date	:29/06/2011
(87) International Publication No	:WO 2012/001066
(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)KREMER, JOHANNES
2)KISTERS, PETER
3)KIRSCHNIOK, CHRISTIAN

(57) Abstract :

A chain, in particular a technical chain, preferably a unidimensionally movable chain (plate link chain), more preferably a bolt chain or roller chain, comprising at least one, preferably a number of chain links, wherein the at least one chain link is constructed with a preload, and a method for manufacturing a chain, characterized by at least the following method steps: assembling at least one chain link from at least two link plates (2) with link plate holes (3) and two bolts (1) or sleeves (4), wherein in the non-assembled state, the link plate (2) is not straight, in particular has a curved form, and/or the link plate (2) and the link plate holes have a hole axis (7), wherein the hole axis (7) is not right-angled, and/or, in the non-assembled state, the bolt (1) or the sleeve (4) is not straight, in particular has a curved form, and assembling the chain from at least two chain links, wherein at least one chain link manufactured in this way is used.

No. of Pages : 30 No. of Claims : 10

(54) Title of the invention : ABRASION RESISTANT STEEL PLATE WHICH EXHIBITS EXCELLENT WELD TOUGHNESS AND EXCELLENT DELAYED FRACTURE RESISTANCE

(51) International classification :C22C38/00,C22C38/28,C22C38/54
 (31) Priority Document No :2010-149649
 (32) Priority Date :30/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/065416
 Filing Date :29/06/2011
 (87) International Publication No :WO 2012/002567
 (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)UEDA Keiji
2)SUZUKI Shinichi

(57) Abstract :

Provided is an abrasion-resistant steel plate or sheet which exhibits excellent weld toughness and excellent delayed fracture resistance and is thus suitable for construction machines, industrial machines, and so on. Specifically provided is a steel plate or sheet which contains, in mass%, 0.20 to 0.30% of C, 0.05 to 1.0% of Si, 0.40 to 1.2% of Mn, 0.010% or less of P, 0.005% or less of S, 0.40 to 1.5% of Cr, 0.005 to 0.025% of Nb, 0.005 to 0.03% of Ti, 0.1% or less of Al, 0.01% or less of N, and, as necessary, one or more of Mo, W, B, Cu, Ni, V, REM, Ca and Mg, and has a DI of 45 to 180 while satisfying the relationship: $C+Mn/4-Cr/3+10P=0.47$, and which has a microstructure that comprises martensite as the matrix phase.

$DI=33.85 \times (0.1 \times C) 0.5 \times (0.7 \times Si+1) \times (3.33 \times Mn+1) \times (0.35 \times Cu+1) \times (0.36 \times Ni+1) \times (2.16 \times Cr+1) \times (3 \times Mo+1) \times (1.75 \times V+1) \times (1.5 \times W+1)$.

No. of Pages : 49 No. of Claims : 7

(54) Title of the invention : ABRASION RESISTANT STEEL PLATE WHICH EXHIBITS EXCELLENT WELD TOUGHNESS AND EXCELLENT DELAYED FRACTURE RESISTANCE

(51) International classification :C22C38/00,C22C38/32,C22C38/54
 (31) Priority Document No :2010-149650
 (32) Priority Date :30/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/065410
 Filing Date :29/06/2011
 (87) International Publication No :WO 2012/002563
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

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2)SUZUKI Shinichi

(57) Abstract :

Disclosed is a wear-resistant steel sheet which has excellent toughness of a multi-layer-welded part and excellent lagging destruction resistance properties and is therefore suitable for a construction machine, an industrial machine and the like. Specifically disclosed is a steel sheet which contains, in mass%, 0.20-0.30% of C, 0.05-1.0% of Si, 0.40-1.2% of Mn, 0.010% or less of P, 0.005% or less of S, 0.40-1.5% of Cr, 0.005-0.025% of Nb, 0.05-1.0% of Mo, 0.005-0.03% of Ti, 0.1% or less of Al, 0.01% or less of N and 0.0003-0.0020% of B, optionally contains at least one element selected from W, Cu, Ni, V, REM, Ca and Mg, and fulfils the requirements represented by the following formulae: $DI (= 33.85 \times (0.1 \times C) 0.5 \times (0.7 \times Si + 1) \times (3.33 \times Mn + 1) \times 0.35 \times Cu + 1) \times (0.36 \times Ni + 1) \times (2.16 \times Cr + 1) \times (3 \times Mo + 1) \times (1.75 \times V + 1) \times (1.5 \times W + 1)$: 45-180 and $C + Mn/4 - Cr/3 + 10P = 0.47$ wherein the microstructure of the steel sheet contains martensite as the matrix phase.

No. of Pages : 51 No. of Claims : 7

(54) Title of the invention : REACTIVE POLYAMIDE RESINS AND POLYAMIDE RESIN COMPOSITIONS

(51) International classification :C08G69/26,C08L21/00,C08L77/06
(31) Priority Document No :2011-129969
(32) Priority Date :10/06/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/062814
Filing Date :18/05/2012
(87) International Publication No :WO 2012/169334
(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)AYUBA Shinichi
3)MATSUMOTO Nobuhiko
4)OTSUKA Kosuke

(57) Abstract :

Provided are: a reactive polyamide resin having excellent reactivity with an elastomer or the like; and a polyamide resin composition comprising the reactive polyamide resin and an elastomer. The reactive polyamide resin is produced by polycondensing a diamine (A) in which 70 mol% or more of diamine constituting units is derived from xylylenediamine with a dicarboxylic acid (B) in which 50 mol% or more of dicarboxylic acid constituting units is derived from sebacic acid said reactive polyamide resin being characterized in that the concentration of reactive functional groups is 100 $\mu\text{eq/g}$ or more and the molar ratio of the reacted diamine to the reacted dicarboxylic acid (i.e. (the number of moles of the reacted diamine)/(the number of moles of the reacted dicarboxylic acid)) is 1.0 or more. The polyamide resin composition is characterized by being produced by adding 0.5 100 parts by mass of an elastomer to the polyamide resin.

No. of Pages : 48 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4064/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRIC UTILITY METER COMPRISING LOAD IDENTIFYING DATA PROCESSOR

(51) International classification:G01D4/00,H02J13/00,G06Q50/00

(31) Priority Document No :61/372,344

(32) Priority Date :10/08/2010

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

(86) International Application No :PCT/US2011/046570

Filing Date :04/08/2011

(87) International Publication No :WO 2012/021372

(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)SANDERFORD, H., BRITTON

2)ROUQUETTE, ROBERT, J.

(57) Abstract :

The present disclosure replaces a standard electric utility meter with a meter having a signal sensor, signal generator, and processor platform. The utility can then select the application, that best suits their analysis needs. The meter platform consists of 3 layers: physical interfaces (16, 24, 34, 36), pre processing resources (26), and applications processing & database (28, 32). The physical interfaces include voltage, current, and load sensors, radio and PLC communications, optical and power control for advanced outage management. The increased processing capabilities combined with signal and data processing allow for true distributed intelligence in the smart grid. The physical layer pre processing DSP and firmware form open APIs for third party developers.

No. of Pages : 42 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3817/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PERFORMING A HARQ PROCESS AND APPARATUS USING SAME

(51) International classification :H04L1/18,H04J11/00,H04B7/14
(31) Priority Document No :61/353,209
(32) Priority Date :09/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/004244
Filing Date :09/06/2011
(87) International Publication No:WO 2011/155785
(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)KIM, Hakseong
2)SEO, Hanbyul
3)KIM, Byounghoon
4)KIM, Kijun

(57) Abstract :

The present invention relates to a method for performing a HARQ process operation in a wireless communication system and to an apparatus using the method. A base station device which performs a HARQ process operation comprises a transmitter which transmits to a relay an uplink (UL) grant in a downlink backhaul subframe n which is a subframe having an index n among the allocated downlink backhaul subframes and transmits if downlink data sent from the relay in accordance with the uplink grant is not successfully received a non acknowledgement (NACK) signal in a downlink backhaul subframe n+N which is a downlink backhaul subframe that comes after N which is a predetermined number of HARQ processes counted from the downlink backhaul subframe n among the allocated downlink backhaul subframes.

No. of Pages : 77 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4073/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HOMODIMERIC PROTEIN CONSTRUCTS

(51) International classification :A61K39/385,C07K19/00,C07K14/52
(31) Priority Document No :10167291.3
(32) Priority Date :25/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/060628
Filing Date :24/06/2011
(87) International Publication No :WO 2011/161244
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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(71)Name of Applicant :

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3)FREDRIKSEN, AGNETE BRUNSVIK

(57) Abstract :

The present disclosure relates to recombinant fusion proteins, such as human antibody- based molecules called Vaccibodies, which are able to trigger both a T cell- and B cell immune response. The present disclosure also relates to a method of treating a cancer or an infectious disease by means of these specific fusion proteins.

No. of Pages : 45 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4074/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MULTILAYERED RESIN TUBE-SHAPED BODY

(51) International classification :B32B1/08,B32B27/00,B32B27/34

(31) Priority Document No :2010-148807

(32) Priority Date :30/06/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/064927

Filing Date :29/06/2011

(87) International Publication No :WO 2012/002442

(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)HIROMI NAKAYAMA

(57) Abstract :

Provided is an economical multilayered resin tube-shaped body that can be safely used in a high-temperature environment such as an engine compartment. A multilayered resin tube-shaped body (1) having excellent heat resistance is obtained by forming an outer layer (2) from a thermoplastic resin having a melting point of 190-300°C and forming an inner layer (3) from a thermoplastic resin having a melting point of 150-300°C and low liquid or gas permeability. The thermoplastic resin that forms the outer layer (2) is preferably a resin having a hoop stress of 10 MPa or greater in a 120°C atmosphere. Furthermore, the thermoplastic resin that forms the inner layer (3) is preferably a resin having a gasoline permeability of 1.0 g/m²·day or less.

No. of Pages : 21 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4075/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : THIN BATTERY

(51) International classification	:H01M2/10
(31) Priority Document No	:2010-124409
(32) Priority Date	:31/05/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/061507
Filing Date	:19/05/2011
(87) International Publication No	:WO 2011/152219
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)MICHINORI IKEZOE
4)TOSHIYUKI MOTOHASHI
5)TOMIO NAGASHIMA

(57) Abstract :

A thin battery is provided with: a battery body (11) having an electricity generation element (112) contained within an outer cover member (111) which consists of a laminated film including a resin layer (111c) and which has sealed outer peripheral sections (113); and spacers (12) which are, when another thin battery body is stacked on the thin battery, disposed between the outer peripheral sections and which have affixation sections (121) for affixing the battery body to a predetermined position. Elastic resin section (13) are formed, by insert molding of an elastic resin, in portions of the outer peripheral sections, the portions being located at least around the affixation sections and in areas (H1) including superposed sections (14) at which the outer peripheral sections and the spacers are superposed on each other. The thin battery can be affixed so as to be highly stable against the vibration, etc. of the vehicle.

No. of Pages : 47 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4076/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RECONFIGURABLE BATTERY-OPERATED VEHICLE SYSTEM

(51) International classification :B64C27/00
(31) Priority Document No :61/396459
(32) Priority Date :26/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/000953
Filing Date :26/05/2011
(87) International Publication No :WO 2011/149544
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)ZWAAN, JOHN, PETER

5)TYLER, JEREMY, D.

6)MCALLISTER, JUSTIN, B.

7)TORRES, GABRIEL

8)BELIK, PAVEL

(57) Abstract :

A quadrotor UAV including ruggedized, integral-battery, load-bearing body, two arms on the load-bearing body, each arm having two rotors, a control module mounted on the load-bearing body, a payload module mounted on the control module, and skids configured as landing gear. The two arms are replaceable with arms having wheels for ground vehicle use, with arms having floats and props for water-surface use, and with arms having pitch-controlled props for underwater use. The control module is configured to operate as an unmanned aerial vehicle, an unmanned ground vehicle, an unmanned (water) surface vehicle, and an unmanned underwater vehicle, depending on the type of arms that are attached.

No. of Pages : 52 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3827/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR TRAFFIC OFFLOAD IN A BROADBAND WIRELESS ACCESS SYSTEM

(51) International classification :H04W28/14,H04W88/16
(31) Priority Document No :10-2010-0060387
(32) Priority Date :25/06/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/004485
Filing Date :20/06/2011
(87) International Publication No :WO 2011/162516
(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)MOON, Byoung-Chul
2)LEE, Jake
3)LEE, Sang-Heon

(57) Abstract :

A method and apparatus for reducing backhaul traffic in a broadband wireless access system are provided. The method includes receiving an uplink packet including a contents request from a Mobile Station (MS), determining whether the requested contents have been cached, if it is determined that the contents have not been cached, acquiring the contents from a corresponding server, transmitting the contents to the MS, and if it is determined that the contents have not been cached, caching the contents.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3828/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE AIRCRAFT RECOVERY SYSTEM

(51) International classification :B64C25/68

(31) Priority Document No :12/796,950

(32) Priority Date :09/06/2010

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

(86) International Application No :PCT/US2011/034962

Filing Date :03/05/2011

(87) International Publication No :WO 2011/156062

(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)MILLER Stephen W.

2)FOX Steven J.

3)SCHILL Graham W.

4)ASKE Brian A.

(57) Abstract :

Apparatus for the recovery of an aircraft includes a capture device and first and second pole pairs. Each first and second pole pair includes top and bottom poles. First pole pair is configured to move from a first position, in which the pole pair holds the capture device in an open position to capture the aircraft, to a second position, in which the pole pair holds the capture device in a closed position to contain the captured aircraft after impact of the aircraft on the capture device. The second pole pair is also configured to move from the first position to the second position. Energy elements coupled on one end to a respective top or bottom portion of the capture device and on another end to a respective top or bottom pole, are disposed to absorb the force of the impact of the aircraft.

No. of Pages : 31 No. of Claims : 20

(54) Title of the invention : NEW LOW MOLECULAR WEIGHT COMPLEXES BETWEEN IRON AND MALTOBIONIC ACID, USE THEREOF FOR INTRAMUSCULAR OR SUBCUTANEOUS ADMINISTRATION IN THE TREATMENT OF ANEMIC STATES, AND NEW PHARMACEUTICAL COMPOSITIONS ADAPTED FOR THESE USES

(51) International classification	:C07H15/04,A61K31/7032	(71)Name of Applicant :
(31) Priority Document No	:MI2010A001028	1)BIOFER S.p.A.
(32) Priority Date	:09/06/2010	Address of Applicant :Via Canina, 2, I-41036 Medolla, Italy
(33) Name of priority country	:Italy	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/059498	1)AUTUORI, Michele
Filing Date	:08/06/2011	2)BOSI, Dario
(87) International Publication No	:WO 2011/154452	3)LAPINI SACCHETTI, Alessandro
(61) Patent of Addition to Application Number	:NA	4)MARCHI, Egidio
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

New low molecular weight complexes between iron and maltobionic acid that can be administered parenterally, preferably intramuscularly or subcutaneously, in the treatment of anemic states, caused by iron deficiencies, and new pharmaceutical compositions adapted for this use. In particular, the invention provides a new complex between preferably trivalent iron and maltobionic acid that is characterized by a molecular weight Mw between 10,000 and 30,000 Da, by a polydispersity of 1.0-1.8 and by an iron content between 25% and 40% by weight.

No. of Pages : 39 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4083/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HETEROCYCLIC COMPOUNDS AS JANUS KINASE INHIBITORS

(51) International classification :C07D487/04,A61P35/00,A61K31/53
(31) Priority Document No :61/349,364
(32) Priority Date :28/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038387
Filing Date :27/05/2011
(87) International Publication No :WO 2011/150356
(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)KOTIAN, PRAVIN, L.
3)WU, MINWAN

(57) Abstract :

The invention provides compounds of formula I: or a salt thereof as described herein. The invention also provides pharmaceutical compositions comprising a compound of formula I, processes for preparing compounds of formula I, intermediates useful for preparing compounds of formula I and therapeutic methods for suppressing an immune response or treating cancer or a hematologic malignancy using compounds of formula I.

No. of Pages : 132 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4084/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR RESOLVING EMULSIONS IN ENHANCED OIL RECOVERY OPERATIONS

(51) International classification :C10G33/04,C09K3/00,C07C215/40

(31) Priority Document No :12/822,815

(32) Priority Date :24/06/2010

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

(86) International Application No :PCT/US2011/041139

Filing Date :21/06/2011

(87) International Publication No :WO 2011/163155

(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)NGUYEN DUY T.

(57) Abstract :

Disclosed and claimed is a method of demulsifying an emulsion comprising water and oil. The method comprises adding an effective amount of a composition comprising at least one substantially fully quaternized ammonium adduct of polyephalohydrin that has a molecular weight from about 500 Da to about 2,500 Da.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4085/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR STRUCTURING A FUNCTION PLAN INTO FUNCTION PLAN SECTIONS

(51) International classification :G05B19/042
(31) Priority Document No :10169526.0
(32) Priority Date :14/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058451
Filing Date :24/05/2011
(87) International Publication No :WO 2012/007215
(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)ANDRE TURNAUS

(57) Abstract :

The invention relates to a method for structuring a function plan (1) into function plan sections (2), wherein the function plan (1) comprises function modules (3) and individual function modules (3) are connected to at least one other function module (3) by means of at least one function module connection (4), wherein each function plan section (2) forms a predefined area for representing at least one part of the function plan (1), wherein the function module connection (4) between two function modules (3) of different function plan sections (2) of the function plan (1) is a function module external connection (5). In order to enable optimized structuring of the function plan (1) into function plan sections (2), it is proposed that, if the function plan (1) exceeds the predefined area of the function plan section (2), a first determination of the arising function module external connections (5) in an assignment of the individual function modules (3) to the individual function plan sections (2) occurs for each function plan variant, and the individual function modules (3) are assigned to the function plan sections (2) according to the function plan variant having the least possible number of function module external connections (5).

No. of Pages : 33 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3819/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS AND METHODS FOR SPREADING FIBER BUNDLES FOR THE CONTINUOUS PRODUCTION OF PREPREG

(51) International classification	:D02J1/18
(31) Priority Document No	:61/333,461
(32) Priority Date	:11/05/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/034477
Filing Date	:29/04/2011
(87) International Publication No	:WO 2011/142990
(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)JUNKER, Shawn, Walden

2)POH, Shaun, Michael

3)YEE, Ping

4)ROGERS, Scott, Alfred

5)VANHORNE, Thomas, A.

(57) Abstract :

Apparatus for producing spread fiber bundles by strategic use of tension control throughout the device and use of higher differential speeds between driven rollers and line speed of the running fiber bundle are provided herein along with methods for producing spread fibers, prepregs, and articles of manufacture therefrom.

No. of Pages : 30 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4097/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD OF DISSOLVING LIGNOCELLULOSIC MATERIALS

(51) International classification :C08L1/02,C08J3/09,D21C3/20
(31) Priority Document No :20105727
(32) Priority Date :23/06/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/050609
Filing Date :23/06/2011
(87) International Publication No :WO 2011/161326
(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)KING,ALISTAIR W. T.

2)KILPELÄINEN,ILKKA

(57) Abstract :

The invention describes solutions containing cellulose and a method of dissolving lignocellulosic materials. In the method, the lignocellulosic material is contacted with a conjugate acid, formed by a strong organic base and a weaker acid, under conditions which are conducive to at least a partial dissolution of the cellulosic components of the lignocellulosic material. It has been found that it is possible to recover at least a portion of the dissolved part of the lignocellulosic material by at least partial dissociation of the conjugate acid. Furthermore it is possible to recover at least a portion of the dissociated organic base and the acid, to form a conjugate acid of the recovered base and acid, and to recycle it for use in the first steps of the method.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4098/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : POWER GENERATION CONTROL DEVICE AND POWER GENERATION CONTROL METHOD FOR VEHICLE

(51) International classification :F02D29/06,B60T8/32,B62D5/04
(31) Priority Document No :2010-124236
(32) Priority Date :31/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059965
Filing Date :22/04/2011
(87) International Publication No :WO 2011/152152
(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)TAKESHI WATANABE

(57) Abstract :

Disclosed is a device for controlling a power generator which is driven by the motive force of an engine. Said device comprises a brake operation amount detector for detecting the amount of operation of a brake, and a power generation amount setting unit for setting a reduced amount of power generation by the power generator when vehicle acceleration is anticipated, according to the amount of brake operation.

No. of Pages : 47 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4099/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : PLAY-REDUCING CONTROL APPARATUS FOR ELECTRICALLY DRIVEN VEHICLE

(51) International classification :B60L15/20
(31) Priority Document No :2010-123780
(32) Priority Date :31/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059252
Filing Date :14/04/2011
(87) International Publication No :WO 2011/152129
(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)NAKAMURA Yohei
2)KAZAMA Isamu
3)YOSHIMURA Futoshi

(57) Abstract :

Provided is a play-reducing control apparatus for an electrically driven vehicle, wherein, when the gearshift range is switched from a non-driving range to a driving range at a timing (t2) during a creeping cut period (t1 t4), a flag (FLAG) is set to 1, and a timer (T) is started after being reset and clocks the time elapsed since t2. In the interval between t2 and t3 whereat the timer (T) is less than a preset time (T1), if the gearshift range is in a forward driving range, this fact and the FLAG being 1 makes the motor output a play reducing torque in the forward rotating direction, indicated by a solid line, and if the gearshift range is in a backward driving range this fact and the FLAG being 1 makes the motor output a play reducing torque in the backward rotating direction, indicated by a broken line. At t3 whereat the timer (T) reaches the preset time (T1), the FLAG is set to 0 and the timer (T) is set to the preset time (T1) in preparation for the next play reduction control. Therefore, there will be no play reducing torque outputted after t3, but since the play reduction of the power transmission system will already have been completed by the play reducing torque applied thereto for the duration of the preset time (T1) from t2, there will be no abnormal noise generated upon restarting the creeping or upon normal starting-accelerating, after t4.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4110/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD OF TREATING ROLLED STEEL ARTICLE

(51) International classification :C23G1/08,B21B45/04
(31) Priority Document No :61/348,924
(32) Priority Date :27/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/050316
Filing Date :20/05/2011
(87) International Publication No :WO 2011/147037
(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)MATHEWS ,MATTHEW MARIS
(72)Name of Inventor :
1)DYCK ,JOHN WAYNE
2)MATHEWS,MATTHEW MARIS

(57) Abstract :

A process is disclosed in which hot rolled or cold rolled steel articles such as tube pipe plate and sheet are cleaned of mill scale surface rust and oils. The cleaning compositions compromise a solution mixture of diluted hydrochloric acid a non anionic surfactant a non ionic non denaturing detergent sodium carbonate a water conditioner and water and a drying compound of an aqueous alcohol solution. The solutions are used independently within the 5 step process that cleans rinses and removes all moisture from the steel to provide a surface that optimizes subsequent manufacturing a fabrication process including welding laser cutting and the coating process.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3944/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM FOR PRODUCING AND DISTRIBUTING AN OZONATED FLUID

(51) International classification :B08B7/04
(31) Priority Document No :12/816,861
(32) Priority Date :16/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039711
Filing Date :09/06/2011
(87) International Publication No :WO 2011/159541
(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)LYNN, Daniel, W.

(57) Abstract :

A system for producing and distributing an ozonated fluid is described. The system includes a tank for a fluid. A skid is in fluidic communication with the tank to receive the fluid from the tank. The skid includes an ozone generator to generate ozone gas and an injector to inject the fluid with the ozone gas to produce an ozonated fluid. A distribution network distributes the ozonated fluid for application. The distribution network is in fluid communication with the tank to return unapplied ozonated fluid to the tank.

No. of Pages : 32 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3945/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : OZONATED LIQUID DISPENSING UNIT

(51) International classification :C01B13/11,B01J19/08,B01J19/00

(31) Priority Document No :12/816,837

(32) Priority Date :16/06/2010

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

(86) International Application No :PCT/US2011/039756

Filing Date :09/06/2011

(87) International Publication No :WO 2011/159544

(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)LYNN, Daniel, W.

(57) Abstract :

A ozonated liquid dispensing unit is described. The unit produces and dispenses an ozonated liquid that may be used to clean and sanitize a variety of articles or used in conjunction with cleaning processes and other apparatus. The unit includes a liquid input port to receive liquid into the unit. The unit includes a first dielectric cell for producing ozone gas from ambient air and a second dielectric cell for producing ozone gas. The first dielectric cell is in supply communication with the second dielectric cell for supplying the second dielectric cell with a supply gas containing the ozone gas generated from the ambient air. The second dielectric cell produces ozone gas from the supply gas. An injector is in fluidic communication with the liquid input port. The injector in supply communication with the second dielectric cell for receiving the ozone gas from the second dielectric cell, and the injector mixes the ozone gas from the second dielectric cell with the liquid from the liquid input port to produce an ozonated liquid. A liquid output port discharges the ozonated liquid from the unit. A faucet or spray may be used to control the discharge of the ozonated liquid from the unit.

No. of Pages : 41 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.410/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : SLIDING NOZZLE PLATE

(51) International classification :B22D41/32,C04B35/101
(31) Priority Document No :2010-270405
(32) Priority Date :03/12/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/074786
Filing Date :27/10/2011
(87) International Publication No :WO 2012/073620
(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)NAKAMOTO , YUJI

3)KIKUKAWA, SHOJI

4)OOMARU, ZENTA

(57) Abstract :

The present invention provides an SN plate capable of increasing in size using a highly erosion-resistant, high thermal expansion, flame-resistant material. In this invention, erosion resistance is increased by adding aluminum, and a specific flame resistant material (1a) that has a thermal expansion rate at 1,500°C of 1.15- 2.50% is partially deposited so as to cover at least a critical usage part. The specific flame- resistant material (1a) has a thickness of 15-25 mm. Parts other than those where the specific flame-resistant material (1a) is deposited are formed from a non-fired heat-resistant material or a fired heat-resistant material, a primary component of which is alumina carbon.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4120/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HOUSEHOLD APPLIANCE COMPRISING AN OZONE GENERATOR

(51) International classification	:D06F25/00,D06F35/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 038 620.0	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:29/07/2010	Address of Applicant :CARL-WERY-STR. 34, 81739
(33) Name of priority country	:Germany	MÜNCHEN, GERMANY
(86) International Application No	:PCT/EP2011/062336	(72)Name of Inventor :
Filing Date	:19/07/2011	1)EGLMEIER, HANS
(87) International Publication No	:WO 2012/013539	2)HANAU, ANDREAS
(61) Patent of Addition to Application Number	:NA	3)SCHAUB, HARTMUT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a household appliance (1) used especially as a laundry treatment appliance for washing and/or drying laundry said appliance comprising a treatment area (5) a mist generator (3) and an ozone generator (2). An ozone containing mist can be produced by the ozone generator (2) and the mist generator (3). Furthermore, the ozone containing mist can be guided into the treatment area (5). In this way an advantageous cleaning action, for example, for washing laundry, can be obtained with reduced expenditure of energy.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4121/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR DISTRIBUTING AND EXCHANGING ELEMENTS FOR PLANNING AND/OR FOR OPERATING AUTOMATION OPERATING EQUIPMENT

(51) International classification	:G06F9/44,G05B19/418
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2010/004602
Filing Date	:27/07/2010
(87) International Publication No	:WO 2012/013203
(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)GUTERMUTH ,GEORG

3)JUNG, VOLKER

4)DRATH, RAINER

(57) Abstract :

The present application relates to a system (10) for distributing and exchanging elements for planning and/or operating automation operating equipment, comprising at least one interface device (12), at least one processing device (14) and at least one data store (16), wherein the interface device (12) effects an integrated connection to at least one engineering tool (18 20) and/or an integrated link to at least one engineering tool (18, 20) such that functionalities of the at least one interface device (12) and of the at least one processing device (14) can be retrieved from the respective engineering tool (18, 20) and carried out. By means of the respective processing device (14) in cooperation with the respective interface device (12) and the respective engineering tool (18, 20) elements (22a, b) created and/or marked by a first engineering tool (18) can be transferred to the respective processing device (14) and processed and/or can be made available on the at least one data store (16) to be retrieved and/or to be transferred to and/or implemented in at least one further second engineering tool (20). The invention further relates to a corresponding method to be carried out by means of the aforementioned system (10).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4065/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FASTENING OF A SUPPORT RAIL FOR A PV MODULE TO A TRAPEZOIDAL SHEET

(51) International classification :F24J2/52,H01L31/042
(31) Priority Document No :10 2010 021 713.1
(32) Priority Date :27/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/001084
Filing Date :19/05/2011
(87) International Publication No :WO 2011/147404
(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)URBAN, HANS
2)FLUHRER, DIETER

(57) Abstract :

The fastening of a support rail (1) for a photovoltaic module onto a trapezoidal rib (3) of a trapezoidal sheet (5) comprises a material-efficient retaining element (8). The retaining element (8) has a fastening section (10), which is fastened either on the left or right to a slanted side (15a) of the rib (3). An engaging extension is irremovably arranged on the fastening section (10). In an engaging position, the engaging extension reaches behind a groove (6) in the underside (20) of the support rail (1). In a loose position rotated from the engaging position, the engaging extension can be inserted through the groove opening into the groove (6). The support rail (1) can be held against the upper side (17) of the rib (3) by means of the engaging extension.

No. of Pages : 22 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4066/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM OF MEASURING CURRENT IN AN ELECTRIC METER

(51) International classification :G01R19/00

(31) Priority Document No :12/849,877

(32) Priority Date :04/08/2010

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

(86) International Application No :PCT/US2011/043857

Filing Date :13/07/2011

(87) International Publication No :WO 2012/018488

(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)HAMO, DAVID

(57) Abstract :

A method and system for measuring the current flowing through an electric meter. The electric meter includes a reactive sensor positioned in series with a bus bar contained in the meter. The reactive sensor includes an inductor and the voltage across the inductance is measured. A control unit contained in the electric meter calculates the current based on the detected voltage and the value of the inductor. The value of the inductor is determined by passing a reference current through the inductor at a known frequency such as 50 Hz or 60 Hz and the voltage drop across the inductor is measured. Once the value of the inductor is determined the value is stored in the control unit.

No. of Pages : 21 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4067/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ALKALOID AMINOESTER DERIVATIVES AND MEDICINAL COMPOSITION THEREOF

(51) International classification :C07D453/02,C07D413/06,A61K31/4025
(31) Priority Document No :10166894.5
(32) Priority Date :22/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058802
Filing Date :30/05/2011
(87) International Publication No :WO 2011/160919
(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)AMARI, GABRIELE
2)RICCABONI, MAURO

(57) Abstract :

The present invention relates to alkaloid aminoester derivatives acting as muscarinic receptor antagonists processes for their preparation compositions comprising them and therapeutic uses thereof.

No. of Pages : 108 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4068/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ALKALOID AMINOESTER DERIVATIVES AND MEDICINAL COMPOSITION THEREOF

(51) International classification :C07D453/02,A61K31/439,A61P11/00
(31) Priority Document No :10166898.6
(32) Priority Date :22/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058801
Filing Date :30/05/2011
(87) International Publication No :WO 2011/160918
(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)RICCABONI, MAURO
3)CALIGIURI, ANTONIO

(57) Abstract :

The present invention relates to alkaloid aminoester derivatives acting as muscarinic receptor antagonists processes for their preparation compositions comprising them and therapeutic uses thereof.

No. of Pages : 109 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4069/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPLANTABLE PROSTHESES

(51) International classification :A61F2/40,A61F2/46,A61B17/86
(31) Priority Document No :61/348,465
(32) Priority Date :26/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038096
Filing Date :26/05/2011
(87) International Publication No :WO 2011/150180
(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)FLAHERTY, J., CHRISTOPHER

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3)MARTIN, AMORY, ADRIAN, GREGORY

(57) Abstract :

Prosthesis, tools and surgical methods treat joint instability by avoiding loosening over time. A shoulder prosthesis includes a humeral member with a humeral joint surface and a humeral fixation member and a glenoid member comprising a glenoid body with a glenoid joint surface, and a glenoid fixation member attaching the glenoid body to a scapula. The glenoid fixation member may be attached orthogonally to the scapula. A dampener may be included to absorb loads that may loosen one or more components of the prosthesis.

No. of Pages : 115 No. of Claims : 315

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4070/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DRY POWDER FORMULATION COMPRISING AN ANTIMUSCARINIC DRUG

(51) International classification :A61K9/14,A61K31/439,A61K9/00
(31) Priority Document No :10166903.4
(32) Priority Date :22/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058804
Filing Date :30/05/2011
(87) International Publication No :WO 2011/160920
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CHIESI FARMACEUTICI S.P.A.
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PARMA Italy
(72)Name of Inventor :
1)SCHIARETTI, FRANCESCA

(57) Abstract :

The invention relates to a dry powder formulation suitable for the inhalatory administration by means of a dry powder inhaler, comprising an antimuscarinic drug as active ingredient. The invention also relates to the process for the preparation of the formulation and to its use in the prevention and/or treatment of a wide range of conditions including respiratory disorders.

No. of Pages : 31 No. of Claims : 23

(54) Title of the invention : ENGINE AND SADDLE RIDING TYPE VEHICLE

(51) International classification :F16H7/08,F02B61/02,F02B67/06

(31) Priority Document No :2011-114077

(32) Priority Date :20/05/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/061762

Filing Date :08/05/2012

(87) International Publication No :WO 2012/160959

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

Address of Applicant :2500 SHINGAI, IWATA-SHI, SHIZUOKA 438-8501, JAPAN

(72)Name of Inventor :

1)INOMORI TOSHINORI**2)NAKAJIMA AKITOSHI**

(57) Abstract :

Provided are: an engine that, using a low number of components, can put a cam chain under tension; and a saddle-type vehicle provided with said engine. Said engine (44) is provided with a chain chamber (210). Said chain chamber contains a chain (154) and a tensioner (158) that puts said chain under tension. Said tensioner includes a leaf spring (166) and a blade shoe (168) that supports said leaf spring and contacts the chain inside the chain chamber. The engine is also provided with a support shaft (240) and a support part. Said support shaft pivotably supports the tensioner. The support part supports the tensioner by contacting a supported part (228) formed on the blade shoe. When the tensioner pivots about the support shaft, the support part supports the supported part such that said supported part can slide within the chain chamber.

No. of Pages : 55 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4160/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD, WIRELESS BASE STATION, AND RELAY NODE

(51) International classification	:H04W74/08,H04W16/26	(71)Name of Applicant :
(31) Priority Document No	:2010-155939	1)NTT DOCOMO, INC.
(32) Priority Date	:08/07/2010	Address of Applicant :11-1, NAGATACHO 2-CHOME,CHIYODA-KU, TOKYO 1006150 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:PCT/JP2011/065614	1)MORIOKA, YASUFUMI
Filing Date	:07/07/2011	2)TAKAHASHI,HIDEAKI
(87) International Publication No	:WO 2012/005336	3)OKUMURA, YUKIHIKO
(61) Patent of Addition to Application Number	:NA	4)IWAMURA, MIKIO
Filing Date	:NA	5)YAMADA, AKIRA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A mobile communication method comprises: a step in which when a wireless base station (DeNB) receives an RA Preamble from a mobile station (UE), the wireless base station (DeNB) transmits an RA Response to the mobile station (UE) within an RA Response window for mobile stations (UE); a step in which a relay node (RN) transmits a signal to the mobile station (UE) by a subframe other than an MBSFN subframe; and a step in which when the wireless base station (DeNB) receives an RA Preamble from the relay node (RN), the wireless base station (DeNB) transmits an RA Response to the relay node (RN) by an MBSFN subframe within an RA Response window for relay nodes (RN).

No. of Pages : 33 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4161/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LIPOSOMES WITH LIPIDS HAVING AN ADVANTAGEOUS PKA- VALUE FOR RNA DELIVERY

(51) International classification :A61K9/127,A61K39/00,C12N15/86
(31) Priority Document No :61/371,830
(32) Priority Date :06/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043105
Filing Date :06/07/2011
(87) International Publication No :WO 2012/006378
(61) 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)GEALL, ANDREW

(57) Abstract :

RNA encoding an immunogen is delivered in a liposome for the purposes of immunisation. The liposome includes lipids which have a pKa in the range of 5.0 to 7.6 and preferably a tertiary amine. These liposomes can have essentially neutral surface charge at physiological pH and are effective for immunisation.

No. of Pages : 57 No. of Claims : 14

(54) Title of the invention : A METHOD FOR QUANTITATIVE TRANSFER OF ANALYTES

(51) International classification :G01N1/02,A61B10/00,B01L3/00	(71)Name of Applicant :
(31) Priority Document No :MI2010A001032	1)COPAN ITALIA S.P.A.
(32) Priority Date :09/06/2010	Address of Applicant :VIA PEROTTI, 10, I-25125 BRESCIA
(33) Name of priority country :Italy	Italy
(86) International Application No :PCT/IB2011/050246	(72)Name of Inventor :
Filing Date :19/01/2011	1)TRIVA, DANIELE
(87) International Publication No :WO 2011/154849	
(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 transferring a quantity of analytes, such as micro organisms antibodies/antigens, anti microbially acting substances, nucleotides, antibiotics, hormones DNA sequences, enzymes, organic material biological material or material of biological origin, terrain enriching supplements or selective supplements of cultivating land comprising at least stages of: predisposing a substantially homogeneous mixture of a predetermined initial quantity of at least an analyte and a liquid, obtaining a concentration value or known amount of the analyte in the mixture; introducing into the mixture at least a collecting portion (3) of a sampling device (1) having a support body (2), the collecting portion (3) comprising a first portion (2a) of the support body (2) and a plurality of fibres (6) attached to and arranged on the first portion (2a) of the support body (2) by means of flocking, in order to define a flocked collecting portion (3) or a flocked tampon such as to collect a part of the mixture on the collecting portion (3); and extracting the collecting portion (3) of the sampling device (1) of the mixture retaining on the sampling portion (3) a predetermined known quantity of the mixture to be transferred.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3925/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL METHODS FOR THE PREPARATION OF P2X7R ANTAGONISTS

(51) International classification	:C07D209/14,C07D209/40	(71)Name of Applicant :
(31) Priority Document No	:10162812.1	1)AFFECTIS PHARMACEUTICALS AG
(32) Priority Date	:14/05/2010	Address of Applicant :Fraunhoferstr. 13, 82152 Martinsried,
(33) Name of priority country	:EPO	GERMANY
(86) International Application No	:PCT/EP2011/053283	(72)Name of Inventor :
Filing Date	:04/03/2011	1)BÖS, Michael
(87) International Publication No	:WO 2011/141194	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are novel methods for the synthesis of N substituted indol 3 yl alkylamide compounds which act as P2X7R antagonists, said methods involving the rearrangement of an oxime intermediate.

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

(54) Title of the invention : PROCESS, MOULD, DEVICES AND KIT FOR MANUFACTURING PRODUCTS MADE OF COMPOSITE MATERIALS, AS WELL AS PRODUCTS MANUFACTURED WITH THIS PROCESS AND/OR WITH THESE MEANS

(51) International classification :B29C70/68,B29C33/14,B29C43/18
(31) Priority Document No :MI2010A001220
(32) Priority Date :02/07/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/052906
Filing Date :01/07/2011
(87) International Publication No :WO 2012/001660
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)AUTOMOBILI LAMBORGHINI S.P.A.
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SANT'AGATA BOLOGNESE BO ITALY.
(72)Name of Inventor :
1)PASINI, NICOL'

(57) Abstract :

Process for manufacturing products (26) made of composite materials, characterized in that it comprises the following operating steps: -screwing at least one insert (1) provided with a threaded hole (2) on the outer thread (10) of at least one pin (8) partially inserted in a removable manner in a mould (23); arranging on the mould (23) one or more fiber layers (25) provided with a least one opening in which the insert (1) is arranged; - curing resin with the layers (25) arranged on the mould (23), so as to obtain a product (26) made of composite material which incorporates the insert (1) and the layers (25); - rotating the pin (8) in the insert (1) for removing it from the mould (23).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4147/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SGC STIMULATORS

(51) International classification :C07D401/04,C07D401/14,C07D405/14
(31) Priority Document No :61/360,236
(32) Priority Date :30/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042716
Filing Date :30/06/2011
(87) International Publication No :WO 2012/003405
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)IRONWOOD PHARMACEUTICALS, INC.
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CAMBRIDGE, MA 02142 U.S.A.
(72)Name of Inventor :
1)KIM, CHARLES
2)NAKAI, TAKASHI
3)WAI-HO LEE, THOMAS
4)MOORE, JOEL
5)PERL, NICHOLAS, ROBERT
6)ROHDE, JASON
7)IYENGAR, RAJESH, R.
8)MERMERIAN, ARA
9)FRETZEN, ANGELIKA

(57) Abstract :

Compounds of Formula (I) are described. They are useful as stimulators of sGC, particularly NO- independent, heme-dependent stimulators. These compounds may be useful for treating, preventing or managing various disorders that are herein disclosed.

No. of Pages : 386 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4148/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CUTTER DEVICE FOR ABSORBENT ARTICLE WORKPIECES

(51) International classification :A61F13/15,A61F13/49,B26F1/38

(31) Priority Document No :2010-158087

(32) Priority Date :12/07/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/065474

Filing Date :06/07/2011

(87) International Publication No :WO 2012/008341

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)UNI-CHARM CORPORATION

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SHIKOKUCHUO-SHI, EHIME 7990111 Japan

(72)Name of Inventor :

1)SAGA, TOMOYUKI

(57) Abstract :

The present invention provides a cutter device that cuts a workpiece of an absorbent article that is conveyed in a conveyance direction. The cutter device comprises a cutter roll whereon a cutter blade is disposed that protrudes from the external circumference face, and an anvil roll that receives the cutter blade by an external circumference face that is positioned in opposition to the external circumference face of the cutter roll. The cutter roll and the anvil roll rotate against one another along the conveyance direction, and cut the workpiece by passing the workpiece between the cutter roll and the anvil roll. At least one of either the cutter roll or the anvil roll further comprises a motion balance correction unit that corrects the motion balance of the roll such that the sum of the values of balance quality (mm/sec), as defined by JIS B 0905, of one end side and the other end side of the roll in the rotational axis direction is less than or equal to six.

No. of Pages : 51 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4149/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FIBROUS PLANT STALK DECORTICATOR

(51) International classification :D01B1/14,D01B1/10,D01B1/28
(31) Priority Document No :61/359,089
(32) Priority Date :28/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2011/042245
Filing Date :28/06/2011
(87) International Publication No :WO 2012/006118
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :

1)BASTLAB, INC.

Address of Applicant :5507 HOWARD STREET, OMAHA,
NE 68106 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)LUPIEN, JOHN

2)DYAS, MICHAEL

(57) Abstract :

A fibrous plant stalk decorticator is disclosed. The decorticator includes a feeding device a breaker roll having a first plurality of blades, and a skutcher roll having a second plurality of blades. The skutcher is positioned such that the first and second pluralities of blades overlap. A plurality of air outlets pass through the blades and are configured to provided pressurized air to the fibrous plant stalk as it is passed through the decorticator.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4170/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SILENCER FOR A MULTI -LEAF SPRING

(51) International classification	:F16F1/20,B60G11/02	(71)Name of Applicant :
(31) Priority Document No	:2010-167340	1)NHK SPRING CO., LTD.
(32) Priority Date	:26/07/2010	Address of Applicant :10,FUKUURA 3-
(33) Name of priority country	:Japan	CHOME,KANAZAWA-KU,YOKOHAMA-SHI, KANAGAWA
(86) International Application No	:PCT/JP2011/065298	2360004 JAPAN
Filing Date	:04/07/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/014635	1)YANO, JUNICHI
(61) Patent of Addition to Application	:NA	2)SATO ,NAOSHI
Number	:NA	3)SAKAIDE, NORITOSHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a silencer for a multi-leaf spring whereby both the strength of a protruding part is increased and anomalous noises are prevented and a component count is reduced due to structural simplification and increased ease of manufacture. Said silencer (1), which is disposed between the ends of leaf springs (101 and 102) in a multi leaf spring (100) has a two layer structure comprising a fixed layer (11) and a sliding layer (21) formed as a single unit. The fixed layer (11) has a protruding part (12) with an engagement part (13) formed in the tip thereof. The fixed layer (11) which is affixed to a fixed side leaf spring (101) has a higher tensile strength than the sliding layer (21). The sliding layer (21), which abuts against a sliding side leaf spring (102) is harder than the fixed layer (11). The protruding part (12) of the fixed layer (11) can exhibit sufficient strength with respect to shear forces. The sliding layer (21) is not prone to anomalous noises and can even minimize anomalous noises when a load transmission part of the end of the sliding side leaf spring (102) makes off center contact.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.406/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : INFORMATION PROCESSING APPARATUS AND UPDATE PROCESS SUPPORT SYSTEM

(51) International classification :G06F9/445
(31) Priority Document No :2010-182850
(32) Priority Date :18/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/068485
Filing Date :08/08/2011
(87) International Publication No :WO 2012/023528
(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)HAN , XIAOFENG
2)SUGIURA, YUUKO
3)HIROKAWA, TOMOYA
4)IKAWA, TAKU

(57) Abstract :

An information processing apparatus includes a storage unit that stores reboot necessity information for respective versions of programs that are install targets of an electronic device, the reboot necessity information indicating whether the electronic device needs to be rebooted when a first program of a first version installed in the electronic device is updated to a second program of a second version; an extracting unit that extracts difference information indicating a difference between the first program and the second program in response to a request to acquire the second program, the request specifying the first version of the first program; a determining unit that determines whether the electronic device needs to be rebooted when the second program is installed, based on the difference between the first version and the second version indicated in the difference information and the reboot necessity information; and a responding unit that returns a determination result.

No. of Pages : 63 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4060/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COATING AGENT FOR PHARMACEUTICAL SOLID PREPARATION, PHARMACEUTICAL FILM FORMULATION, AND COATED PHARMACEUTICAL SOLID PREPARATION

(51) International classification :A61K47/34,A61K9/32,A61K9/70

(31) Priority Document No :2010-194355

(32) Priority Date :31/08/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/069692

Filing Date :31/08/2011

(87) International Publication No :WO 2012/029820

(61) Patent of Addition to

Application Number :NA

Filing Date :NA

(62) Divisional to Application

Number :NA

Filing Date :NA

(71)Name of Applicant :

1)TORAY INDUSTRIES, INC.

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(72)Name of Inventor :

1)FUJISAKI, YUKI

2)YOSHII, RYOJI

3)TAKAKI, SUGURU

(57) Abstract :

An object of the present invention is to provide a coating agent for a pharmaceutical solid preparation, which imparts an unpackaged pharmaceutical solid preparation with excellent barrier properties equivalent to those of a PTP sheet without affecting the disintegration properties of the pharmaceutical solid preparation. Provided is a coating agent for a pharmaceutical solid preparation which comprises a polyethylene glycol having an average molecular weight of 950 to 25,000 and a swelling clay, wherein the mass ratio of the polyethylene glycol and the swelling clay is 2:8 to 6:4.

No. of Pages : 49 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4061/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SELECTIVELY ETCHING OF A CARBON NANO TUBES (CNT) POLYMER MATRIX ON A PLASTIC SUBSTRUCTURE

(51) International classification	:H01L51/00
(31) Priority Document No	:10005321.4
(32) Priority Date	:21/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/002085
Filing Date	:26/04/2011
(87) International Publication No	:WO 2011/144292
(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)STOCKUM WERNER
2)MEIJER ARJAN
3)KOEHLER INGO

(57) Abstract :

The present invention refers to a method for selectively structuring of a polymer matrix comprising CNT (carbon nano tubes) on a flexible plastic substructure. The method also includes a suitable etching composition which allows to proceed the method in a mass production.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4062/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ANISOTROPIC CONDUCTIVE ADHESIVE, METHOD OF PRODUCING THE SAME, CONNECTION STRUCTURE AND PRODUCING METHOD THEREOF

(51) International classification :C09J201/00,C09J7/00,C09J9/02
(31) Priority Document No :2010-153825
(32) Priority Date :06/07/2010
(33) Name of priority country :Japan
(86) International Application No:PCT/JP2011/064796
Filing Date :28/06/2011
(87) International Publication No :WO 2012/005144
(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)JUN SAKAMOTO

2)MISAO KONISHI

(57) Abstract :

In an anisotropic conductive adhesive including a magnetic powder such as nickel-coated resin particles used as conductive particles, the conductive particles are present in an insulating adhesive composition without being aggregated. The magnetic powder used as the conductive particles is at least partially composed of a magnetic material. In this case, demagnetization has been performed on the conductive particles in a powder form that have not been dispersed in the insulating adhesive composition, the conductive particles in a paste obtained by dispersing the conductive particles in the insulating adhesive composition, or the conductive particles in a film formed from the paste, before establishment of an anisotropic conductive connection using the anisotropic conductive adhesive.

No. of Pages : 60 No. of Claims : 31

(54) Title of the invention : ENGINE AND STRADDLE TYPE VEHICLE

(51) International classification :F02B67/06,F02B61/02,F16H7/08
 (31) Priority Document No :JP2011-114093
 (32) Priority Date :20/05/2011
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2012/061870
 Filing Date :09/05/2012
 (87) International Publication No :WO 2012/160973
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

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(72)Name of Inventor :

1)TOSHINORI INOMORI**2)AKITOSHI NAKAJIMA**

(57) Abstract :

An arrangement is provided using a blade tensioner that serves as both a tensioner and a cam chain guide to tension the cam chain, where the cam chain can be easily attached to an engine having a cylinder body that does not have a side that can be opened. A tensioner (158) has a leaf spring(166) and a blade shoe (168) that supports the leaf spring (166) and may contact the cam chain (154) in a chain room. An engine (44) includes a bolt (164) that can be inserted into a support hole (250) formed in the tensioner (158) and can swingably support the tensioner (158), and a support pin (170) that can contact a contact portion (178) of the blade shoe (168) to support the tensioner (158). The bolt (164) is provided in a cylinder head (128). The support pin (170) is provided in a crankcase (84) and supports the tensioner (158) in such a way that the contact portion (178) is slidable.

No. of Pages : 28 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3950/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RADIO COMMUNICATION METHOD AND RADIO COMMUNICATION APPARATUS

(51) International classification :H04W24/10

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2010/060429
Filing Date :21/06/2010

(87) International Publication No :WO 2011/161744

(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)KAWASAKI Yoshihiro

3)OHTA Yoshiaki

4)OBUCHI Kazuhisa

(57) Abstract :

In a wireless communication method, in which a first wireless communication device and a second wireless communication device wirelessly communicate using multiple frequency ranges the first wireless communication device transmits first channel quality information requests that correspond to each of the multiple frequency ranges to the second wireless communication device. The second wireless communication device, after receiving the first channel quality information requests, transmits information regarding the channel state of the frequency ranges set by the first channel quality information requests to the first wireless communication device.

No. of Pages : 139 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3951/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : HARVESTING MACHINE

(51) International classification	:A01D45/10
(31) Priority Document No	:102010026400.8
(32) Priority Date	:07/07/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/002935
Filing Date	:15/06/2011
(87) International Publication No	:WO 2012/003920
(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)BRAKSIEK, Jochen
2)ERKENS, Udo

(57) Abstract :

The invention relates to a harvesting machine (19) for harvesting plants such as sugar beet row by row, comprising a harvesting unit that has at least one harvesting device and a chassis (20). Said harvesting unit has at least one pair (1) of brush cylinders comprising two brush cylinders (2) lying adjacent to one another and standing obliquely vertically used as a harvesting unit for stripping the leaves of the stalks (3) of the plants to be harvested, said stalks (3) being fed between the rotating brush cylinders (2) during the leaf-stripping process and having at least part of the leaves removed by the interacting brush cylinders (2). According to the invention, the brush cylinders (2) can be adjusted transversally to the harvesting direction (Y1) in order to adjust the degree of leaf-stripping during the leaf-stripping process as required, by altering the distance (x) of the brush cylinders (2) in relation to one another.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3952/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APOPTOSIS SIGNAL-REGULATING KINASE INHIBITORS

(51) International classification :C07D409/14,C07D417/14,A61K31/4196
(31) Priority Document No :61/361,080
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042694
Filing Date :30/06/2011
(87) International Publication No :WO 2012/003387
(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)CORKEY, Britton
2)NOTTE, Gregory
3)ZABLOCKI, Jeff

(57) Abstract :

The present invention relates to compounds of Formula (I): wherein X1, X2, X3, X4, X5,R, R1, R2,are as defined above. The compounds have apoptosis signal-regulating kinase (ASK1) inhibitory activity, and are thus useful in the treatment of ASK1- mediated conditions, including autoimmune disorders, inflammatory diseases, cardiovascular diseases, diabetes, diabetic nephropathy, cardio-renal diseases, including kidney disease, fibrotic diseases, respiratory diseases, COPD, idiopathic pulmonary fibrosis, acute lung injury, acute and chronic liver diseases, and neurodegenerative diseases. The invention also relates to pharmaceutical compositions comprising one or more of the compounds of Formula (I), and to methods of preparing the compounds of Formula (I).

No. of Pages : 80 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3953/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CRYSTAL FORM OF GLYCOPYRRONIUM CHLORIDE

(51) International classification :C07D207/12,A61K31/40,A61P11/00
(31) Priority Document No :10165786.4
(32) Priority Date :14/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/002893
Filing Date :13/06/2011
(87) International Publication No :WO 2011/157387
(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)PIVETTI, Fausto
2)BOCCHI, Monica
3)VIGANO', Enrico
4)LANDONIO, Ernesto

(57) Abstract :

The invention concerns a novel crystal form of threo glycopyrronium chloride, and its use in pharmaceutical applications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3954/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF GLYCOPYRRONIUM CHLORIDE

(51) International classification :C07D207/12,A61K31/40,A61P11/00
(31) Priority Document No :10165784.9
(32) Priority Date :14/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058787
Filing Date :30/05/2011
(87) International Publication No :WO 2011/157536
(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 invention concerns a method for preparing glycopyrronium chloride, and its use in pharmaceutical applications.

No. of Pages : 17 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.454/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : COOLED TRANSFORMER HAVING AT LEAST ONE STRIP WINDING

(51) International classification :H01F27/08,H01F27/28
(31) Priority Document No :1009063.8
(32) Priority Date :01/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/003569
Filing Date :18/07/2011
(87) International Publication No :WO 2012/028222
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)BOCKHOLT, MARCOS
6)TEPPER, JENS

(57) Abstract :

The invention relates to a strip winding (10, 40, 60, 70, 80) for a transformer (90), comprising a plurality of winding modules (12, 14, 44, 46, 64) each having a strip conductor (18) wound around a winding axis (16, 42, 66, 92). A winding segment is formed by at least two radially adjacent winding modules (12, 14, 44, 46, 64), wherein at least one cooling channel (22, 48, 62) extending in the axial (16, 42, 66, 92) direction is provided between at least two radially adjacent (20) winding modules (12, 14, 44, 46, 64). At least two axially (16, 42, 66, 92) adjacent winding segments are provided, and the winding modules (12, 14, 44, 46, 64) are connected electrically in series by connecting conductors (26, 50, 52). At least one connecting conductor (26, 50, 52) is led at least in sections through the cooling channel along the axial (16, 42, 66, 92) extension of said cooling channel (22, 48, 62).

No. of Pages : 17 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4031/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : INSULATOR UNIT

(51) International classification :B01J19/24,F28D9/00,F28F3/08
(31) Priority Document No :10168122.9
(32) Priority Date :01/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/059915
Filing Date :15/06/2011
(87) International Publication No :WO 2012/000789
(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)HÖGLUND, Kasper
2)LINGVALL, Magnus

(57) Abstract :

The invention relates to an insulator unit for a multipurpose flow module such as a plate reactor, comprising a plurality of thermally insulating layers arranged in a sandwich structure with a plurality of plates, to provide thermal insulation across the sandwich structure. The invention further relates to the use of such an insulator unit in a multipurpose flow module comprising one or more flow plates, to thermally insulate parts of the multipurpose flow module from each other.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4032/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FLOW MODULE PORT FITTING

(51) International classification :F16L15/04,F16L55/11
(31) Priority Document No :10168141.9
(32) Priority Date :01/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/SE2011/050865
Filing Date :29/06/2011
(87) International Publication No :WO 2012/002892
(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)LINGVALL, Magnus
2)HÖGLUND, Kasper

(57) Abstract :

A flow module port fitting(2) to be inserted in port hole (14) in a flow module, which port hole is in communication with flow channel (10). The port fitting comprises a head (3), and a shaft (4) with a centre axis (A- A), attached to the head (3), wherein the shaft (4) has a first (4a) and a second end portion (4b), the port fitting comprises further a fastening element (5) at its first end portion (4a) for fastening the port fitting to the flow module (1) or flow plate (13). The port fitting comprises further a seal (6) arranged either externally on said shaft (4) or seal (6) is arranged at the second end portion (4b) facing away from the head (3), or seal (6) is arranged in the short side of said second end portion (4b), wherein seal (6) is sealing port hole (14) together with port fitting (2) from the fluids flowing in flow channel (10).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4033/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : AIRFLOW DISTRIBUTION SYSTEM

(51) International classification :F24C15/32

(31) Priority Document No :61/364,071

(32) Priority Date :14/07/2010

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

(86) International Application No :PCT/US2011/043533

Filing Date :11/07/2011

(87) International Publication No :WO 2012/009265

(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)BAGWELL, Renee, M.

2)STRY, William, J.

(57) Abstract :

An improved airflow delivery system (1) comprising an air moving element (3) configured to move air in a flow path, a chamber (19) in the flow path configured to receive product (9), an air transfer chamber (11) comprising an inlet (10) of a selected area for receiving air in the flow path in a first direction (x-x) and an outlet (14) of a selected area greater than the area of the inlet for discharging air in the flow path in a second direction (y-y) different from the first direction, an airflow divider (33) extending across the air transfer outlet and configured to divide airflow in the flow path, an airflow directional (15) extending across the flow path downstream of the airflow divider and upstream of the chamber, the airflow directional having an upstream inlet face (28a) and a downstream outlet face (29c) and configured to receive airflow at the inlet face and split the airflow into multiple separated sub-paths (27) within the flow path and to discharge the airflow from the downstream outlet face substantially parallel to the flow path and without substantial reduction in static pressure.

No. of Pages : 39 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.458/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : RIVET SETTING DEVICE

(51) International classification :B21J15/04,B21J15/06
(31) Priority Document No :10 2010 039 670.2
(32) Priority Date :24/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/064453
Filing Date :23/08/2011
(87) International Publication No :WO 2012/025519
(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)ERNI, ALAIN

(57) Abstract :

The invention relates to a rivet-fitting tool comprising, in a housing (1), a holder chamber in which a stripped-off residual shank (18) is located after a rivet has been fitted. Disposed in the holder chamber are two elongate magnets (13) between which a space is left free for the residual shank (18) and which attract the residual shank out of the rivet mounting (2) when it has been stripped off and secure the residual shank. The mounting (12) for the residual shank (18) can be moved in the apparatus with a transverse component, the residual shank (18) being moved past a stripping element (24) into a region beyond the axis of the rivet mounting. When the residual shank mounting (12) is moved backwards, the residual shank (18) is stripped off and remains in a collection chamber.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3836/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SOLID FUEL, AND METHOD AND APPARATUS FOR PRODUCING SAME

(51) International classification :C10L5/44,B09B3/00,C10B53/02
(31) Priority Document No :2010-182199
(32) Priority Date :17/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/068324
Filing Date :10/08/2011
(87) International Publication No :WO 2012/023479
(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)AMANO, Hiroshi

(57) Abstract :

Disclosed is a solid fuel which contains, on air dried basis, 20-60% by mass of fixed carbon, 30- 66% by mass of volatile content and 3-6% by mass of ash content, while containing 6% by mass or less of moisture content. The solid fuel has a higher calorific value of 20-30 MJ/kg on air dried basis. This solid fuel can be produced by a method for producing a solid fuel, said method comprising a supply step wherein shells left after obtaining kernel oil by oil-pressing palm fruit seeds are supplied to a heating means and a heating step wherein the shells are heated at a temperature of 240-350°C by the heating means, thereby obtaining a heat-treated solid of the shells.

No. of Pages : 36 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3837/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TWO-NEEDLE SEWING MACHINE AND TWO-NEEDLE SEWING MACHINE STITCH FORMING METHOD

(51) International classification	:D05B1/12
(31) Priority Document No	:2010-132847
(32) Priority Date	:10/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/073504
Filing Date	:27/12/2010
(87) International Publication No	:WO 2011/155091
(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)NISHI, Nobuhiro

(57) Abstract :

Disclosed is a two-needle sewing machine that improves strength in a convex curve part by bringing a pair of stitches close together when sewing an item to be sewed that comprises the convex curve part. A two-needle sewing machine (1) comprises a bed part (3); a column part (5); an arm part (6); a needle shaft (11) that is disposed on the leading part of the arm part (6); two sewing needles (13, 14) that are attached to the needle shaft (11); two horizontal rotary hooks (15, 16) that catch the respective needle thread loops of the two sewing needles (13, 14); and a conveyor member (21) that conveys a material to be sewed (40) in a direction approximately orthogonal to the bed part (3). On the two-needle sewing machine (1), the sewing needle (13), which is positioned in a location further from the column part (5), is disposed closer to the conveyance side of the material to be sewed (40) than the sewing needle (14) that is positioned in a location closer to the column part (5).

No. of Pages : 73 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.434/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : ARRANGEMENT STRUCTURE FOR CHARGING PORT COVER

(51) International classification :B60K1/04,B60L11/18,H01M10/46
(31) Priority Document No :2010-223847
(32) Priority Date :01/10/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/067091
Filing Date :27/07/2011
(87) International Publication No :WO 2012/043044
(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)DAISUKE TAKASHIMA

(57) Abstract :

An arrangement structure for a charging port cover is equipped with: a charging port (15) having a normal charge inlet (21) provided to a charging port opening portion (17); a lid (7) that covers the charging port opening portion (17) and can be opened and closed relative to a vehicle body; and a charging port cover (35) that is mounted so as to cover the open section of the charging port opening portion (17) and the lid (7) when the lid (7) is open. Furthermore, the charging port cover (35) is mounted to the lid (7) via a lid-side striker (29) which is an engaging member.

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

(54) Title of the invention : METHOD OF AND APPARATUS FOR MAKING MESH-LIKE METAL MATS

(51) International classification :B21H8/00,B21D31/04,B23D31/00
 (31) Priority Document No :10 2010 044 695.5
 (32) Priority Date :08/09/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/DE2011/001503
 Filing Date :20/07/2011
 (87) International Publication No :WO 2012/031577
 (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)STAHL , KARL-HERMANN

(57) Abstract :

The method serves for producing network-like metal mats from metallic strip material, for which purpose the strip material is first provided with notches (2), running parallel to one another, for the forming of metal wires (1), by means of notching rollers. The notches (2) are thereby formed to such depths, depending on the material, that as far as possible no sliding fractures are formed. The notches (2) are interrupted by unnotched regions - the mutual spacing of which in the respective notch (2) determines the later possible mesh width - at least in such a way that they later form network nodes (4). The network nodes (4) are offset by approximately half a network node spacing in the respectively adjacent notches (2). Then, the strip, formed in this manner, is subjected to a flexing process, in which the webs (3) adjoining the base of the notch and still connecting the metal wires (1) to one another undergo multiple bending deformation about the longitudinal axis thereof in such a way that incipient cracks occur as a result of fatigue fracture. This leads to the complete separation of the metal wires (1) in the region of the webs (3), while no incipient cracks form at the network nodes (4). Finally, the strip material is subjected to transverse tensile forces acting on both its peripheral metal wires (1), whereby a widening deformation of the wire strip (5) into a network-like structure takes place.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4077/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOUNTING ARRANGEMENT FOR A PRESSURIZED IRRIGATION SYSTEM

(51) International classification :F16B2/20,F16M13/00
(31) Priority Document No :12/844,257
(32) Priority Date :27/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042075
Filing Date :28/06/2011
(87) International Publication No :WO 2012/015552
(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)WILSON, DANIEL J.
2)CHON, JAMES Y.

(57) Abstract :

An irrigation mounting arrangement for an irrigation container that is defined by a body portion, a neck member, and a stopper, is disclosed. The irrigation mounting arrangement comprises an upwardly extending base member and a mounting arm mechanism that extends away from the base member. The mounting arm mechanism includes at least one mounting aperture configured to selectively receive a portion of the irrigation container such that the neck member of the irrigation container is oriented above the body portion.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4078/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING CALLER ID DISPLAY SERVICE USING USSD IN NETWORK

(51) International classification	:H04M11/085
(31) Priority Document No	:10-2011-0090093
(32) Priority Date	:06/09/2011
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2012/007116
Filing Date	:05/09/2012
(87) International Publication No	:WO/2013/036033
(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)LEE, CHEOL WON

(57) Abstract :

Disclosed are a system and method for providing a caller identification (ID) display service using unstructured supplementary service data (USSD) in a network. The system for providing a caller ID display service using USSD on a global system for mobile communications (GSM) network, includes a database storing IDs of terminals subscribed to the caller ID display service, an ID transmission server calling an ID stored in the database and transmitting the called ID to a gateway when a caller terminal subscribes to the caller ID display service, and a gateway transmitting the ID received from the ID transmission server to a receiving terminal in a USSD format.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.408/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : TRANSPARENT PANEL HAVING A HEATABLE COATING

(51) International classification :H05B3/84
(31) Priority Document No :10175987.6
(32) Priority Date :09/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/064699
Filing Date :26/08/2011
(87) International Publication No :WO 2012/031907
(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 invention relates to a transparent panel having an electrically heatable coating, which is electrically connected to at least two first electrodes for electric connection to both poles of a voltage source such that, by applying a supply voltage, a heating current flows over a heating field formed between the two first electrodes. The heating field contains at least one coating-free zone which is delimited by a zone edge formed in at least some sections by the heatable coating. According to the invention, at least one second electrode for electric connection to the one pole of the voltage source is provided, which comprises at least one supply section disposed at least in some areas of the coating free zone and one or several connection sections connected to the supply section, wherein the connection sections, starting from the coating-free zone, extend in each case beyond an edge section of the zone edge, wherein the edge section is formed by a section of the heating field which is located between the coating-free zone and the first electrode provided for connection to the other pole of the voltage source. The invention further relates to a method for producing such a panel.

No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4080/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POSITION BAR AND BOOKMARK FUNCTION

(51) International classification :G06F3/048,G06F3/041
(31) Priority Document No :12/826,306
(32) Priority Date :29/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/JP2011/064600
Filing Date :20/06/2011
(87) International Publication No :WO 2012/002291
(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)PIERSOL, KURT W.
2)AMEMIYA, KANAE

(57) Abstract :

A graphic user interface combines a position bar for moving between pages in a document and with a page bookmarking or referencing function. The position bar includes a selectable box that can be used to set a reference mark on a particular page of a document. The user interface also interprets input near the position bar to change the page to the page of the reference mark when the input is within a predefined range of the reference mark.

No. of Pages : 105 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.461/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SMALL LIPOSOMES FOR DELIVERY OF IMMUNOGEN-ENCODING RNA

(51) International classification :A61K48/00,A61K9/127,A61K39/00
(31) Priority Document No :61/378,831
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049873
Filing Date :31/08/2011
(87) International Publication No :WO 2012/030901
(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)VERMA, AYUSH

(57) Abstract :

Nucleic acid immunisation is achieved by delivering RNA encapsulated within a liposome. The RNA encodes an immunogen of interest, and the liposome has a diameter in the range of 60- 180nm, and ideally in the range 80-160nm. Thus the invention provides a liposome having a lipid bilayer encapsulating an aqueous core, wherein: (i) the lipid bilayer has a diameter in the range of 60-180nm; and (ii) the aqueous core includes a RNA which encodes an immunogen. These liposomes are suitable for in vivo delivery of the RNA to a vertebrate cell and so they are useful as components in pharmaceutical compositions for immunising subjects against various diseases.

No. of Pages : 72 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3875/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MANAGING STATIC DATA STRUCTURES OF LEGACY SOFTWARE IN DYNAMIC CLASS LOADER ENVIRONMENTS

(51) International classification :G06F7/00,G06F17/30
(31) Priority Document No :61/333,235
(32) Priority Date :10/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035873
Filing Date :10/05/2011
(87) International Publication No :WO 2011/143181
(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)DOMENECH, Laurent

(57) Abstract :

A method for managing static data structures of a legacy data modeling software product in a dynamic class loader environment comprises constructing a bundle specific registry for each software bundle in the dynamic class loader environment and instructing the legacy data modeling software product to use the bundle specific registry rather than its default registry when creating in memory representations of data model classes associated with a particular software bundle. Constructing a bundle specific registry may include using the bundle s configuration metadata to calculate a dependency graph identifying the other bundles on which the software bundle depends. An initializer may construct the initial set of bundle specific registries and a listener may construct bundle specific registries for new software bundles entering the system.

No. of Pages : 33 No. of Claims : 18

(54) Title of the invention : LEAVING SUBSTITUENT-CONTAINING COMPOUND, ORGANIC SEMICONDUCTOR MATERIAL FORMED THEREFROM, ORGANIC ELECTRONIC DEVICE, ORGANIC THIN-FILM TRANSISTOR AND DISPLAY DEVICE USING THE ORGANIC SEMICONDUCTOR MATERIAL, METHOD FOR PRODUCING FILM-LIKE PRODUCT, PI-ELECTRON CONJUGATED COMPOUND AND METHOD FOR PRODUCING THE PI-ELECTRON CONJUGATED COMPOUND

(51) International classification :C07C69/28,C07C69/013,C07C69/63
(31) Priority Document No :2010-136363
(32) Priority Date :15/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063999
Filing Date :14/06/2011
(87) International Publication No :WO 2011/158953
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)SHINODA, Masato

7)MATSUMOTO, Shinji

8)MOHRI, Masataka

9)YUTANI, Keiichiro

(57) Abstract :

A leaving substituent containing compound represented by General Formula (I), wherein the leaving substituent containing compound can be converted to a compound represented by General Formula (Ia) and a compound represented by General Formula (II), by applying energy to the leaving substituent containing compound in General Formulas (I), (Ia) and (II), X and Y each represent a hydrogen atom or a leaving substituent, where one of X and Y is the leaving substituent and the other is the hydrogen atom; Q2 to Q5 each represent a hydrogen atom a halogen atom or a monovalent organic group; Q1 and Q6 each represent a hydrogen atom or a monovalent organic group other than the leaving substituent; and among the monovalent organic groups represented by Q1 to Q6, adjacent monovalent organic groups may be linked together to form a ring.

No. of Pages : 252 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3878/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : ADAPTIVE SHADING, DISPLAY AND COLOR CONTROL

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:E06B9/24,G02B26/02 :61/353,505 :10/06/2010 :U.S.A. :PCT/US2011/039980 :10/06/2011 :WO 2012/039797 :NA :NA :NA :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)KIM, Philseok 2)AIZENBERG, Joanna 3)ALVARENGA, Jack
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(57) Abstract :

An substrate having a second material on a surface of the substrate or embedded as a layer within the substrate are described. The second material has a different index of refraction and/or stiffness than the substrate so that stretching and unstretching of the substrate and the second material can induce wrinkles in the second material that interacts with light thereby allowing reversible change from a transparent state to an opaque or iridescent state and vice versa. The present disclosure is useful as a shading system and/or displays.

No. of Pages : 57 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3879/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : STRUCTURED SLIDING SURFACE OF A BEARING SHELL

(51) International classification :B23B41/12,B23B29/034
(31) Priority Document No :10 2010 031 606.7
(32) Priority Date :21/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/055910
Filing Date :14/04/2011
(87) International Publication No :WO 2012/010334
(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 invention relates to a tool for machining sliding surfaces of a bearing shell (30) comprising a rotary drive for driving a drilling spindle (20) that can be rotated about a rotational axis and at least one first cutting cartridge that is mounted on the drilling spindle (20) in order to cut the bearing shell (30) to a certain wall thickness by rotating the drilling spindle (20). The tool is characterised in that the first cutting cartridge can be adjusted by an adjustment means in a direction of adjustment that has a component in the radial direction of the drilling spindle while the drilling spindle (20) is rotated by the rotary drive. The invention further relates to a bearing shell (30) comprising a deliberately structured sliding surface (31) and to a method for producing a bearing shell (30) comprising a deliberately structured sliding surface (31).

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

(54) Title of the invention : BRAKE CYLINDER DEVICE AND DISC BRAKE DEVICE

(51) International classification :F16D65/56,B61H15/00,F16D55/224
 (31) Priority Document No :2010-121240
 (32) Priority Date :27/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/061609
 Filing Date :20/05/2011
 (87) International Publication No :WO 2011/148863
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
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3)NAKAMURA, Jyoichi

(57) Abstract :

Provided is a brake cylinder device which comprises a gap adjustment mechanism, and is such that unsusceptibility to the influence of ambient environmental factors, such as temperature and humidity, is achieved at low cost, and that the radial dimensions of a cylinder body are downsized. A threaded shaft (24) which is connected to a brake output section (21) is housed inside a guide tube (25) that is mounted on a piston (22). A pusher spring (26) biases the threaded shaft (24) in the braking direction. A front stop (28) is disposed in such a way as to be capable of abutting a clutch nut (27) from the front side, said clutch nut (27) being threadably engaged with the tip section of the threaded shaft (24); and a first clutch (29) and a second clutch (32) are disposed in such a way as to be capable of abutting the clutch nut (27) from the rear side. An adjustment stop (30) is disposed in such a way as to be capable of moving relative to the clutch nut (27) and the guide tube (25) along the axial direction of the threaded shaft (24), and the movable range is restricted with respect to a cylinder body (20). One end of an adjustment spring (31) abuts the second clutch (32), where to the adjustment stop (30) is fixed, with the result that the adjustment spring (31) biases the clutch nut (27) in the anti-braking direction.

No. of Pages : 95 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4015/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PIPERIDINYL-SUBSTITUTED LACTAMS AS GPR119 MODULATORS

(51) International classification :C07D401/14,A61K31/4545,A61P3/10
(31) Priority Document No :61/345,461
(32) Priority Date :17/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036443
Filing Date :13/05/2011
(87) International Publication No :WO 2011/146335
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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9)SINGH, Ajay
10)TURNER, Timothy M.

(57) Abstract :

Compounds of Formula (I): and pharmaceutically acceptable salts thereof in which X1, X2, L, R3, R4, R5, R6, R6a, R7, R9, R9a, and n have the meanings given in the specification, are modulators of GPR119 and are useful in the treatment or prevention of diseases such as such as, but not limited to, type 2 diabetes, diabetic complications, symptoms of diabetes, metabolic syndrome, obesity, dyslipidemia, and related conditions.

No. of Pages : 153 No. of Claims : 74

(54) Title of the invention : FASTENING ELEMENT

(51) International classification :F16B19/08,F16B25/10,F16B25/00
 (31) Priority Document No :10 2010 039 671.0
 (32) Priority Date :24/08/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/064465
 Filing Date :23/08/2011
 (87) International Publication No :WO 2012/025523
 (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 invention relates to a fastening element, which can be designed as a blind rivet or a screw and is intended to be driven into a non-perforated workpiece. In the front region intended to be driven into the workpiece, said element contains a punching section (9) which is cylindrical and has a front end face (5) that runs obliquely to the longitudinal axis. The punching section (9) can have a smaller diameter than the body (1) of the fastening element or can have the same diameter. The intersection of the end face (5) with the outside of the punching section (9) forms a punching edge. Owing to the oblique course of the end face, said punching edge is arranged in such a manner that the punching edge first strikes the sheet metal at one point or also two points when the fastening element is driven in, and the opening in the sheet metal is enlarged at a point extending around the circumference by shearing off of the sheet metal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.465/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : DEVICE FOR PRODUCING AND METHOD FOR PRODUCING IONIZED WATER

(51) International classification :C02F1/46
(31) Priority Document No :2010-257000
(32) Priority Date :17/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/075983
Filing Date :10/11/2011
(87) International Publication No :WO 2012/067018
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)KUDO NOBORU
5)SHIMIZU MASAE

(57) Abstract :

Provided are: a device for producing deionized water, said device being energy-conserving and being able to produce strongly alkaline ionized water in a short period of time; and a method for producing deionized water. A device (1) for producing ionized water is configured in a manner so that a first electrolytic cell (20A) is disposed in a first electrolytic tank (10A), a second electrolytic cell (20B) is disposed in a second electrolytic tank (10B), and by means of a transfer pump (50) disposed in the water filling pipe (27A) of the first electrolytic cell (20A), alkaline ionized water generated within the electrolytic barrier membrane (21) of the first electrolytic cell (20A) is quantitatively and continuously transferred into the electrolytic barrier membrane of the second electrolytic cell (20B). Using the device (1) for producing ionized water, electrification is executed setting the current electrifying the first electrolytic cell (20A) at 5-15 amperes and the current electrifying the second electrolytic cell (20B) at 15-20 amperes, the total current electrifying the first electrolytic cell (20A) and the second electrolytic cell (20B) being in the range of 25-30 amperes.

No. of Pages : 19 No. of Claims : 2

(54) Title of the invention : METHOD FOR PRODUCING A PHOTOVOLTAIC SOLAR CELL

(51) International classification :H01L31/18
 (31) Priority Document No :10 2010 024 309.4
 (32) Priority Date :18/06/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/002968
 Filing Date :16/06/2011
 (87) International Publication No :WO 2011/157422
 (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)JÄGER, Ulrich
 3)WOLF, Andreas
 4)BIRO, Daniel
 5)PREU, Ralf
 6)KÄSTNER, Gero**

(57) Abstract :

The invention relates to a method for producing a photovoltaic solar cell, comprising the following steps: A. texturising a front (2) of a semiconductor substrate that is doped with a base doping type, B. generating at least one selective doping structure on the front (2) of the semiconductor substrate by generating on the front (2) at least one flat low-doped region (4) having a first doping profile in the semiconductor substrate and generating within the first low-doped region at least one local high-doped region of a second doping profile, wherein the low-doped region (4) and the high-doped region are designed with a respective emitter doping type that is opposite from the base doping type and the high-doped region is designed with a lower cross line resistance than the low-doped region, and C. applying at least one metal emitter contact structure to the front (2) of the semiconductor substrate, optionally to further intermediate layers, at least in the regions of local high doping, wherein the emitter contact structure is electrically conductively connected to the high-doped region, and applying at least one metal base contact structure to the back of the semiconductor substrate, optionally to further intermediate layers, wherein the base contact structure is electrically conductively connected to a region of the semiconductor substrate of the base doping. It is essential that, between method steps B. and C., optionally with further intermediate steps therebetween, a respective silicon oxide layer (5a, 5b) is generated in a method step B1 simultaneously on the front and back of the semiconductor substrate by means of thermal oxidation, wherein at least the front silicon oxide layer is generating in a thickness of less than 150 nm.

No. of Pages : 36 No. of Claims : 17

(54) Title of the invention : CAGE NUT

(51) International classification :F16B31/04,F16B37/04,F16B39/32
 (31) Priority Document No :20 2010 012 019.5
 (32) Priority Date :31/08/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/DE2011/050028
 Filing Date :31/08/2011
 (87) International Publication No :WO 2012/048686
 (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)SCHRAER, THORSTEN

(57) Abstract :

The invention relates to a cage nut (10) for installing in an elongated, preferably rectangular opening (12) accessible only from one side, comprising a nut body (16) having a cylindrical female-thread carrier (20) having a female thread (22) and a counter-bearing part (24) attached thereto and a cage (18) that encompasses the nut body (16), wherein: the counter-bearing part (24) is adapted to the shape of the opening (12) and has a somewhat smaller width and a somewhat smaller length than the opening (12), wherein, however, the length of the counter-bearing part (24) is significantly larger than the width of the opening (12); the cage (18) is resilient and adapted to the shape of the opening (12) in such a way that the cage can be clipped into the opening (12); and the cage (18) bears stop elements (38), which permit only a rotation of the counter-bearing part (24) relative to the cage (18) in the screw-in direction of the female thread (22) from an installation position parallel to the longitudinal direction of the cage (18) into a retaining position approximately perpendicular thereto.

No. of Pages : 32 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.47/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : MASS STORAGE DEVICE MEMORY ENCRYPTION METHODS, SYSTEMS, AND APPARATUS

(51) International classification	:G06F21/02
(31) Priority Document No	:61/355,399
(32) Priority Date	:16/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/040729
Filing Date	:16/06/2011
(87) International Publication No	:WO 2011/159918
(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)BRAAMS, Harm

(57) Abstract :

Mass storage devices and methods for securely storing data are disclosed. The mass storage device includes a communication interface for communicating with a connected host computer, a mass-memory storage component for storing data, a secure key storage component adapted to securely store at least one master secret, and an encryption-decryption component different from the secure key storage component and connected to the secure key storage component and the mass-memory storage component. The encryption-decryption component may be adapted to encrypt data received from the host computer using an encryption algorithm and at least one encryption key and to write the encrypted data into the mass-memory storage component. The encryption-decryption component may also be adapted to decrypt encrypted data stored in the mass-memory storage component for returning the data to the host computer in response to a read data command from the host computer using a decryption algorithm and at least one decryption key the security of which is protected using a master secret securely stored in the secure key storage component.

No. of Pages : 47 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4166/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GROMMET

(51) International classification	:F16B19/10
(31) Priority Document No	:2010-151057
(32) Priority Date	:01/07/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/064718
Filing Date	:27/06/2011
(87) International Publication No	:WO 2012/002339
(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 :

Of the disclosed grommet a shaft body is provided with: a first contact section that contacts the contacted sections of leg sections by means of being pressed in; and a second contact section that is positioned more to the back of the pressing in compared to the first contact section. The shaft body is such that after a portion of the legs is spread by means of the first contact section another portion of the legs is spread by means of pushing the shaft body in further. The grommet is provided with a temporary fastening means that temporarily fastens the shaft body and a main body at a position before the aforementioned pressing in wherein a portion of the shaft body is received within the main body.

No. of Pages : 32 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4167/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SOFT POLISHING PAD FOR POLISHING A SEMICONDUCTOR SUBSTRATE

(51) International classification :B24B37/04,B24D7/12,B24D13/14
(31) Priority Document No :12/832,908
(32) Priority Date :08/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/020840
Filing Date :11/01/2011
(87) International Publication No :WO 2012/005778
(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 :

Soft polishing pads for polishing semiconductor substrates are described. A soft polishing pad includes a molded homogeneous polishing body having a thermoset closed cell polyurethane material with a hardness approximately in the range of 20 Shore D to 45 Shore D.

No. of Pages : 39 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4168/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MANUALLY ACTUATABLE TOGGLE PRESS HAVING A LARGE WORKING STROKE

(51) International classification	:B30B1/12
(31) Priority Document No	:10 2010 017 157.3
(32) Priority Date	:31/05/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/IB2011/052397
Filing Date	:31/05/2011
(87) International Publication No	:WO 2011/151790
(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)STAHL, INGO

(57) Abstract :

The invention relates to a manually actuatable toggle press, comprising a stand (1), a press ram (2) and an actuating lever,(4) which can be pivoted about an axis (3) and by which the press ram (2) can be brought into an upper (5) and a lower (6) dead center position, which is characterized in that the actuating lever (4) on the stand side comprises a carrier element (7), which can be articulated to the stand (1) by means of at least one toggle lever (8; 18) and to the press ram (2) by means of at least one further toggle lever (9; 19) such that several different stroke lengths (H) of the press ram (2) as well as different force ratios can be adjusted.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.453/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SCREW COMPRESSOR

(51) International classification :F04C18/52,F04C28/12
(31) Priority Document No :2010-222170
(32) Priority Date :30/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/005516
Filing Date :29/09/2011
(87) International Publication No :WO 2012/042891
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)AKIRA MATSUOKA

(57) Abstract :

A screw compressor (1) is provided with a slide valve (60) for changing the compression ratio. A sealing protrusion section (66) is formed on the valve element section (65) of the slide valve (60) so as to extend along the rear end surface (74) of the valve element section (65). In the slide valve containing section (31) of the casing (10), the sealing protrusion section (66) of the slide valve (60) is in sliding contact with the sliding contact curved surface (32) of the casing (10) to separate a low-pressure space (S1) and a high-pressure space (S2). The refrigerant pressure within the low-pressure space (S1) always acts on the entire non-contact surface (77) of the valve element section (65). This causes a force which presses the valve element section (65) toward the screw rotor (40) to be constant irrespective of the position of the slide valve (60), and as a result, a variation in the clearance between the front face (71) of the valve element section (65) and the screw rotor (40) is reduced.

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

(54) Title of the invention : LAMINATED BATTERY

(51) International classification :H01M2/26,H01M2/30,H01M10/04
 (31) Priority Document No :2010-172270
 (32) Priority Date :30/07/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/066070
 Filing Date :14/07/2011
 (87) International Publication No :WO 2012/014693
 (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)YASUHITO, MIYAZAKI
2)NAOTO, SUZUKI

(57) Abstract :

A bipolar electrode cell (2) is configured by laminating a plurality of bipolar electrodes (2) with an electrolyte layer (7) interposed therebetween, the bipolar electrodes (2) each comprising a laminated collector (4), a positive electrode active material layer (5) arranged on one surface of the collector (4), and a negative electrode active material layer (6) arranged on the other surface of the collector (4). Voltage detection terminals (21a, 21b) are attached to the outer edges of the collectors (4). The voltage detection terminal (21b) of an adjacent collector (3) is disposed on the opposite side of a second straight line (Da2) passing through the centroid (O) of the collector (4) and being orthogonal to a first straight line (Da1) connecting the voltage detection terminal (21a) and the centroid (O), thereby making the state of charge uniform within an identical unit cell (15).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4072/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SCREENING BUCKET FOR A WORK MACHINE

(51) International classification :E02F3/40,B07B1/22,E02F7/02
(31) Priority Document No :PD2010A000221
(32) Priority Date :15/07/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/053153
Filing Date :14/07/2011
(87) International Publication No :WO 2012/007921
(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)AZZOLIN, GUIDO
2)AZZOLIN, DIEGO

(57) Abstract :

A screening bucket (1; 100) comprises a support structure which can be secured to the moving arm of an operating machine, a screening drum (5; 50) secured to that structure (2) so that it may rotate about an axis (X) of rotation, a rotation unit for the screening drum (5; 50) and switching means (12) for the rotation unit which can switch the rotation unit between a first operating mode in which the screening drum (5; 50) is set in rotation at a substantially constant predetermined working speed and a second operating mode in which the rotation speed of the screening drum (5; 50) is reduced. The rotation unit further comprises detector means (15, 16) for detecting an angular position of the drum (5; 50), cooperating with the switching means (12) in such a way that the rotation unit is automatically brought into the second operating mode when the drum (5; 50) is situated in the region of at least one predetermined portion (A) of a revolution.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR THE AUTHENTICATION OF DOSAGE FORMS

(51) International classification :G06F7/00
(31) Priority Document No :12/841,649
(32) Priority Date :22/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/022065
Filing Date :21/01/2011
(87) International Publication No :WO 2012/011968
(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)STEFAN KLOCKE
3)THOMAS GERING

(57) Abstract :

The present invention relates to a method for the authentication of dosage forms such as tablets, in particular pharmaceutical tablets, by reading, i.e. detecting, code structure from the tablet, reading additional information from the package or on an information sheet, and then comparing the readings to verify authenticity. The code structure may be randomized on a plurality of tablets disposed in identifiable locations in a shared package such that the detected code structures define a unique digital signature for the package of tablets. The code structure or digital signature may be used to verify the authenticity of the dosage forms at various points along the supply chain.

No. of Pages : 31 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.462/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : LIPIDS SUITABLE FOR LIPOSOMAL DELIVERY OF PROTEIN-CODING RNA

(51) International classification :A61K9/127,A61K39/12
(31) Priority Document No :61/378,833
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050100
Filing Date :31/08/2011
(87) International Publication No :WO 2012/031046
(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)GEALL , ANDREW

(57) Abstract :

RNA is encapsulated within a liposome for in vivo delivery. The RNA encodes a polypeptide of interest, such as an immunogen for immunisation purposes. The liposome includes at least one compound selected from the group consisting of compounds of formula (I) and formula (XI).

No. of Pages : 87 No. of Claims : 11

(54) Title of the invention : RACK

(51) International classification :F16M
 (31) Priority Document No :10 2010 035 789.8
 (32) Priority Date :30/08/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/004288
 Filing Date :26/08/2011
 (87) International Publication No :WO 2012/031697
 (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 invention relates to a rack (10) comprising a plurality of frame pieces (12, 14, 16, 18, 22, 24, 26, 28, 32, 34, 36, 36) that can be interconnected, every frame piece being a cylindrical hollow profile (42; 142) which extends along its longitudinal axis (L) and the lateral axes (L) of two interconnected frame pieces being positioned at a right angle relative each other. The rack (10) further comprises, for the purpose of interconnecting several frame pieces (22, 24, 32), at least one bracing unit (40) that is capable of bracing a first frame piece (22, 24, 32) against at least one second frame piece or against at least one corner connector (20) interposed between the frame pieces (22, 24, 32) to be interconnected. The bracing unit (40) comprises at least one separately configured bracing element (44) which extends substantially across the entire length of the first frame piece (22, 24, 32), and two force transmission elements (46) associated with the bracing element (44), said force transmission elements transmitting a bracing force of the bracing element (44) onto the components of the rack (10) to be braced against each other, the bracing force being effective in the direction of the longitudinal axis (L) of the first frame piece (22, 24, 32) to be braced, and the bracing force bracing the first frame piece (22, 24, 32) against the at least one second frame piece and/or against the at least one corner connector (20).

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4122/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES

(51) International classification :C09K11/06,H05B33/10
(31) Priority Document No :10005495.6
(32) Priority Date :27/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/002128
Filing Date :28/04/2011
(87) International Publication No :WO 2011/147523
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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7)WEI TAN, LI

8)SPARROWE, DAVID

9)GONCALVES-MISKIEWICZ, MAGDA

(57) Abstract :

The present invention relates to novel formulations comprising an organic semiconductor (OSC) and one or more organic solvents. The formulation comprises a viscosity at 25°C of less than 15 mPas and the boiling point of the solvent is at most 400°C. Furthermore the present invention describes the use of these formulations as inks for the preparation of organic electronic (OE) devices, especially organic photovoltaic (OPV) cells and OLED devices, to methods for preparing OE devices using the novel formulations, and to OE devices OLED devices and OPV cells prepared from such methods and formulations.

No. of Pages : 125 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4124/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONVOLUTED FOOD BAR AND METHOD FOR PRODUCING IT

(51) International classification :A23G1/00,A23G3/00,A23G3/54
(31) Priority Document No :1010510.4
(32) Priority Date :22/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/000940
Filing Date :22/06/2011
(87) International Publication No:WO 2011/161410
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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U.K.
(72)Name of Inventor :
1)BUFTON, ANDREW

(57) Abstract :

A food bar has a first end and a second end, and a length defined from the first end to the second end. The food bar comprises a plurality of strands of foodstuff, and at least one strand extends from the first end to the second end. In one aspect, the foodstuff is chocolate, and at least one of the strands of chocolate is convoluted. In a second aspect, at one of the strands of foodstuff is transversely convoluted. Also provided are methods for making the food bar.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4125/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD AND WIRELESS BASE STATION

(51) International classification	:H04W 16/32
(31) Priority Document No	:2010-141107
(32) Priority Date	:27/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/064079
Filing Date	:20/06/2011
(87) International Publication No	:WO 2011/162214
(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)TAKAHASHI, HIDEAKI

(57) Abstract :

A mobile communication method according to the present invention includes a step of notifying, by a radio base station (DeNB), a radio base station (eNB) of identification information (PCI or ECGI) of cells (#1 to #3) subordinate to a plurality of relay nodes (RN#1 to #3) as identification information of a cell subordinate to the radio base station (DeNB) when the plurality of relay nodes (RN#1 to #3) are connected to the radio base station (DeNB).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4126/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR CLOUD- BASED MEDIA ADAPTATION AND TRANSCODING SERVICE

(51) International classification	:G06F15/16,H04L29/02	(71) Name of Applicant :
(31) Priority Document No	:61/359,602	1)ZTE USA INC.
(32) Priority Date	:29/06/2010	Address of Applicant :2425 N. CENTRAL
(33) Name of priority country	:U.S.A.	EXPRESSWAY,SUITE 323, RICHARDSON, TEXAS 75080
(86) International Application No	:PCT/US2011/042349	UNITED STATES OF AMERICA
Filing Date	:29/06/2011	(72) Name of Inventor :
(87) International Publication No	:WO 2012/006151	1)KHASNABISH, BHUMIP
(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 establishing a communication session between an originating device and a terminating device using at least one media adaptation and transcoding service (MATS) host comprises at least one computing device which searches a domain associated with the at least one originating and terminating device, for the at least one MATS host. The at least one MATS host comprises a resource configured to establish a communication session between the originating device and the terminating device. If at least one MATS host is available in the domain, the at least one computing device establishes the communication session between the originating device and the terminating device by using the resource of the at least one MATS host. The used resource is monitored during the established communication session.

No. of Pages : 21 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4127/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VIRION- LIKE DELIVERY PARTICLES FOR SELF-REPLICATING RNA MOLECULES

(51) International classification :A61K39/155,A61K39/245,C12N15/86
(31) Priority Document No:61/361,828
(32) Priority Date :06/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043103
Filing Date :06/07/2011
(87) International Publication No :WO 2012/006376
(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)MANDL, CHRISTIAN
3)OHAGAN, DEREK
4)SINGH,MANMOHAN

(57) Abstract :

Nucleic acid immunisation is achieved by delivering a self-replicating RNA encapsulated within a small particle. The RNA encodes an immunogen of interest, and the particle may deliver this RNA by mimicking the delivery function of a natural RNA virus. Thus the invention provides a non, virion particle for in vivo delivery of RNA to a vertebrate cell wherein the particle comprises a delivery material encapsulating a self replicating RNA molecule which encodes an immunogen. These particles are useful as components in pharmaceutical compositions for immunising subjects against various diseases.

No. of Pages : 66 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.388/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS AND SYSTEM FOR SUPPLYING VAPOR FROM DRYING COLUMN TO LIGHT ENDS COLUMN

(51) International classification :C07C51/42,C07C51/44,C07B63/00
(31) Priority Document No :12/857,323
(32) Priority Date :16/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047375
Filing Date :11/08/2011
(87) International Publication No :WO 2012/024154
(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)RONALD D. SHAVER

(57) Abstract :

The present invention is directed to a method of heating a light ends column through directing one or more vapor side streams from a drying column to the light ends column. The present invention is also directed to a carbonylation process for producing acetic acid, wherein one or more vapor side streams from a drying column provide the external energy required to drive separation in the light ends column.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3880/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR SEARCHING CONTROL SIGNALS IN A WIRELESS ACCESS SYSTEM SUPPORTING CARRIER AGGREGATION (CA)

(51) International classification :H04J11/00,H04B7/26,H04W88/02
(31) Priority Document No :61/352,389
(32) Priority Date :08/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/003391
Filing Date :06/05/2011
(87) International Publication No :WO 2011/155708
(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)CHUNG, Jaehoon
3)MOON, Sungho

(57) Abstract :

The present invention relates to a wireless access system supporting carrier aggregation and carrier aggregation technology, and discloses methods for effectively searching control signals for a plurality of cells and apparatuses supporting same. In an embodiment of the present invention, a method for searching control signals in a wireless access system supporting multiple carrier aggregation (CA) and cross carrier scheduling may comprise the steps of: calculating the start point of a reference search space in an expanded search space; calculating start points of the next search spaces which are spaced apart from the reference search space by a predetermined offset value; and performing blind decoding on the reference search space and subsequent search spaces to search control signals from a base station.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/12/2012

(21) Application No.3881/KOLNP/2012 A

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR IMPROVED PROTEIN PRODUCTION IN FILAMENTOUS FUNGI

(51) International classification :C12N15/80,C12N9/42
(31) Priority Document No :20105633
(32) Priority Date :04/06/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/050495
Filing Date :30/05/2011
(87) International Publication No :WO 2011/151513
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)HÄKKINEN, Mari
4)WESTERHOLM-PARVINEN, Ann
5)PENTTILÄ, Merja
6)VITIKAINEN, Marika

(57) Abstract :

The present invention relates to a method for genetically modifying a filamentous fungus host for improved protein production. The method comprises that a filamentous fungus host is genetically modified to overexpress or to be deficient of specific genes. The invention relates also to the modified hosts. Furthermore the invention relates to a method for improved production or for producing an improved composition of proteins, such as cellulases hemicellulases, other proteins involved in the degradation of lignocellulosic material, or other proteins, in a filamentous fungus host.

No. of Pages : 67 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3882/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR SETTING CONNECTING ELEMENTS THAT ARE SELF-DRILLING WITHOUT CHIP FORMATION

(51) International classification :B21J15/02,B21J15/08,B21J5/06
(31) Priority Document No :10 2010 024 000.1
(32) Priority Date :16/06/2010
(33) Name of priority country :Germany
(86) International Application No:PCT/DE2011/050019
Filing Date :09/06/2011
(87) International Publication No :WO 2012/019601
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

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3)ESPER, Stephan

(57) Abstract :

The invention relates to a method for setting connecting elements (16), such as screws or blind rivets, which are self drilling without chip formation, in one or more plates, wherein the plate(s) are heated by electrical energy shortly before the start of the setting process wherein the heating is accomplished by means of an induction coil (26), which is arranged near a point on the plate(s) at which the connecting element (16) is set. The invention further relates to a device (10) for setting a connecting element (16), which is self drilling without chip formation, in one or more plates comprising an induction coil (26), which at least before and/or during the setting process is arranged near a point on the plate(s), at which the connecting element (16) is set.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.50/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYNERGISTIC INSECTICIDAL MIXTURES CONTAINING A PYRETHROID, A NEONICOTINOID AND A BENZOYLPHENYLUREA INSECTICIDE

(51) International classification :A01N47/34,A01N51/00,A01N53/00
(31) Priority Document No :61/370,911
(32) Priority Date :05/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2011/000620
Filing Date :31/07/2011
(87) International Publication No :WO 2012/017428
(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)DOTAN, Assaf
2)LEVI-RUSO, Ganit

(57) Abstract :

The present invention relates to synergistic insecticidal mixtures comprising a) a Pyrethroid insecticide (preferably bifenthrin), b) a Neonicotinoid insecticide (preferably imidacloprid) and c) a Benzoylphenyl urea insecticide (preferably novaluron) and to the related compositions and methods of controlling insects.

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

(54) Title of the invention : SYSTEM AND METHOD FOR WEIGHING ARTICLES

(51) International classification :B65B1/46,A61J3/07,G01G15/00
(31) Priority Document No :BO2010A000522
(32) Priority Date :20/08/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/053657
Filing Date :19/08/2011
(87) International Publication No :WO 2012/023118
(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)CONSOLI, SALVATORE FABRIZIO
2)TREBBI, ROBERTO

(57) Abstract :

A total weight checking system and method for capsules (100) filled with product comprises a filling machine (2) filling the capsules (100) according to a defined filling order, a weighing apparatus (3) weighing all the aforesaid capsules (100) and transferring means (4) transferring said capsules (100) from the filling machine (2) to the weighing apparatus (3), wherein the transferring means (4) comprises removing means (21) and conveying means (5), the removing means (21) being suitable for removing the capsules (100) from the filling machine (2) and for transferring the capsules to the conveying means (5) according to said defined filling order, the conveying means (5) being suitable for housing and accumulating a plurality of capsules (100) according to said defined filling order and transferring the capsules (100) to the weighing apparatus (3) according to said defined filling order.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4172/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING A MIMETIC PEPTIDE INHIBITOR AND AN ANTI-CONNEXIN COMPOUND

(51) International classification	:A61K31/661
(31) Priority Document No	:60/650075
(32) Priority Date	:03/02/2005
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2006/001961
Filing Date	:01/01/1900
(87) International Publication No	:03/02/2006
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3287/KOLNP/2007
Filed on	:03/09/2007

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1)GREEN, COLIN, R.
2)BECKER, DAVID, L.

(57) Abstract :

The present invention discloses a pharmaceutical composition for use in treating progressive infarction and reperfusion injury, promoting reperfusion of blood to damaged tissue, maintaining the blood brain barrier subsequent to a stroke or injury to the central nervous system, maintaining vascular integrity subsequent to tissue damage, or ameliorating tissue edema associated with a transplant or grafting procedure, wherein the composition comprises a mimetic peptide inhibitor comprising a portion of an extracellular loop region of a connexin in an amount capable of inhibiting progressive infarction and reperfusion injury by maintaining blood vessel endothelial cell integrity, promoting reperfusion of blood to damaged tissue in an amount effective to enhance cell survival and/or tissue repair, maintaining the blood brain barrier by inhibiting endothelial cell disruption subsequent to a stroke or injury to the central nervous system, maintaining vascular integrity subsequent to tissue damage, or ameliorating tissue edema associated with a transplant or grafting procedure. The invention also discloses an anti-connexin compound usefull for treating a neurological condition or disorder, treating respiratory or metabolic acidosis or pulmonary edema or preventing epileptiform activity in a subject.

No. of Pages : 156 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4173/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SMART WALLET

(51) International classification :G06Q20/00

(31) Priority Document No :61/359,667

(32) Priority Date :29/06/2010

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

(86) International Application No :PCT/US2011/041495

Filing Date :22/06/2011

(87) International Publication No :WO 2012/005954

(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)TAVEAU, SEBASTIEN

2)NAAMAN, NADAV

(57) Abstract :

A users smart phone is used for payments and holding information, similar to what is contained in a physical wallet. Depending on transaction details, user preferences, and location, one or more best funding instruments for the transaction are selected for the user who may then revise if desired. Access to different functions or information within the phone may vary and require different authentication/security levels depending on type of use (e.g., payment or non payment) and details of use (e.g., high payment amount vs. low payment amount, use of sensitive information vs. non sensitive information).

No. of Pages : 33 No. of Claims : 22

(54) Title of the invention : SUBSTRATE INTENDED TO ACT AS A CULTIVATION SUPPORT AND USE FOR THE PREPARATION IN PARTICULAR OF SPORT SURFACES

(51) International classification	:A01G31/00,A01G9/10	(71)Name of Applicant :
(31) Priority Document No	:1002299	1)NATURAL GRASS
(32) Priority Date	:01/06/2010	Address of Applicant :SOCIÉTÉ PAR ACTIONS
(33) Name of priority country	:France	SIMPLIFIÉE, 81, AVENUE DE WAGRAM, F-75017 PARIS
(86) International Application No	:PCT/FR2011/000325	France
Filing Date	:01/06/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/151542	1)PICARD, EDMOND-PIERRE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A substrate intended to act as a culture support comprising: a first part, making up the backbone of the substrate and representing more than 70% of the total volume of said substrate, composed of particles P with a particle size greater than 100 µm, said particles as a whole consisting of hard particles Pand/or of resilient particles P wherein said resilient particles make up a proportion by volume PV of between 0% and 100% by volume of this first part; a second part of corpuscular components P with a particle size of less than 100 µm, and making up from 0 to 450 g/l of said substrate; a third part, making up from 0 to 200 g/l of said substrate, composed of fine fibres that are between 3 mm and 100 mm in length and between 5 µm and 35 µm in diameter; a fourth part, making up from 0 to 200 g/l of said substrate, composed of other elongated and/or surface inclusions, at least one of the dimensions of each of these elongated or surface inclusions being much greater than the particle size of the particles of the first part, wherein the sum of the amounts of the third part and of the fourth part are greater than 3 g/l of said substrate. Use for preparing in particular turfed sport surfaces and building terraces.

No. of Pages : 27 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3843/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : AN ANTITUMORAL COMBINATION COMPRISING OMBRABULIN, A TAXANE DERIVATIVE AND A PLATINUM DERIVATIVE

(51) International classification :A61K31/282,A61K31/337,A61K31/555
(31) Priority Document No :10305653.7
(32) Priority Date :18/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2011/052628
Filing Date :16/06/2011
(87) International Publication No :WO 2011/158206
(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)COHEN, Patrick

2)OPREA, Ileana Corina

(57) Abstract :

The invention concerns an antitumoral combination comprising ombrabulin, a taxane derivative and a platinum derivative and its use in the treatment of advanced solid tumors.

No. of Pages : 23 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3844/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RATIOMETRIC COMBINATORIAL DRUG DELIVERY

(51) International classification :A61K31/337,A61K47/48,A61K47/30
(31) Priority Document No :61/333,138
(32) Priority Date :10/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035903
Filing Date :10/05/2011
(87) International Publication No :WO 2011/143201
(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)ZHANG, Liangfang
2)ARYAL, Santosh
3)HU, Che-ming

(57) Abstract :

The present teachings include ratiometric combinatorial drug delivery including nanoparticles, multi-drug conjugates, pharmaceutical compositions, methods of producing such compositions and methods of using such compositions, including in the treatment of diseases and conditions using drug combinations.

No. of Pages : 149 No. of Claims : 111

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3845/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MICROFABRICATED ARTIFICIAL LUNG ASSIST DEVICE, AND METHODS OF USE AND MANUFACTURE THEREOF

(51) International classification :B01D63/08,B01D71/70,A61M1/16
(31) Priority Document No :61/348,563
(32) Priority Date :26/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038148
Filing Date :26/05/2011
(87) International Publication No :WO 2011/150216
(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)BORENSTEIN, Jeffrey, T.
2)CHAREST, Joseph, L.
3)HSIAO, James, Ching-Ming
4)KNIAZEVA, Tatiana

(57) Abstract :

The invention provides systems and methods for exchanging gas in an oxygenator device, and methods for preparing and using such oxygenator devices. The systems and methods can be used to transfer oxygen to blood to assist lung function in a patient.

No. of Pages : 70 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3846/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DETECTING STATE ESTIMATION NETWORK MODEL DATA ERRORS

(51) International classification :G06F17/50

(31) Priority Document No :61/354,134

(32) Priority Date :11/06/2010

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

(86) International Application No :PCT/US2011/040112

Filing Date :11/06/2011

(87) International Publication No :WO 2011/156799

(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)DONDE, Vaibhav

2)SCHOLTZ, Ernst

3)LARSSON, Mats

4)ZHANG, Yan

5)SUBRAMANIAN, Mani

6)FINNEY, John

(57) Abstract :

Methods for detecting network model data errors are disclosed. In some examples, methods for detecting network model data errors may include splitting a network model into a first plurality of portions, executing an algorithm on each of the portions, identifying a portion for which the algorithm is determined to be non- converged, splitting the identified portion into a second plurality of portions, repeating the executing, identifying and splitting the identified portion until a resulting identified portion is smaller than a predefined threshold, and examining the resulting identified portion to identify plausible data errors therein. In some examples, examining the resulting identified portion to identify plausible data errors therein may include executing a modified algorithm, which may include an augmented measurement set, on the identified portion.

No. of Pages : 41 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3847/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LOW-TEMPERATURE SYNTHESIS OF SILICA

(51) International classification :C23C16/40,C23C16/54,C23C16/455
(31) Priority Document No :61/352,643
(32) Priority Date :08/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039625
Filing Date :08/06/2011
(87) International Publication No :WO 2011/156484
(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)HATTON, Benjamin

(57) Abstract :

An ambient pressure Atomic Layer Deposition (ALD) technique to grow uniform silica layers onto organic substrates at low temperatures, including room temperature, is described. For example, tetramethoxysilane vapor is used alternately with ammonia vapor as a catalyst in an ambient environment.

No. of Pages : 21 No. of Claims : 20

(54) Title of the invention : PROCESS AND SYSTEM

(51) International classification :C07C51/43,B01D9/00,C07C51/487
 (31) Priority Document No :1016049.7
 (32) Priority Date :24/09/2010
 (33) Name of priority country :U.K.
 (86) International Application No :PCT/GB2011/051790
 Filing Date :22/09/2011
 (87) International Publication No :WO 2012/038751
 (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)GRAY, JULIAN STUART
2)WINTER, MICHAEL WILLIAM

(57) Abstract :

A process for the purification of aromatic dicarboxylic acid comprising the steps of: (a) slurring crude aromatic dicarboxylic acid solids with water recycled from at least a filtration step in a feed preparation zone; (b) supplying flash steam in vapour phase to the feed preparation zone from at least one of a crystallisation step a filtration step and a drier step; (c) preheating the slurried aromatic dicarboxylic acid solids to form a solution; (d) subjecting the heated solution to hydrogenation; (e) pure aromatic dicarboxylic acid to crystallise; (f) filtering out the crystals of pure aromatic dicarboxylic acid and recovering water in a single stage filtration process; (g) supplying at least part of the recovered water to the feed preparation zone; and (h) drying the filtered crystals and recovering same wherein the flash stream recovered from at least one of a crystallisation step a filtration step or a drier step is recovered as a vapour phase stream having a pressure of from about atmospheric to 5 barg and is supplied to the feed preparation zone without phase change. Also described is a system for the purification of aromatic dicarboxylic acid and a feed preparation vessel therefor.

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

(54) Title of the invention : METHOD FOR TRANSMITTING SOUNDING REFERENCE SIGNAL IN MULTIPLE ANTENNA WIRELESS COMMUNICATION SYSTEM AND APPARATUS THEREFOR

(51) International classification :H04B7/04,H04J11/00,H04B7/26
 (31) Priority Document No :61/434,274
 (32) Priority Date :19/01/2011
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/003911
 Filing Date :27/05/2011
 (87) International Publication No :WO 2012/099301
 (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)NOH, MINSEOK
2)KO, HYUNSSO
3)CHUNG, JAEHOON
4)LEE, MOON-IL

(57) Abstract :

A method for transmitting a sounding reference signal from a user equipment in a MIMO antenna wireless communication system is disclosed. The method comprises receiving sounding reference signal setup information from a base station the sounding reference signal setup information including an initial cyclic shift value and an initial transmissionComb parameter value; setting an interval between cyclic shift values corresponding to each antenna port based on the initial cyclic shift value, to reach a maximum interval; setting a transmissionComb parameter value corresponding to a specific one of the antenna ports to a value different from the initial transmissionComb parameter value if the initial cyclic shift value is a previously set value and the number of antenna ports is 4; and transmitting the sounding reference signal to the base station through each antenna port by using the set cyclic shift value and transmissionComb parameter value.

No. of Pages : 61 No. of Claims : 12

(54) Title of the invention : CLAMP

(51) International classification :F16B21/07,F16B2/14,F16B19/00

(31) Priority Document No :2010-140051

(32) Priority Date :21/06/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/003487

Filing Date :17/06/2011

(87) International Publication No :WO 2011/161923

(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)FUKUMOTO MITSURU

(57) Abstract :

Provided is a clamp which is capable of being temporarily attached to a cable. This clamp (10) serves to fix a cable (100) to a vehicle panel (101) wherein a fixing hole (106) is formed. The clamp (10) comprises a groove (19) having a bottom section (20) which is capable of abutting at least a portion of the outer periphery of the cable; a base section (11) provided with a leg section (16) which is capable of being fixed to the fixing hole; and a holding member (12) which is supported by the base member in such a way as to be capable of undergoing displacement between a temporary fixed position and a normal fixed position, and between which and the bottom section there is demarcated a housing space (60) that is capable of housing the cable. The holding member is characterized in that the outer shape thereof is formed in such a way that if the holding member undergoes displacement from the temporary fixed position to the normal fixed position, the housing space is reduced.

No. of Pages : 46 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.484/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : A MOBILE COMMUNICATION SYSTEM

(51) International classification	:H04W
(31) Priority Document No	:2009-108565
(32) Priority Date	:27/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/057086
Filing Date	:21/04/2010
(87) International Publication No	:WO/2010/125957
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:4473/KOLNP/2011
Filed on	:01/11/2011

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3)UMESH, ANIL
4)IWAMURA, MIKIO
5)ISHII, MINAMI

(57) Abstract :

A mobile communication system is disclosed. The mobile communication system comprises a first relay node and a radio base station connected via a radio bearer, a second relay node and the radio base station connected via a radio bearer, a control signal involved in handover process configured to terminate between the X2AP layer function of the first relay node and X2AP layer function of the radio base station and between the X2AP layer function of the second relay node and X2AP layer function of the radio base station.

No. of Pages : 27 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.51/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL ANTIGEN BINDING PROTEINS

(51) International classification :C07K16/30

(31) Priority Document No :61/366,742

(32) Priority Date :22/07/2010

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

(86) International Application No :PCT/EP2011/062458

Filing Date :20/07/2011

(87) International Publication No :WO 2012/010635

(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)BERGERON, Alain

2)BLAIS, Normand

3)FRADET, Yves

4)PALMANTIER, Remi M.

5)PILORGET, Anthony

(57) Abstract :

The present invention relates to antigen binding proteins, such as antibodies, which bind to MAGE-A3, polynucleotides encoding such antigen binding proteins, diagnostic applications of said antigen binding proteins and methods of manufacture.

No. of Pages : 90 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.539/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : AN APPARATUS FOR ENABLING FAST AND RELIABLE CHECKING OF LUMINESCENT VALUE DOCUMENTS

(51) International classification	:G07D
(31) Priority Document No	:10 2004 035 494.4
(32) Priority Date	:22/07/2004
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2005/007872
Filing Date	:19/07/2005
(87) International Publication No	:WO/2006/010537
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3926/KOLNP/2006
Filed on	:27/12/2006

(71)Name of Applicant :
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1)GIERING, THOMAS
2)BLOSS, MICHAEL
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4)CLARA, MARTIN
5)EHRL, HANS-PETER

(57) Abstract :

An apparatus (1) for enabling fast and reliable checking of luminescent value documents (BN) is disclosed. The apparatus comprises: a luminescence radiation exciting light source and ,a luminescence sensor (12) arranged to detect with spectral resolution luminescence radiation excited by the light source emanating from a value document illuminated by the light source, characterized in that said light source produces on the value document when the document is transported in a transport direction (T) past the luminescence sensor (12) an illumination area extending in the transport direction, and in that one detector unit (21) is designed for spectrally resolved measurement of the luminescence radiation and another detector unit (27) for non-spectrally resolved measurement of the luminescence radiation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3886/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PREDICTING PLAQUE COMPOSITION AND PHENOTYPE IN CORONARY ARTERIES VIA HDL-SUBCLASS ANALYSIS, AND METHODS RELATED THERETO

(51) International classification :G01N33/566

(31) Priority Document No :61/350,304

(32) Priority Date :01/06/2010

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

(86) International Application No :PCT/US2011/038801

Filing Date :01/06/2011

(87) International Publication No :WO 2011/153271

(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)SCHAEFER, Ernst, J.

2)ASZTALOS, Bela, F.

(57) Abstract :

The invention provides a method of identifying a subject at increased risk of cardiovascular disease (CVD) and/or soft plaque that provides an HDL subpopulation by separating the ApoA-I-containing HDL particles from a plasma sample from the subject, where the HDL particles include an alpha 1-4 (a1-4) subpopulation, a pre-alpha 1-4 (pre-a1-4) subpopulation, and a pre-beta 1-2 (pre- 1-2) subpopulation, creating an HDL subpopulation profile by quantitating the HDL subpopulations, correlating the HDL subpopulation profile with reference HDL subpopulation profile values; and determining whether the subject has an increased risk, a borderline risk, or a low risk for CVD.

No. of Pages : 43 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3888/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR OPERATING A DRIVEN SPINDLE IN A MACHINE TOOL

(51) International classification :B29C45/17,B29C45/50,B29C45/76
(31) Priority Document No :10 2010 024 246.2
(32) Priority Date :18/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059101
Filing Date :01/06/2011
(87) International Publication No :WO 2011/157564
(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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SWITZERLAND
(72)Name of Inventor :
1)NOTZ Markus

(57) Abstract :

The present invention relates to a device and a method for operating a driven spindle in a machine tool, in particular in an injection moulding machine. At least two different drives are coupled to form a common effective drive, the performance and consumption data for each drive being stored in the form of characteristic values or characteristic curves. To use the effective drive as optimally as possible in terms of energy, it is proposed to determine the performance requirement for the driven spindle, to determine on the basis of the determined performance requirement that operational combination of the drives that requires the least expenditure of energy and to drive the drives with the operational combination determined.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3889/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR OPERATING A CLOTHES DRYING APPLIANCE AND CLOTHES DRYING APPLIANCE

(51) International classification	:D06F58/28
(31) Priority Document No	:10169424.8
(32) Priority Date	:13/07/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/061169
Filing Date	:04/07/2011
(87) International Publication No	:WO 2012/007299
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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GERMANY
(72)**Name of Inventor :**
1)JABLOŃSKI Piotr

(57) Abstract :

The method is provided for operating a clothes drying appliance (1), wherein a moisture content of clothes (6) is determined by measuring a current running through the clothes (6) and wherein the determining takes into account a salt content of the moisture. The clothes drying appliance (1) is adapted to perform the method.

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

(54) Title of the invention : APPARATUS FOR COMBUSTING A FUEL AT HIGH PRESSURE AND HIGH TEMPERATURE, AND ASSOCIATED SYSTEM

(51) International classification :F23L7/00,F23M5/00,F23J15/02
 (31) Priority Document No :12/872,364
 (32) Priority Date :31/08/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/049727
 Filing Date :30/08/2011
 (87) International Publication No :WO 2012/030820
 (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) PALMER, MILES, R
2) ALLAM, RODNEY, JOHN
3) BROWN, GLENN, WILLIAM, JR.
4) FETVEDT, JEREMY ERON

(57) Abstract :

A combustor apparatus is provided , comprising a mixing arrangement for mixing a carbonaceous fuel with enriched oxygen and a working fluid to form a fuel mixture. A combustion chamber is at least partially defined by a porous perimetric transpiration member ,at least partially surrounded by a pressure containment member. The combustion chamber has longitudinally spaced apart inlet and outlet portions. The fuel mixture is received by the inlet portion for combustion within the combustion chamber at a combustion temperature to form a combustion product. The combustion chamber further directs the combustion product longitudinally toward the outlet portion. The porous transpiration member is configured to substantially uniformly direct a transpiration substance therethrough,about the perimeter thereof defining the combustion chamber and longitudinally between the inlet and outlet portions,toward the combustion chamber for buffering interaction between the combustion product and the porous transpiration member. Associated systems are also provided.

No. of Pages : 53 No. of Claims : 32

(54) Title of the invention : CLADDING BODY ASSEMBLY HAVING A UNIFORM OUTER SURFACE, SUBMARINE ANTENNA AND SUBMARINE BOAT COMPRISING THE CLADDING BODY ASSEMBLY AND METHOD FOR PRODUCING THE CLADDING BODY ASSEMBLY

(51) International classification	:B63G8/39	(71)Name of Applicant :
(31) Priority Document No	:10 2010 035 064.8	1)ATLAS ELEKTRONIK GMBH
(32) Priority Date	:21/08/2010	Address of Applicant :SEBALDSBRÜCKER HEERSTRA E
(33) Name of priority country	:Germany	235, 28309 BREMEN Germany
(86) International Application No	:PCT/EP2011/063323	(72)Name of Inventor :
Filing Date	:02/08/2011	1)SCHÜTZ RAINER-MARTIN
(87) International Publication No	:WO 2012/031834	
(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 cladding body assembly 1 having a uniform outer surface 30 for a submarine antenna 38 of a submarine boat 36, to the submarine antenna 38, to the submarine boat 14, and to a method for producing the cladding body assembly 1. According to the invention a joint profile 12 is arranged at least partially in a joint 2 which abuts against a respective first and second end section 8,4 of adjoining cladding body sections 6,10 of the cladding body assembly. Moreover,an elastic joint filler 22 to be cured is arranged as adhesive between the joint profile 12 and the end sections 8,4 of the adjoining cladding body sections 6. A joint gap 20 of the joint 2 is bridged. The invention achieves a uniform outer surface 30 of the cladding body assembly 1, wherein individual cladding body sections 6, 10,44,46 can be removed from a row of adjoining cladding body sections 6,10,44,46,for example for maintenance purposes,without also having to remove adjoining cladding body sections 6,10, 44,46,which simplifies the maintenance of the submarine antenna 38.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.479/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : SOLAR PANEL RACKING ASSEMBLY

(51) International classification	:F24J2/52
(31) Priority Document No	:61/380,073
(32) Priority Date	:03/09/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/050460
Filing Date	:03/09/2011
(87) International Publication No	:WO 2012/031286
(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)RIZZO, NATHAN

(57) Abstract :

The present invention is a ballasted solar panel mounting system primarily for mounting solar panels to a roof. The mounting system reduces waste space by positioning the first and/or the last row of bases beneath the panel. This potentially provides room for an additional row of panels and generation of a greater amount of electricity per square foot of area. Additionally, the mounting system uses bases with upwardly extending posts that are integrally connected to the bases that support ballasts. Thus, all assemblies that require attaching one part of the system to another is done at an elevated level to reduce the amount of bending required by the installers. Moreover, the unique system for installing solar panels can be installed without a jig. In some instances, it can be installed with only a single reference line (e.g., chalk line). Additionally, the bases are configured to be stackable for inexpensive storage and distribution.

No. of Pages : 52 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.526/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/02/2013

(43) Publication Date : 28/06/2013

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

(51) International classification :F02M25/07

(31) Priority Document No :61/378,557

(32) Priority Date :31/08/2010

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

(86) International Application No :PCT/US2011/049722

Filing Date :30/08/2011

(87) International Publication No :WO 2012/030816

(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)ALAN W. HAYMAN

2)ROBERT S. MCALPINE

(57) Abstract :

A crankshaft for an internal combustion engine comprises at least four main journals aligned on a crankshaft axis of rotation and at least three crankpins each disposed about a respective crankpin axis and positioned between the main journals. Each of the respective crankpin axes is oriented parallel to and spaced radially from the crankshaft axis of rotation. Each of the crankpins is joined to a pair of crank arms for force transmission between the crankpin and the pair of crank arms. Each pair of crank arms is joined to a respective main journal for transmitting torque between the pair of crank arms and the main journal. At least two of the crankpins are positioned substantially in phase with one another and a third crankpin being positioned approximately 180 degrees apart from the at least two crankpins.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.527/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM, RELAY,STATION, BASE STATION, MOBILE COMMUNICATION NETWORK AND NETWORK COMPONENT

(51) International classification	:H04W72/04
(31) Priority Document No	:61/379,424
(32) Priority Date	:02/09/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/064978
Filing Date	:31/08/2011
(87) International Publication No	:WO 2012/028641
(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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NEUBIBERG Germany
(72)**Name of Inventor :**
1)BALERCIA, TOMMASO
2)MUECK,MARKUS,DOMINIK

(57) Abstract :

In one embodiment, a mobile communication system is provided comprising a base station, a relay station, and a mobile station, a determiner configured to determine the distance between the mobile station and the base station or between the mobile station and the relay station, a decider configured to decide whether data transmission between the base station and the mobile station is carried out in a first relaying mode or a second relaying mode based on the determined distance and a controller configured to control the mobile communication system based on the result of the decision by the decider.

No. of Pages : 91 No. of Claims : 45

(54) Title of the invention : ARRANGEMENT STRUCTURE FOR CHARGING PORT COVER

(51) International classification :B60K1/04,B60L11/18,H01M10/46
 (31) Priority Document No :2010-223845
 (32) Priority Date :01/10/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/067090
 Filing Date :27/07/2011
 (87) International Publication No :WO 2012/043043
 (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)Junichi YAMAMARU
2)Daisuke TAKASHIMA
3)Masaaki TAKAGI
4)Masato INOUE
5)Tooru YAMASHITA

(57) Abstract :

An arrangement structure for a charging port cover is equipped with: a charging port (15) having a charge inlet (21) provided to a charging port opening portion (17) formed on a vehicle body; and a lid (7) that covers the charging port opening portion (17) and can be opened and closed relative to the vehicle body. The arrangement structure is further provided with a charging port cover (35) that is mounted so as to cover the open sections (16, 18) between the charging port opening portion (17) and the lid (7) when the lid (7) is open. The lid (7) is supported on the vehicle body by hinges (5) and can be opened and closed. Furthermore, the open sections (16, 18) are in the lateral sides facing the axial direction (X) of the hinges (5) of the lid (7) and the front side facing a direction (Y) intersecting the axial direction (X) of the hinges (5).

No. of Pages : 30 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4175/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONSTRUCTIONS FOR FORMING A HOUSING

(51) International classification :H05K5/00,H02G3/08,H02J3/00
(31) Priority Document No :2708453
(32) Priority Date :15/07/2010
(33) Name of priority country :Canada
(86) International Application No :PCT/CA2011/050426
Filing Date :12/07/2011
(87) International Publication No :WO 2012/006735
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ROSENDAHL, DEAN, R.
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(72)Name of Inventor :
1)ROSENDAHL, DEAN, R.

(57) Abstract :

A housing for electrical components is formed by a series of extruded panels connected edge to edge. The first edge includes a slot defined by an inner wall and an outer wall and the second edge includes a blade inserted into the slot the blade and the flexible wall including co operating shoulders. The blade and slot are at an angle to the outer surface where a rib engages into an outer recess to seal the outer surface at the joint. A bridging member spans the joint to prevent spreading while locking the flexible wall and carrying internal components. The housing can form a post or a receptacle on top of the post. The bridging members connect to end plates by screws extending through the plates so as to form an internal structure for the housing. Some of the connected panels can include cooling fins forming a cooling duct.

No. of Pages : 63 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4177/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PISTON BEARING STRUCTURE FOR FLUID PRESSURE CYLINDER

(51) International classification :F15B15/14,F16J15/18
(31) Priority Document No :2011-063703
(32) Priority Date :23/03/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/054576
Filing Date :24/02/2012
(87) International Publication No :WO 2012/127980
(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,HAMAMATSU-CHO,2- CHOME,MINATO-KU, TOKYO
105-6111, JAPAN
(72)Name of Inventor :
1)SUEYOSHI, DAISUKE
2)EMOTO , HIROYUKI
3)IMAHORI , TOMOKO
4)SAITA , SHUSAKU

(57) Abstract :

This piston bearing structure for a fluid pressure cylinder is provided with one seal ring contained in an accommodating groove of a piston so as to be in sliding contact with a cylinder tube, and two backup wear rings that sandwich the seal ring and are contained in the accommodating groove so as to be in sliding contact with the cylinder tube. Each backup wear ring has a pressure relief groove that is opposite the accommodating groove and extends over a backup ring part and a wear ring part. The pressure relief groove links both sides of the backup wear ring in between the piston and the cylinder tube.

No. of Pages : 20 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4178/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MIXTER DRUM DRIVING DEVICE

(51) International classification :B60P3/16,B28C5/42,F15B11/16
(31) Priority Document No :2011-065504
(32) Priority Date :24/03/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/056237
Filing Date :12/03/2012
(87) International Publication No:WO 2012/128091
(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)TAKAHASHI, YOSHIMITSU

(57) Abstract :

A mixer drum driving device provided with a hydraulic motor that drives the rotation of a mixer drum, a first hydraulic pump that is driven by an engine and is capable of supplying hydraulic oil to the hydraulic motor, an electric motor, a power source connected to the electric motor, a second hydraulic pump capable of supplying hydraulic oil to the hydraulic motor by means of the drive force of the electric motor, and a flow dividing valve that divides the hydraulic oil discharged from the first hydraulic pump into flows that are respectively supplied to the hydraulic motor and the second hydraulic pump, wherein the second hydraulic pump is configured so as to drive the rotation of the electric motor by means of the hydraulic oil, and the electric motor is configured so as to generate power and charge the power source when rotationally driven by the second hydraulic pump.

No. of Pages : 35 No. of Claims : 4

(54) Title of the invention : EXTRACTION OF HOT GAS FOR REAGENT VAPORIZATION AND OTHER HEATED GAS SYSTEMS

(51) International classification :B01D53/86,B01D53/90,F23J7/00
 (31) Priority Document No :61/353,111
 (32) Priority Date :09/06/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/039643
 Filing Date :08/06/2011
 (87) International Publication No :WO 2011/156496
 (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)OKAMOTO,SEAN, T
2)KING,PATRICK, J
3)YONEMORI, DEAN, A

(57) Abstract :

A method to extract hot exhaust gas from the exhaust flue and use its heat energy to vaporize aqueous reactive reagents such as aqueous ammonia or to provide a heated air process gas mixture. Compressed air provides motive force to induce a vacuum in an ejector venturi device which draws hot exhaust gas (hot gas) from the exhaust flue. In one embodiment the hot gas is drawn into a vaporizer unit. The heat energy in the hot gas vaporizes the injected aqueous reagent. The vaporized mixture is drawn into the ejector and is entrained in the motive air. The diluted reagent vapor mixture is injected back into the exhaust flue to support the selective catalytic reduction (SCR) process and reduce nitrogen oxide (NOx).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.452/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CABLE-DEFLECTING PIECE FOR A CABLE-OPERATED WINDOW LIFTER

(51) International classification :E05F11/48
(31) Priority Document No :20 2010 012 567.7
(32) Priority Date :08/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/064452
Filing Date :23/08/2011
(87) International Publication No :WO 2012/031888
(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)DEBUS, BRUNO
2)DALLOS, CHRISTIAN
3)KINNELL, CRAIG

(57) Abstract :

A cable-deflecting piece (3), which is fastened on a rail head or rail foot (18) of a guide rail (1) and is intended for a cable-operated window lifter, contains a basic body (30) which, during mounting, and following fastening, of the cable- deflecting piece (3), butts against the guide rail (1) on one side of the rail head or rail foot (18), also contains a rotary and bearing pin (4) which projects from the basic body (30), can be inserted, in a position in which it is tilted in relation to the longitudinal extent of the guide rail (1), into a rotary and bearing opening (23) of the rail head or rail foot (18) and can be pivoted about the cable-deflecting piece (3), further contains a rotation- prevention means (5, 6; 21, 16) which, in a final mounting position, once the cable- deflecting piece (3) has been pivoted about the mounting axis of rotation, secures the connection of the cable-deflecting piece (3) to the rail head or rail foot (18) such that the cable-deflecting piece (3) cannot rotate, and additionally contains a device (7, 8) which is formed on the basic body (30) and is intended for securing the abutment of the basic body (30) against the rail head or rail foot (18) perpendicularly to the longitudinal extent of the guide rail (1).

No. of Pages : 26 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.571/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : SPARK PLUG, AND MAIN METAL FITTING FOR SPARK PLUG

(51) International classification :H01T13/02,F02P13/00
(31) Priority Document No :2010-179985
(32) Priority Date :11/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/002161
Filing Date :12/04/2011
(87) International Publication No :WO 2012/020523
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Nagoya-shi, Aichi 467-8525, Japan.
(72)Name of Inventor :
1)Hiroaki NASU
2)Kazuhiro KODAMA

(57) Abstract :

Provided is a spark plug having excellent salt corrosion resistance and stress corrosion cracking resistance. This spark plug comprises a main metal fitting coated with a composite layer which comprises a nickel plating layer and a chromate layer formed on the nickel plating layer, and is characterized in that the nickel plating layer has a thickness (A) of 3 to 15 μm inclusive ($3\mu\text{m} \leq A \leq 15\mu\text{m}$) and the chromate layer has a thickness (B) of 2 to 45 nm inclusive ($2 \text{ nm} \leq B \leq 45 \text{ nm}$).

No. of Pages : 25 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.596/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :25/05/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : IMPROVED GLYCOSYLATION ASSAY, GLYCOANALYSIS ARRAY AND AN ASSAY SYSTEM.

(51) International classification :G01N33/68
(31) Priority Document No :61/532,559
(32) Priority Date :09/09/2011
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CHANAN HIMMELFARB

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5)YEHUDIT AMOR

6)ILANA BELZER

7)YESHAYAHU YAKIR

8)IRIS LIEDER

(57) Abstract :

A glycoanalysis array, comprising a planar substrate and a plurality of saccharide binding agents present on a surface of said substrate at a plurality of predetermined locations, each of said plurality of saccharide binding agents being present at a plurality of separate predetermined locations on said surface, wherein said plurality of separate predetermined locations relates to a plurality of concentrations of said saccharide binding agent at said locations in a concentration curve; said planar substrate being adapted for being contacted with a sample comprising a glycoprotein, such that said glycoprotein binds specifically to at least one saccharide binding agent and forms a detectable binding complex, such that a baseline for non-specific binding is determined according to said concentration curve.

No. of Pages : 40 No. of Claims : 39

(54) Title of the invention : METHOD FOR THE DETERMINATION OF A CONTROL SCHEME FOR A NPC VSC, IN PARTICULAR AS AN ACTIVE POWER FILTER

(51) International classification	:H02M7/487	(71)Name of Applicant :
(31) Priority Document No	:11167795.1	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:27/05/2011	Address of Applicant :BROWN BOVERI STRASSE 7, CH-
(33) Name of priority country	:EPO	5400 BADEN, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor :
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(87) International Publication No	: NA	2)SOEIRO THIAGO
(61) Patent of Addition to Application Number	:NA	3)RANSTAD PER
Filing Date	:NA	4)LINNER JÖRGEN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Proposed is a method for the determination of a control scheme for a neutral point clamped (NPC) voltage source converter (VSC) with at least 3 levels, in particular as a shunt active power filter, with a topology of three bridge legs (21-23) between each of three phases (R,S,T) of a grid (11) and a neutral point (24), each leg (21-23) comprising at least four active switches (T1-T4), wherein there is provided a clamping carrier modulator (1) synchronized with the grid (1) for the control of no-switching intervals, said method comprising at least the following steps: analyzing the waveform of the grid and/or a load voltage (ILR) and determination of windows (3) defining an allowed period for no switching of the corresponding bridge leg; operating or simulating the operation of the voltage source converter with different clamping carrier modulator frequencies, and then analyzing the balance in the operating junction temperatures and/or power losses across the active switches and also analyzing the total losses of the voltage source converter; comparing the balance and the total losses of different clamping carrier modulator frequencies and selecting either the clamping carrier modulator frequency according to showing, as primary criterion, the better balance and, as secondary criterion, the lower total losses; operating or simulating the operation of the voltage source converter with the selected clamping carrier modulator frequency, while iteratively changing at least one of the following operating parameters of the voltage source converter: switching frequency, DC-link voltage reference, duty cycle of clamping carrier modulator, phase shift of the clamping carrier modulator relative to the grid, and optimizing the balance in the operating junction temperatures and/or power losses across the active switches and the total losses of the voltage source converter as a function of the adjustment of these operating parameters until reaching optimum operation parameters for the control scheme.

No. of Pages : 35 No. of Claims : 12

(54) Title of the invention : ELECTROMAGNETIC VALVE DEVICE WITH AN ARMATURE GUIDING TUBE WHICH IS SUPPORTED AT THE HEAD SIDE AND RELIEVED OF LOADING ON THE FLOOR SIDE

(51) International classification	:F16K31/06	(71)Name of Applicant :
(31) Priority Document No	:102010024943.2	1)KNORR-BREMSE SYSTEME FÜR NUTZFAHRZEUGE GMBH
(32) Priority Date	:24/06/2010	Address of Applicant :MOOSACHER STR. 80, 80809 MÜNCHEN, GERMANY.
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/059804	1)RÖTHER FRIEDBERT
Filing Date	:14/06/2011	2)MÄRKLE RAINER
(87) International Publication No	:WO 2011/160980	
(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 electromagnetic valve device (1) having at least one electromagnetic coil (6) which interacts with an armature body (2) and is held in a coil housing (4), wherein the armature body (2) is guided in a fixed, hollow-cylindrical armature guiding tube (8) and can be abutted against a head part (10), closing off the armature guiding tube (8) on the head side, of the armature guiding tube (8), which armature guiding tube (8) extends through a passage opening (12) in the coil housing (4) and a central opening (14) in a yoke plate (16) which is on the floor side in relation to the coil (6), and engages at least partially under the yoke plate (16) with a radially outwardly projecting annular floor part (18). The invention provides that, in order to axially support the head part (10), a supporting part (28) of the coil housing (4) engages at least partially over said head part (10), wherein the supporting part (28) makes contact with the head part (10) in a contact region (30).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4151/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR CONTROLLING PV SYSTEMS IN AN ELECTRICAL GRID

(51) International classification :H02J3/38,H02J3/48
(31) Priority Document No :10 2010 026 299.4
(32) Priority Date :06/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/002937
Filing Date :15/06/2011
(87) International Publication No :WO 2012/003921
(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)SCHÖPPNER HELMUT

(57) Abstract :

In an electrical grid (30) of a power supply utility the feed capacities of the photovoltaic installations (10) are controlled depending on feed requirements, the feed capacities of the photovoltaic installations (10) being reduced to a fraction factor (B) of the maximum possible feed capacity, which fraction factor is unequal zero. Each photovoltaic installation (10) comprises a photovoltaic inverter (20) and a feed power meter (50) on the AC side (20b) of the photovoltaic inverter (20), the feed power meter (50) on the AC side continuously measuring the power actually fed to the public electrical grid (30) and transmitting the respective measured power values. The maximum possible feed power of the photovoltaic installation (10) is then calculated using the fraction factor (B) and the continuously measured power values which are correlated therewith over time and the feed fee for the respective photovoltaic installation (10) is determined based on the maximum possible feed power calculated in that way.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4153/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CENTRIFUGAL PUMP

(51) International classification :F04D29/02,F04D29/42
(31) Priority Document No :10 2010 026 448.2
(32) Priority Date :08/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059587
Filing Date :09/06/2011
(87) International Publication No :WO 2012/004080
(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)BÖHM, ALEXANDER
2)BOSBACH, FRANZ
3)KELLER, CHRISTOPH
4)VAN GELDERN, MAIKE
5)WEITEN, ANDREAS

(57) Abstract :

The invention relates to a centrifugal pump, comprising a rotor and a housing surrounding said rotor, said housing having a connection on the pressure side and on the intake side, respectively. According to the invention, the housing surrounding the rotor is designed as a composite part, wherein a first thin-walled layer (5) defines the inner shape of the housing. At least one second layer (11) establishes the stability of the housing.

No. of Pages : 23 No. of Claims : 21

(54) Title of the invention : METHOD FOR PRODUCING A SELECTIVE DOPING STRUCTURE IN A SEMICONDUCTOR SUBSTRATE IN ORDER TO PRODUCE A PHOTOVOLTAIC SOLAR CELL

(51) International classification :H01L31/18
 (31) Priority Document No :10 2010 024 308.6
 (32) Priority Date :18/06/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/002965
 Filing Date :16/06/2011
 (87) International Publication No :WO 2012/000612
 (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)BIRO DANIEL

3)VOLK ANNE- KRISTIN

4)SEIFFE JOHANNES

5)MACK SEBASTIAN

6)WOLF ANDREAS

7)PREU RALF

(57) Abstract :

A method for producing a selective doping structure in a semiconductor substrate in order produce a photovoltaic solar cell. The method comprises the following steps: A) applying a doping layer (2) to the emitter side of the semiconductor substrate, B) locally heating a melting region of the doping layer (2) and a melting region of the semiconductor substrate lying under the doping layer (2) in such a way that dopant diffuses from the doping layer (2) into the melted semiconductor substrate by means of liquid-liquid diffusion, so that a high doping region (3) is produced after the melt mixture solidifies, C) producing the planar low doping region by globally heating the semiconductor substrate, D) removing the doping layer (2) and E) removing or converting a layer of the semiconductor substrate on the doping side in such a way that part of the low doping region and of the high doping region close to the surface is removed or is converted into an electrically non-conducting layer.

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

(54) Title of the invention : DISPOSABLE SET FOR CELL CULTURE, CELL CULTURE DEVICE AND CELL PREPARATION METHOD

(51) International classification	:C12M1/00,C12N5/02	(71)Name of Applicant :
(31) Priority Document No	:2010-151161	1)KANEKA CORPORATION
(32) Priority Date	:01/07/2010	Address of Applicant :3-2-4, Nakanoshima, Kita-ku, Osaka-
(33) Name of priority country	:Japan	shi, Osaka 5308288 JAPAN
(86) International Application No	:PCT/JP2011/065064	(72)Name of Inventor :
Filing Date	:30/06/2011	1)KOBAYASHI Akira
(87) International Publication No	:WO 2012/002497	2)ICHIMURA Masaki
(61) Patent of Addition to Application	:NA	3)NAKATANI Masaru
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The purpose is to construct a closed system having a simple structure without resorting to large scale equipment, wherein a step for separating useful cells, a step for culturing the useful cells separated in the separation step and a step for washing and concentrating the cells cultured in the culture step are all consistently carried out, to thereby enable the preparation of useful cells having high safety and good qualities while improving the handling properties. A cell culture device comprising a disposable set for cell culture, channel-switching valves and pumps that are provided at appropriate positions in the pipeline of the disposable set and a control unit for controlling the same, wherein said disposable set comprises: a cell culture container (CC) provided with a liquid inlet (Lin) and a liquid outlet (Lout); a cell separation kit (A) for separating cells to be used in the cell culture, said separation kit being connected to the liquid inlet (Lin); and a cell collection kit (B) for washing and concentrating the cells cultured in the cell culture container (CC), said cell collection kit being connected to the liquid outlet (Lout).

No. of Pages : 71 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4023/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : BLOCK TREATMENT AGENT

(51) International classification :C02F11/00,A61L9/01,B09B3/00
(31) Priority Document No :2010-143236
(32) Priority Date :23/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064143
Filing Date :21/06/2011
(87) International Publication No :WO 2011/162244
(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)ADACHI Kanichi

(57) Abstract :

Provided is a treatment agent for treating feces, urine, etc. The treatment agent is a block treatment agent that comprises hydrated lime or limestone, a water-absorbing polymer, and a binder.

No. of Pages : 69 No. of Claims : 10

(54) Title of the invention : METHOD FOR MANUFACTURING LEAF SPRINGS

(51) International classification :F16F1/02,B24C1/04,B24C1/10
 (31) Priority Document No :2010-129768
 (32) Priority Date :07/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/060966
 Filing Date :12/05/2011
 (87) International Publication No :WO 2011/155283
 (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)TANGE, Akira
2)KURIMOTO, Kiyoshi
3)GOTO, Yurika
4)SHIGEOKA, Iwao
5)KATO, Tadakazu
6)INOUCHI, Shinichi

(57) Abstract :

The disclosed method for manufacturing leaf springs can improve the durability of eyes of said leaf springs, improve productivity, and decrease manufacturing costs. When forming a gap (115), the front edge (113) of an eye section (112) is formed across from an opposing section (114) such that said front edge (113) does not intersect straight lines (L1 and L2) that connect center points (S1 and S2) of rebound- member rebound surfaces to a point (T1) where the aforementioned opposing section (114) intersects a line (H1) that is perpendicular to said opposing section and passes through the leaf(111)-side corner (113A) of the aforementioned front edge (113). During shot peening of the inner surface of the eye section (112), shot rebounding from the aforementioned rebound surfaces flies towards the opposing section (114) at the gap (115), covering the entire surface there. Also, when forming the eye section (112), the disclosed manufacturing method obviates the need for a step to cut the aforementioned front edge.

No. of Pages : 25 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4027/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : C5AR ANTAGONISTS

(51) International classification :A61K31/445,C07D211/06
(31) Priority Document No :12/823,039
(32) Priority Date :24/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041910
Filing Date :24/06/2011
(87) International Publication No :WO 2011/163640
(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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1)FAN, Pingchen

2)GREENMAN, Kevin Lloyd

3)LELETL, Manmohan Reddy

4)LI, Yandong

5)POWERS, Jay

6)TANAKA, Hiroko

7)YANG, Ju

8)ZENG, Yibin

(57) Abstract :

Compounds are provided that are modulators of the C5a receptor. The compounds are substituted piperidines and are useful in pharmaceutical compositions, methods for the treatment of diseases and disorders involving the pathologic activation of C5a receptors.

No. of Pages : 157 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.641/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SPATIAL STRUCTURE ASSEMBLIES

(51) International classification	:A47B47/0008	(71)Name of Applicant :
(31) Priority Document No	:61/494,873	1)HELIOFOCUS LTD.
(32) Priority Date	:08/06/2011	Address of Applicant :7 GOLDA MEIR ST. NESS ZIONA,
(33) Name of priority country	:U.S.A.	74036 Israel
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BLUMENTHAL, YANIR
(87) International Publication No	: NA	2)GADOT, OREN
(61) Patent of Addition to Application Number	:NA	3)KECK, THOMAS
Filing Date	:NA	4)SCHIEL, WOLFGANG
(62) Divisional to Application Number	:NA	5)ZLATANOV, HRISTO
Filing Date	:NA	

(57) Abstract :

A sun tracking system for tracking the sun in at least two axes, including a base, a rotating system mounted on the base, a spatial structure assembly having a lower portion at a first peripheral end thereof, and an upper portion at a second peripheral end thereof, the lower portion being more proximal to the base than the upper portion, and an anchoring location at the lower portion, and a torque box assembly at the anchoring location for resisting a torque applied to the spatial structure assembly.

No. of Pages : 31 No. of Claims : 34

(54) Title of the invention : DOUBLE-MEMBRANE CENTRAL-FLOW PUMP

(51) International classification :F04B43/073
 (31) Priority Document No :P201000633
 (32) Priority Date :18/05/2010
 (33) Name of priority country :Spain
 (86) International Application No :PCT/ES2011/000162
 Filing Date :18/05/2011
 (87) International Publication No :WO 2011/144772
 (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)GONZALEZ-MORATIEL ALVAREZ, Alberto

(57) Abstract :

The invention relates to a double-membrane central-flow pump controlled by an upper air distribution module with a low-friction pivoting directional valve including a hinged flap for distributing the actuation fluid. The fluid flow outlet and inlet holes in the wet chambers are at different levels inside the projectable section of the chamber. The four ball check valves or similar are disposed in a special arrangement, formed by two suction valves and two delivery valves which are disposed in the wet centre of the pump and which can be accessed from the upper part thereof. The two suction valves are located close to the pump inlet above the shaft, the outlet hole thereof being connected directly to the chamber of the membrane. The two delivery valves are located close to the pump outlet below the shaft and are also connected directly to the chamber of the membrane. The arrangement of the check valves which can be accessed from the same upper side allows the valves to be removed from above for maintenance once the air distribution module and the ball covers have been removed, without disconnecting the pump from the fluid line. Moreover, the arrangement of the side covers allows the non secured membranes to be removed from the sides for maintenance, once the air distribution module and the side covers have been removed, without disconnecting the pump from the fluid line.

No. of Pages : 26 No. of Claims : 11

(54) Title of the invention : SPATIALLY MODIFYING POLARIZATION STATE OF LIGHT

(51) International classification :G02B27/28,G02B26/08,G02B27/18
(31) Priority Document No :61/359,647
(32) Priority Date :29/06/2010
(33) Name of priority country:U.S.A.
(86) International Application No :PCT/IB2011/001521
Filing Date :29/06/2011
(87) International Publication No :WO 2012/001495
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)IMAX CORPORATION
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1)READ, Steven, Charles
2)BOWRON, John, William

(57) Abstract :

Systems and methods configured for outputting light having a polarization state distribution that is spatially uniform by applying a correction to, for example, a beam of light with a spatially uniform polarization state distribution that has been altered (unintentionally or otherwise) to become spatially non uniform are described. A projection system can include an optical element and a polarization altering device (PAD). The optical element can cause a polarization of light in the projection system to be spatially non uniform. The PAD can change the polarization state distribution of the light spatially based on an amount of spatial non uniformity on the light caused by the optical element and before the light enters the optical element. The projection system can output the light having a spatially uniform polarization state distribution.

No. of Pages : 44 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3853/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR PRODUCING A LEAD-FREE SLIDING BEARING

(51) International classification :C22C1/04,C22C9/02,F16C33/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/058145
Filing Date :10/06/2010
(87) International Publication No :WO 2011/154039
(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)SCHMITT, Holger
2)MEISTER, Daniel
3)LEWANDOWSKI, Roman
4)BRONISZEWSKI, Andrzej

(57) Abstract :

In a method for producing a lead-free sliding bearing, a copper based material comprising a total of 0.1% to 3% of the elements aluminum magnesium, silicon, titanium, zircon, and chromium is sintered. Additionally, up to 15% tin can be included in order to ensure optimal properties for use in the internal combustion engine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3855/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL AGONISTS OF TOLL-LIKE RECEPTOR 3 AND METHODS OF THEIR USE

(51) International classification :A61K48/00,C07H21/00
(31) Priority Document No :61/358,543
(32) Priority Date :25/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041796
Filing Date :24/06/2011
(87) International Publication No :WO 2012/027017
(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)LAN, Tao
3)PHILBIN, Victoria, Jane
4)AGRAWAL, Sudhir

(57) Abstract :

TLR3 agonist compounds, compositions and methods are provided for stimulating the activity of TLR3. The compositions comprise oligonucleotide based compounds that bind to and activate TLR3. The compositions may also comprise oligonucleotide based compounds that bind to and activate TLR3 in combination with other therapeutic and/or prophylactic compounds and/or compositions. Methods of using these compounds and compositions for stimulation of TLR3 activity and for prevention or treatment of diseases wherein modulation of TLR3 activity would be beneficial are provided.

No. of Pages : 76 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.467/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR FORMING A PACKAGE, A PACKAGE AND A PACKAGE BLANK

(51) International classification :B65D1/34,B31B45/00
(31) Priority Document No :1050874-5
(32) Priority Date :26/08/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/IB2011/053730
Filing Date :25/08/2011
(87) International Publication No :WO 2012/025898
(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)MYLLYS, TIMO
3)PIRTTINIEMI, OLAV
4)OJAVA, AIMO
5)MÄÄTTÄ, PÄIVI
6)JÄRVINEN, JALLIINA

(57) Abstract :

The present invention relates to a method for forming a package by moulding a cardboard blank in such a manner that a margin area (2) of the blank, surrounding a middle portion (1) of the blank, is bent upwards to form side walls of the package while the middle portion forms a bottom of the package. The cardboard blank prior to moulding is provided with at least one area (4) of reduced bending stiffness being located in a transition zone (3) between the side walls and the bottom. The package is moulded from the blank so that the at least one area (4) of reduced bending stiffness is located in the bended areas between the side walls and the bottom and extend in the running direction of the bend. The invention further relates to a package and a package blank that can be used for forming said package.

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

(54) Title of the invention : CODER USING FORWARD ALIASING CANCELLATION

(51) International classification :G10L19/00,G10L19/02,G10L19/04
 (31) Priority Document No :61/362,547
 (32) Priority Date :08/07/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2011/061521
 Filing Date :07/07/2011
 (87) International Publication No :WO 2012/004349
 (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)LECOMTE, Jér'mie
2)WARMBOLD, Patrick
3)BAYER, Stefan

(57) Abstract :

A codec supporting switching between time-domain aliasing cancellation transform coding mode and time-domain coding mode is made less liable to frame loss by adding a further syntax portion to the frames, depending on which the parser of the decoder may select between a first action of expecting the current frame to comprise, and thus reading forward aliasing cancellation data from the current frame and a second action of not expecting the current frame to comprise, and thus not reading forward aliasing cancellation data from the current frame. In other words, while a bit of coding efficiency is lost due to the provision of the new syntax portion, it is merely the new syntax portion which provides for the ability to use the codec in case of a communication channel with frame loss. Without the new syntax portion, the decoder would not be capable of decoding any data stream portion after a loss and will crash in trying to resume parsing. Thus, in an error prone environment, the coding efficiency is prevented from vanishing by the introduction of the new syntax portion.

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

(54) Title of the invention : VORTEX FLOWMETER,PRESSURE SENSOR FOR A VORTEX FLOWMETER AND METHOD FOR PRODUCING SUCH A PRESSURE SENSOR

(51) International classification	:G01F1/32	(71)Name of Applicant :
(31) Priority Document No	:102011107547.3	1)KROHNE MESSTECHNIK GMBH
(32) Priority Date	:11/07/2011	Address of Applicant :LUDWIG-KROHNE-STRASSE 5,
(33) Name of priority country	:Germany	47058 DUISBURG, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NEVILLE C. FERNANDES
(87) International Publication No	: NA	2)HENRIK KRISCH
(61) Patent of Addition to Application Number	:NA	3)MARKUS LAU
Filing Date	:NA	4)SYLVAN TOURNILLON
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Shown and described is a vortex flowmeter having a measuring tube (2) that can have a medium flowing through it, a bluff body (3) provided in the measuring tube (2) and a pressure sensor (4) provided in the effective range of the bluff body (3), wherein the pressure sensor (4) has a deflectable measuring diaphragm and the deflection of the measuring diaphragm (5) is used for determining the pressure in the medium neighboring the measuring diaphragm (5), wherein at least one optical fiber (7) is arranged on and/or in the measuring diaphragm (5) for detecting the deflection of the measuring diaphragm (5), wherein the optical fiber (7) is at least partially effectively connected to the measuring diaphragm (5) in its course on and/or in the measuring diaphragm (5), so that a deflection of the measuring diaphragm (5) caused by the medium pressure in the effective connected area (8) leads to an extension and/or compression of the optical fiber (7). A vortex flowmeter that can be used in harsh conditions is implemented, in that the pressure sensor (4) has a pocket (9) that can be deflected by the pressure of the medium and the pocket (9) surrounds the measuring diaphragm (5) with the optical fiber (7), so that the pocket (9) protects the measuring diaphragm (5) from the medium and the measuring diaphragm (5) is deflected together with the pocket (9).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.474/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : JOINING METHOD OF ALUMINUM-BASED METAL

(51) International classification	:B23K20/00,B23K20/16	(71)Name of Applicant :
(31) Priority Document No	:2010-193519	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:31/08/2010	Address of Applicant :2, TAKARA-CHO, KANAGAWA-KU
(33) Name of priority country	:Japan	YOKOHAMA-SHI, KANAGAWA 221-0023, JAPAN
(86) International Application No	:PCT/JP2011/069617	(72)Name of Inventor :
Filing Date	:30/08/2011	1)NANBU, TOSHIKAZU
(87) International Publication No	:WO 2012/029789	2)MIYAMOTO, KENJI
(61) Patent of Addition to Application		3)INOUE, MASAYUKI
Number	:NA	4)YAMAMOTO, CHIKA
Filing Date	:NA	5)UEHARA , YOSHITAKA
(62) Divisional to Application Number	:NA	6)HIROSE, AKIO
Filing Date	:NA	

(57) Abstract :

An inexpensive bonding method is provided with which it is possible to bond materials constituted of an aluminum-based metal to each other at a low temperature and a low pressure in the air while inhibiting deformation and without requiring the use of a flux and to minimize the influence on the base materials and on the periphery. Also provided are various bonded parts obtained by applying the bonding method. An insert material (2) comprising Zn as an element that undergoes a eutectic reaction with Al is interposed between two materials (1, 1) constituted of an aluminum-based metal. The two materials (1, 1) are heated, while being pressed against each other, to a temperature at which the eutectic reaction takes place, thereby generating, at the bonding interface between the two materials (1, 1), a melt due to the eutectic reaction with some of the Al contained in the base materials and discharging the Al oxide films (1a) from the bonding interface together with the melt. Thus, the two materials are bonded.

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.610/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/05/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SCORING SAW ASSEMBLY SWIVELABLE TO BOTH SIDES

(51) International classification	:B23D45/02	(71)Name of Applicant :
(31) Priority Document No	:20 2011	1)WILHELM ALTENDORF GMBH & CO. KG
(32) Priority Date	101 445.6	Address of Applicant :WETTINER ALLEE 43/45 32429
(33) Name of priority country	:27/05/2011	MINDEN GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)ALTENDORF, WILFRIED
(87) 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 scoring saw assembly for cutting a pre-scored groove into workpieces, comprising a frame which is designed for being attached to a circular saw, a first scoring saw blade connected to a drive motor, a second scoring saw blade positioned coaxially next to the first scoring saw blade, a device for adjusting the position that is designed for moving the first and the second scoring saw blade together relative to the frame in the axial direction of the axis of rotation of the scoring saw blades in order to position the pre-scored groove axially, a device for adjusting the width that is designed for moving the first and the second scoring saw blade relative to each other in axial direction of the axis of rotation of the scoring saw blades in order to adjust the width of the prescored groove. Pursuant to the invention, the device for adjusting the position comprises a support arm and a positioning actuator coupled mechanically between support arm and frame.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.690/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CHILD-RESISTANT CAP AND CONTAINER ASSEMBLY

(51) International classification	:B65D50/04	(71)Name of Applicant :
(31) Priority Document No	:61/499,402	1)DRUG PLASTICS & GLASS CO., INC.
(32) Priority Date	:21/06/2011	Address of Applicant :ONE BOTTLE DRIVE
(33) Name of priority country	:U.S.A.	BOYERTOWN, PENNSYLVANIA 19512 UNITED STATES
(86) International Application No	:NA	OF AMERICA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)BIESECKER, FREDERICK N.
(61) Patent of Addition to Application Number	:NA	2)SPRISHEN, GREGORY
Filing Date	:NA	3)KNESTRICK, WILLIAM GORDON, III
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cap includes a top wall, an outer peripheral edge, a first section, and a second section. A skirt depends from the outer peripheral edge. The skirt includes an attached end, a free end, a plurality of slots, and a plurality of apertures. Each aperture is spaced-apart from the free end of the skirt. The top wall has a first configuration and a second configuration. When the top wall is in the first configuration, the first section is generally planer and the second section is generally arcuate. When the top wall is in the first configuration, the skirt extends generally perpendicularly to the first section to generally engage at least a portion of a container. When the top wall is in the second configuration, the free end of the skirt extends radially outwardly from the attached end thereof to allow the cap to be removed from the container.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.692/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYNCHRONOUS LIGHT ADJUSTMENT METHOD AND THE DEVICE FOR PERFORMING THE SAME.

(51) International classification

:H05B37/02

(31) Priority Document No

:100125593

(32) Priority Date

:20/07/2011

(33) Name of priority country

:Taiwan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)YU-SHENG SO

Address of Applicant :3F., NO.12, ALY. 5, LN. 120,
BAOGAO RD., XINDIAN DIST., NEW TAIPEI CITY,
TAIWAN (R.O.C.)

(72)Name of Inventor :

1)YU-SHENG SO

(57) Abstract :

A synchronous light adjustment method and the device for performing the same are proposed. Each of plurality of lamps is installed with a light sensor and a control unit. By actuating a single power switch, the control unit will control the illumination of a respective one of the LED lamps independently and automatically based on the environmental illumination detected by a light sensor. Further, by switching the power switch manually to match predetermined operations, the control units will adjust the illuminations and color temperatures of the LED lamps synchronously and gradually. The device is convenient in installation and usage.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4039/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POWER TRANSMISSION DEVICE FOR ELECTRIC VEHICLE

(51) International classification :B60L3/00,H02K5/16
(31) Priority Document No :2010-121145
(32) Priority Date :27/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/002945
Filing Date :26/05/2011
(87) International Publication No :WO 2011/148642
(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 :2, Takara-cho, Kanagawa-ku
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(72)Name of Inventor :
1)OKADA Tomohiro
2)OIKAWA Naoaki
3)SARUWATARI Takahiro
4)IKEDA Tatsuhiko
5)NAKAYAMA Ken
6)SOEDA Kazuhiko
7)INADA Akinori

(57) Abstract :

A power transmission device for a vehicle is comprised of a motor including a rotor shaft and a stator having an electromagnetic coil; an inverter configured to generate an alternating current, the inverter being connected with the coil to controllably rotate the rotor shaft relative to the stator; a gear set including an input shaft coupled with and rotated by the rotor shaft, an output shaft and gears so meshed as to transmit torque of the input shaft to the output shaft; and a grounding path electrically connecting a part of the gear set with a body of the vehicle, the part being so disposed as to have the input shaft electrically interposed between the part and the rotor shaft.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.404/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : AQUEOUS INK FOR THE PRINTING OF ELECTRODES FOR LITHIUM BATTERIES

(51) International classification :H01M4/04,H01M4/13,H01M4/139
(31) Priority Document No :1057593
(32) Priority Date :22/09/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051777
Filing Date :22/07/2011
(87) International Publication No :WO 2012/038628
(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 :25 RUE LEBLANC, B,TIMENT LE PONANT D, 75015 PARIS, France
(72)Name of Inventor :
1)PICARD , LIONEL
2)GIROUD, NELLY
3)ROUAULT, HÉLÈNE
4)SOLAN, SÉBASTIEN

(57) Abstract :

The aqueous ink of the invention is intended for producing electrodes by printing. It comprises at least one electrode active material and at least one hydrosoluble or hydrodispersible conducting polymer, advantageously PEDOT/PSS.

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

(54) Title of the invention : SUSPENSION SMELTING FURNACE AND A CONCENTRATE BURNER

(51) International classification :C22B15/00,F27D3/18,F27D99/00

(31) Priority Document No :20105741

(32) Priority Date :29/06/2010

(33) Name of priority country :Finland

(86) International Application No :PCT/FI2011/050614

Filing Date :28/06/2011

(87) International Publication No :WO 2012/001238

(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 :Riihitontuntie 7 FI-02200 Espoo

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(72)Name of Inventor :

1)BJÖRKLUND, Peter**2)PELTONIEMI, Kaarle****3)J...FS, Mikael****4)AHOKAINEN, Tapio****5)PIENIMÄKI, Kari****6)PESONEN, Lauri, P.**

(57) Abstract :

The invention relates to a suspension smelting furnace comprising a reaction shaft (1), an uptake shaft (2), and a lower furnace (3), as well as a concentrate burner (4) for feeding reaction gas and fine solids into the reaction shaft (1) of the suspension smelting furnace. The concentrate burner (4) comprises a fine solids discharge channel (5) that is radially limited by the wall (6) of the solids discharge channel, a fine solids dispersion device (7) in the fine solids discharge channel (5), an annular reaction gas channel (8) that surrounds the fine solids discharge channel (5) and is radially limited by the wall (9) of the annular reaction gas channel (8), and a cooling block (10) that surrounds the annular reaction gas channel (8). The cooling block (10) is a component that is manufactured by a continuous casting method. The cooling block (10) is attached to the arch (11) of the reaction shaft (1) and the wall (9) of the annular reaction gas channel (8), so that the discharge orifice (12) of the annular reaction gas channel (8) is formed between a structure (13), which is jointly formed by the cooling block (10) and the wall (9) of the annular reaction gas channel (8), and the wall (6) of the solids discharge channel. The invention also relates to a concentrate burner (4) for feeding reaction gas and fine solids into the reaction shaft (1) of a suspension smelting furnace.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.631/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NI-BASED ALLOY FOR CASTING USED FOR STEAM TURBINE AND CASTING COMPONENT OF STEAM TURBINE

(51) International classification

:B22D21/06

(31) Priority Document No

:2011-
130309

(32) Priority Date

:10/06/2011

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)KABUSHIKI KAISHA TOSHIBA

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(72)Name of Inventor :

1)KUNIYOSHI NEMOTO

2)YOMEI YOSHIOKA

3)KIYOSHI IMAI

4)SHIGEKAZU MIYASHITA

5)TAKEO SUGA

(57) Abstract :

An Ni-based alloy for casting used for a steam turbine of an embodiment contains in percent (%) by mass C (carbon) : 0.01 to 0.1, Cr (chromium) : 15 to 25, Co (cobalt) : 10 to 15, Mo (molybdenum) : 5 to 12, Al (aluminum) : 0.5 to 2, Ti (titanium) : 0.3 to 2, B (boron) : 0.001 to 0.006, Ta (tantalum): 0.05 to 1, Si (silicon): 0.1 to 0.5, Mn (manganese) : 0.1 to 0.5, and the balance of Ni (nickel) and unavoidable impurities.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.722/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR IONOSPHERE DEPLETION DETECTION

(51) International classification	:G01S19/44	(71)Name of Applicant :
(31) Priority Document No	:13/171,998	1)RAYTHEON COMPANY
(32) Priority Date	:26/06/2011	Address of Applicant :870 WINTER STREET WALTHAM,
(33) Name of priority country	:U.S.A.	MASSACHUSETTS 02451 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)UM GREGORY S.
(87) International Publication No	: NA	2)GOLUBEV YURY N.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of detecting a plasma depletion in the ionosphere includes comparing the large scale ionosphere trend with a local temporal slope of vertical or slant delay. In one example, the local temporal slope of delay is calculated phase data extracted from GPS signals at a GPS receiver, and the large scale trend is determined from broadcast ionosphere grid point delay data.

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

(54) Title of the invention : T- SLOT CUTTER HAVING SEPARATE CENTERING AND TORQUE-TRANSMITTING PORTIONS

(51) International classification	:B23C5/10,B23B31/00	(71) Name of Applicant :
(31) Priority Document No	:207624	1)ISCAR LTD.,
(32) Priority Date	:16/08/2010	Address of Applicant :P.O. BOX 11, 24959 TEFEN, Israel
(33) Name of priority country	:Israel	(72) Name of Inventor :
(86) International Application No	:PCT/IL2011/000593	1)MARSHANSKY, AMIR
Filing Date	:24/07/2011	
(87) International Publication No	:WO 2012/023127	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cutting head (14) for a T-slot cutter (10) includes opposing cutting head top and intermediate surfaces (18, 20) extending perpendicular to a head rotation axis (A), and a head peripheral surface (22) extending therebetween. The cutting head (14) also includes cutting portions (24) located along the head peripheral surface (22) and a head protrusion (32). The head protrusion (32) extends from the cutting head intermediate surface (20) and includes a head torque-transfer portion (42). The cutting head (14) further includes a cutting head abutment surface (34), and a head bore (36) coaxial with the head rotation axis (A). The head bore (36) extends between, and opens out to, the cutting head top surface (18) and the head protrusion (32). The cutting head (14) also includes a head centering portion (40) distinct from the head torque- transferring portion (42) and located at an axial position different therefrom, along the head rotation axis (A).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4156/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOVEL COMPOUNDS AS OPIOID RECEPTOR MODULATORS

(51) International classification :A61K31/4172

(31) Priority Document No :60/376,406

(32) Priority Date :29/04/2002

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

(86) International Application No :PCT/US2003/011872

Filing Date :17/04/2003

(87) International Publication No :WO/2003/092688

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :01727/KOLNP/2004

Filed on :16/11/2004

(71)Name of Applicant :

1)JANSSEN PHARMACEUTICA, N. V.

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BEERSE, BELGIUM

(72)Name of Inventor :

1)BRESLIN, HENRY J.

2)HE, WEI:

3)KAVASH, ROBERT W.

(57) Abstract :

This invention is directed towards compounds of formula (I) as opioid receptor modulators, antagonists, and agonists useful for the treatment of opioid modulated disorders such as pain and gastrointestinal disorders.

No. of Pages : 115 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4157/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INKJET INK, INK CARTRIDGE, INKJET RECORDING METHOD, INKJET RECORDING DEVICE, AND INKJET RECORDED MATTER

(51) International classification :C09D11/00,B41J2/01,B41M5/00
(31) Priority Document No :2010-175585
(32) Priority Date :04/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/067906
Filing Date :29/07/2011
(87) International Publication No :WO 2012/018098
(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)GOTOU, HIROSHI
2)NAGAI, KIYOFUMI
3)NAMBA, MICHIIKO
4)FUJII,HIDETOSHI
5)YOKOHAMA,YUUKI

(57) Abstract :

To provide an inkjet ink, which contains: water; a wetting agent; a surfactant; and a colorant wherein the wetting agent contains at least an amide compound represented by the following structural formula (I):

No. of Pages : 124 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4158/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD

(51) International classification	:H04M/00
(31) Priority Document No	:2010-150560
(32) Priority Date	:30/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/064814
Filing Date	:28/06/2011
(87) International Publication No	:WO2012/002392
(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 :11-1, NAGATACHO 2-CHOME
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2)NEC CORPORATION

(72)Name of Inventor :

1)NISHIDA, KATSUTOSHI

2)TAMURA, TOSHIYUKI

(57) Abstract :

A mobile communication method according to the invention comprises the steps of: causing MSC server/CS-MGW to transmit a path switching signal and activate a timer; causing UE(#2) to switch a transmission destination of a voice communication data signal addressed to UE(#1) from S/P-GW to the MSC server/CS-MGW; causing the MSC server/CS-MGW transmits a path restoration instruction signal if not detecting that handover of the UE(#1) from E-UTRAN to UTRAN/GERAN is completed before the timer expires; and causing the UE(#2) switches a transmission destination of the voice communication data signal addressed to the UE(#1) from the MSC server/CS-MGW to the S/P-GW in response to the path restoration instruction signal.

No. of Pages : 75 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.707/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE BOTTOM STRUCTURE

(51) International classification	:B62D25/20	(71)Name of Applicant :
(31) Priority Document No	:2011-142339	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:27/06/2011	Address of Applicant :300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU SHIZUOKA 432-8611 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)MIZOGUCHI HIROO
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 vehicle bottom structure is provided which, in the case where a vehicle is involved in an accident such as a rear-end collision, can prevent an exhaust system component reaching a high temperature from being brought into contact with a fuel tank without causing any trouble. A vehicle bottom structure according to the present invention includes a suspension member installed between a fuel tank and a muffler silencer and extending in the width direction of the vehicle, and a stopping member suspended from the bottom of the vehicle between the suspension member and the muffler silencer, the vertical position of the stopping member overlapping the vertical position of the muffler silencer. The suspension member is on a trajectory obtained by rotating the stopping member to the front side of the vehicle around the point at which the stopping member is suspended from the bottom of the vehicle.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.469/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : A CONTAMINANT CONTROL SYSTEM IN AN EVAPORATIVE WATER TREATING SYSTEM

(51) International classification :C02F1/04,B01D1/30,E21B43/24
(31) Priority Document No :61/376,301
(32) Priority Date :24/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000325
Filing Date :29/03/2011
(87) International Publication No :WO 2012/024764
(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, KENNETH

(57) Abstract :

A contaminant control system for an evaporative water purification process as deployed in a steam assisted gravity drainage process facility for in situ heavy oil recovery, The contaminant control system is specifically designed to simultaneously control silica, hardness and oil contaminant present in the evaporator feed water to prevent fouling of heat exchange surfaces and improve system reliability and can be applied to many evaporator designs available on the market.

No. of Pages : 42 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.477/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : FRAME PIECE FOR A RACK

(51) International classification :F16M
(31) Priority Document No :10 2010 035 792.8
(32) Priority Date :30/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004287
Filing Date :26/08/2011
(87) International Publication No :WO 2012/031696
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SCHAAF, IGOR, HARRY
4)MAZURA, PAUL
5)HELLWIG, MANFRED
6)NICOLAI, WALTER

(57) Abstract :

The invention relates to a frame piece (12a-d, 14a-d, 16a-d) for a rack (10), comprising a hollow profile (42) which extends along its longitudinal axis (L) and is brought into its cylindrical profile shape by shaping a substantially flat starting material. The hollow profile (42), on two opposite lateral edges (18, 22), has a connecting zone (58) for closing the hollow profile (42), at least one tab-type projection (54, 56) being formed on at least one of the lateral edges (18, 22), said projection extending away from the lateral edge (18, 22) of the hollow profile (42) and being shaped such that it can be brought into engagement with at least one corresponding receptacle on the respective other lateral edge (18, 22) in a clamping or positive manner.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.657/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR IMAGE-BASED AUTOMATIC EXPOSURE CORRECTION

(51) International classification :G06K9/40
(31) Priority Document No :102011104198.6
(32) Priority Date :15/06/2011
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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MANNHEIM GERMANY

(72)Name of Inventor :

1)OLAF BIGALKE

2)JÖRG PLATTE

3)CHRISTIAN KLEINE-COSACK

(57) Abstract :

A method for the image-based automatic exposure correction of a house communication system is proposed which has as system components a door station (4) and at least one residential station (1) connected thereto via a bus (15), wherein a camera (5) of the door station (4) records images of persons who stop in front of the door station, wherein these images are displayed on the display (2) of the residential station (1), wherein the analogue or digital image signal (BS) generated by the camera (5) is evaluated with the aid of a region detector (10) which identifies one or more relevant image regions, wherein a brightness sensor (11) determines the quality of exposure of at least one image region of interest on the basis of the result of the region detector (10), wherein a control unit (8) determines from a predetermined nominal value (SW) and the actual value (IW) generated and supplied by the brightness sensor (11) correcting variables (SG) which optimize the exposure parameters of the camera (5) iteratively during the image recording.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.736/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MODEL PARAMETER ESTIMATION FOR A RATE-OR DISTORTION-QUANTIZATION MODEL FUNCTION

(51) International classification :H04N7/26127
(31) Priority Document No :11173076.8
(32) Priority Date :07/07/2011
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG
DER ANGEWANDTEN FORSCHUNG E.V.**
Address of Applicant :HANSASTRA E 27C, 80686
MUENCHEN, GERMANY
(72)**Name of Inventor :**
1)SCHWAAB, MANUEL
2)THOMA, HERBERT

(57) Abstract :

A more accurate model parameter estimation is achieved by using a Kalman filter for discretely estimating the model parameters between the consecutive frames of the frame sequence and performing the correction step of the time-discrete Kalman filter twice per frame, namely first using a measurement value which depends on a complexity measure of the current frame so as to obtain a primarily corrected state of the time-discrete Kalman filter, and secondly using a measurement value which depends on an actual coding rate or distortion of the video encoder in encoding the current frame using a predetermined quantization which, in turn, may have been determined by use of an estimation of the actual rate- or distortion-quantization function according to the primarily corrected state,. A rate-quantization model function is provided which relates the quantization of the video encoder to the coding rate of the video encoder and is piecewise defined so as to exhibit a quadratic function in a finer quantization interval, and an exponential function in a coarser quantization interval.

No. of Pages : 60 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.466/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : SITE MEMORY PROCESSING AND CLIPPING CONTROL

(51) International classification	:G06F7/00,G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:61/380,924	1)EVERNOTE CORPORATION
(32) Priority Date	:08/09/2010	Address of Applicant :305 WALNUT STREET REDWOOD
(33) Name of priority country	:U.S.A.	CITY, CA 94063 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2011/050796	(72)Name of Inventor :
Filing Date	:08/09/2011	1)LIBIN, PHIL
(87) International Publication No	:WO 2012/033898	2)CONSTANTINO, PHIL
(61) Patent of Addition to Application	:NA	3)STAVISKY, DMITRY
Number	:NA	4)PACHIKOV, ALEX
Filing Date	:NA	5)SKALDIN, PAVEL
(62) Divisional to Application Number	:NA	6)SINKOV, ANDREW
Filing Date	:NA	

(57) Abstract :

A system is provided for presenting users with relevant personalized and/or customized information whenever a visitor visits a website or performs an internet search. The described system described herein advantageously provides for the saving (clipping) of website information as an integrated part of a visitors browsing experience. The content of the website information that is clipped may be advantageously controlled by a website owner/publisher. Using website clips, identified as notes, previously stored by a visitor, currently displayed website content may be accordingly modified in connection with identified relevant notes and/or a notification may be displayed on the current website for a particular visitor identifying stored relevant notes of the visitor.

No. of Pages : 36 No. of Claims : 40

(54) Title of the invention : VEHICLE BODY CONVEYING CARRIAGE IN AUTOMOBILE ASSEMBLY LINE

(51) International classification	:B65G17/48	(71)Name of Applicant :
(31) Priority Document No	:2011-117876	1)DAIFUKU CO., LTD.
(32) Priority Date	:26/05/2011	Address of Applicant :3-2-11 MITEJIMA,
(33) Name of priority country	:Japan	NISHIYODOGAWA-KU, OSAKA -SHI, OSAKA 5550012
(86) International Application No	:NA	JAPAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)NISHIKAWA HIROSHI
(61) Patent of Addition to Application Number	:NA	2)IBA TOSHIYUKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vehicle body conveying carriage in an automobile assembly line according to the first aspect of the present invention is provided, below a conveying carriage 1 which conveys a vehicle body B, with a door storage section 7A storing a door D in a horizontal posture and a door conveying means 8 to horizontally convey the door D from the door storage section 7A to a rise-and-fall position at a lateral side portion of the conveying carriage 1 and to allow the door D to vertically rise at the rise-and-fall position. The door conveying means 8 includes a door supporting body 18 switchable between a horizontal posture and a vertically rising posture and a cam follower roller 47a. On a traveling path side of the conveying carriage 1, a cam rail 49 laterally moving the door conveying means 8 between the door storage section 7A and the rise-and-fall position via the cam follower roller 47a along with traveling of the conveying carriage 1 is laid.

No. of Pages : 63 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.595/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SLIDING TABLE SAW HAVING A GUIDE MECHANISM

(51) International classification	:B23D47/02	(71)Name of Applicant :
(31) Priority Document No	:20 2011	1)WILHELM ALTENDORF GMBH & CO. KG
(32) Priority Date	101 682.3	Address of Applicant :WETTINER ALLEE 43/45 32429
(33) Name of priority country	:27/05/2011	MINDEN GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)ALTENDORF, WILFRIED
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a sliding table saw provided with a linear rail guide, the linear rail guide having a guide rail with a cross-section comprising a rail head and a rail web extending from the rail head to a rail base, and having a guide carriage which can be moved along the axial direction of the guide rail and which has an elastic clamping member for fixing the guide carriage to the guide rail. The invention is characterised by the clamping member having two clamping member legs with two inwardly facing clamping jaws, wherein the clamping member legs partially surround the rail head such that the clamping jaws each face opposite outer surfaces of the rail web, and the recess partially surrounds the clamping member in such a way that the outer surfaces of the clamping member legs abut inner surfaces of the legs of the U-shaped recess, said inner surfaces being increasingly spaced apart towards an opening of the recess, wherein the clamping member interacts with an adjuster member which can apply an adjusting force between the carriage body and the clamping member, as a result of which the clamping member is pressed against the inner surface such that the clamping jaws clamp the rail web.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.758/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :09/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SWITCH WITH PROTECTIVE HOUSING AND METHOD FOR PRODUCING SAME

(51) International classification	:H05K5/02
(31) Priority Document No	:102011107110.9
(32) Priority Date	:12/07/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)MARCEL P. HOFSAESS
Address of Applicant :JECHABURGER WEG 56 99706
SONDERSHAUSEN, GERMANY
(72)Name of Inventor :
1)MARCEL P. HOFSAESS

(57) Abstract :

An electrical component (28) is provided with a protective housing (32). Two connection surfaces (31) for the electrical connection of connecting cables (21) are provided on the component (28), said connecting cables being provided with a flexible plastic sheath and being connected electrically with their first ends to the connection surfaces (31). The connecting cables (21) protrude with their second ends (15) through a cable bushing (31) out of the protective housing (32). An additional sheathing (25) is arranged on the plastic sheath of the connecting cables (21) over a first length (27) and is by firm bond materially connected to the plastic sheath. The cable bushing (33) is manufactured from plastic and is connected by firm bond materially to the additional sheathing (25) over a second length (39).

No. of Pages : 25 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.475/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE DRIVING ASSISTANCE DEVICE

(51) International classification :B60K35/00,F02D45/00
(31) Priority Document No :2010-171325
(32) Priority Date :30/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/065347
Filing Date :05/07/2011
(87) International Publication No :WO 2012/014638
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NISSAN MOTOR CO., LTD.
Address of Applicant :2, TAKARA-CHO, KANAGAWA-KU
YOKOHAMA-SHI, KANAGAWA 221-0023, JAPAN
(72)Name of Inventor :
1)TETSUYA FUKU
2)AKIHIRO MAKIYAMA
3)SHIGEYUKI SAKAGUCHI
4)YUTAKA KAWAMOTO

(57) Abstract :

To achieve driving with good fuel economy, a target accelerator pedal opening (21) and an actual accelerator pedal opening (26) are displayed on an accelerator pedal indicator (20) of an instrument panel to allow the vehicle operator to control the accelerator pedal so as to bring the actual accelerator pedal opening (26) close to the target accelerator pedal opening (21). The target accelerator pedal opening varies depending on the vehicle speed, but is displayed at a fixed position on the accelerator pedal indicator (20) with the actual accelerator pedal opening (26) displayed as the ratio therebetween. In the region (L) near the target accelerator pedal opening (21), the sensitivity to a variation in the display position corresponding to the amount of change in accelerator pedal opening is reduced so that the actual accelerator pedal opening (26) being displayed will not vary too sensitively, thereby facilitating the control by the vehicle operator.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.71/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : A DELIVERY SYSTEM FOR ACTIVE COMPONENTS AS PART OF AN EDIBLE COMPOSITION

(51) International classification :A23L1/00,A23P1/04,A23L1/236
(31) Priority Document No :61/369,323
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045930
Filing Date :29/07/2011
(87) International Publication No :WO 2012/016161
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KRAFT FOODS GLOBAL BRANDS LLC
Address of Applicant :Three Lakes Drive, Northfield, Illinois
60093 United States of America
(72)Name of Inventor :
1)ANASTASIOU, Theodore James
2)GUAN, Junjie
3)BINDRA, Mandeep

(57) Abstract :

A delivery system for inclusion in an edible composition is formulated to have at least one active component with an encapsulating material for delivering the active component upon consumption of the edible composition wherein the dispersion of active component particles, as measured by the average distance between active component particles in the delivery system divided by the average particle diameter of the active component particles, is from 0.5 to 20.

No. of Pages : 51 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.711/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NOZZLE AND NOZZLE ASSEMBLY CONFIGURED TO MINIMIZE COMBINED THERMAL AND PRESSURE STRESS DURING TRANSIENTS

(51) International classification	:B05B1/00	(71)Name of Applicant :
(31) Priority Document No	:13/169490	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:27/06/2011	Address of Applicant :BROWN BOVERI STRASSE 7 5400
(33) Name of priority country	:U.S.A.	BADEN SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)WESLEY P. BAUVER II
(87) International Publication No	: NA	2)DONALD W. BAIRLEY
(61) Patent of Addition to Application Number	:NA	3)IAN J. PERRIN
Filing Date	:NA	4)GLENN T. SELBY
(62) Divisional to Application Number	:NA	5)RAHUL J. TERDALKAR
Filing Date	:NA	

(57) Abstract :

In a nozzle and a nozzle assembly, for use in a pressure vessel, stress analysis is used to determine areas of stress concentration. The nozzle is configured to reduce these stress concentrations.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.712/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : NON-DESTRUCTIVE EVALUATION OF WELDED JOINTS OF BAR WOUND STATOR UTILIZING INFRARED AND THERMAL METHODS

(51) International classification	:B23K11/24
(31) Priority Document No	:13/240449
(32) Priority Date	:22/09/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)URBAN J DE SOUZA

2)EDWARD PANOZZO

3)DANIEL L. SIMSON

4)JOHN S. AGAPIOU

5)XIAOLING JIN

(57) Abstract :

A method and system for non-destructive evaluation of one or more welds of a stator includes activating the stator welds using an electrical current; recording radiometric thermal images of the welds over time; and analyzing a temperature-time profile of a weld to qualify the weld by one or more of estimating the size of the weld, determining if the temperature of the activated weld has exceeded a predetermined temperature at a predetermined time, or comparing the temperature-time profile of the weld to a reference. The stator may be configured as a bar wound stator. A mask may be applied to the stator to reduce reflections or emissions from non-weld thermal sources.

No. of Pages : 42 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.766/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MESSAGE FORWARDING METHOD, ACCESS POINT, AND SYSTEM

(51) International classification	:H04W48/20
(31) Priority Document No	:201110262509.X
(32) Priority Date	:06/09/2011
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)HUAWEI TECHNOLOGIES CO., LTD.
Address of Applicant :HUAWEI ADMINISTRATION
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SHENZHEN, GUANGDONG 518129, P.R. CHINA
(72)**Name of Inventor :**
1)XU, YIBIN
2)SUN, BING

(57) Abstract :

The present invention discloses a message forwarding method, an Access Point, and a system. An Access Point obtains a forwarding configuration table, where the forwarding configuration table includes message types and forwarding modes; receives a message sent by a user station and obtains a message type of the message; determines the forwarding mode of the message according to the message type of the message and the forwarding configuration table; encapsulates and forwards the message according to the forwarding mode of the message. Through the present invention, forwarding control of messages of wireless users can be implemented on the Access Point, thereby avoiding the problem that wireless air interface control is separated from user access control on an AP controller (AC) in the local forwarding mode and the problem of waste of bandwidth between the AP and the AC in the tunnel forwarding mode.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.685/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONSTRUCTION APPARATUS

(51) International classification	:G06F2217/02	(71)Name of Applicant :
(31) Priority Document No	:11006585.1	1)BAUER MASCHINEN GMBH
(32) Priority Date	:10/08/2011	Address of Applicant :BAUER-STR.1, 86529
(33) Name of priority country	:EPO	SCHROBENHAUSEN, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LANZL,MARTIN
(87) International Publication No	: NA	2)ANGERMEIER,MANFRED
(61) Patent of Addition to Application Number	:NA	3)OEHME,RALF
Filing Date	:NA	4)ROTH,STEFAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a construction apparatus having a carrier vehicle, a mast and a rope winch which is supported on the carrier vehicle and has a winch frame and a rope drum supported therein in a rotatable manner about an axis of rotation. The rope winch is supported in a pivotable manner on the carrier vehicle about a first pivot axis with a first pivot pin. Provision is made for at least one pivot cylinder with which the rope winch can be pivoted about the first pivot axis. To release the first pivot axis the first pivot pin can be released and at least one second pivot pin can be fed to the winch in order to form a second pivot axis which is spaced from the first pivot axis. By means of the pivot cylinder the rope winch can be pivoted about the second pivot axis.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.686/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TONER, METHOD FOR PRODUCING THE SAME, AND IMAGE FORMING APPARATUS

(51) International classification	:G03G9/00	(71)Name of Applicant :
(31) Priority Document No	:2011-137493	1)RICOH COMPANY, LTD.
(32) Priority Date	:21/06/2011	Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
(33) Name of priority country	:Japan	OHTA-KU, TOKYO, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SEKI MASAHIRO
(87) International Publication No	: NA	2)SEKIGUCHI YOSHITAKA
(61) Patent of Addition to Application Number	:NA	3)INOUE RYOTA
Filing Date	:NA	4)FUWA KAZUOKI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A toner including: a base resin; and charge-controlling resin particles contained in the base resin, wherein the toner is in shape of particles, and the charge-controlling resin particles are present in a region of each toner particle which is 500 nm in depth from a surface of the toner particle and an average of amounts of the charge-controlling resin particles present in the regions of the toner particles is 20% by volume to 70% by volume, wherein an average of embedment rates of the charge-controlling resin particles in the toner particles is 90% or higher, where each embedment rate is an average of embedment rates of the charge-controlling resin particles in each toner particle, and wherein the charge-controlling resin particles have a charge amount of 60 $\mu\text{C}/\text{m}^2$ or more as measured by a blow-off method.

No. of Pages : 88 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.782/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR OPERATING A COLLECTION MEANS FOR PRINTED PRODUCTS

(51) International classification	:B65H7/20	(71)Name of Applicant :
(31) Priority Document No	:01270/11	1)MÜLLER MARTINI HOLDING AG
(32) Priority Date	:29/07/2011	Address of Applicant :SONNENBERGSTRASSE 13, CH-
(33) Name of priority country	:Switzerland	6052 HERGISWIL, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ROLF MEYERHANS
(87) International Publication No	: NA	2)THOMAS PROBST
(61) Patent of Addition to Application Number	:NA	3)ROGER STAMMBACH
Filing Date	:NA	4)ROGER LÜSCHER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a method for operating a collection means for printed products (27), in which the printed products are drawn off from a discharge device with at least one discharge point (A-E), these printed products are deposited one after the other on a conveyor belt (21) during a cycle period. Once all the printed products have been discharged during one cycle of the discharge device, this leads to a bundle which is transferred to a subsequent conveying mechanism (20) consisting of a number of receiving pockets (22) at a transfer station (1) on the conveyor belt (21). In the event of at least one printed product (27) being drawn off incorrectly from at least one discharge point (A-E), a repair process is controlled in such a way that the missing printed product is drawn off from the relevant discharge point (A-E) at a time corresponding to a subsequent recurrent pocket-related cycle of the conveying mechanism in a cycle period relating to the discharge device and inserted in the relevant receiving pocket which is incompletely loaded with printed products.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.806/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : VEHICLE BODY STRUCTURE

(51) International classification	:B62D6/00
(31) Priority Document No	:2011-158766
(32) Priority Date	:20/07/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SUZUKI MOTOR CORPORATION

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(72)Name of Inventor :

1)ATSUMI RYO

(57) Abstract :

An object of the invention is to provide a vehicle body structure enabling weight reduction while maintaining supporting strength. A vehicle body structure 100 according to the invention is a vehicle body structure supporting a steering suspension component including a steering shaft 12 6, the vehicle body structure including a front steering support member 110 extending in a vehicle width direction and fixed to dash side panels 106a and 106b at both ends 110a and 110b, and a rear steering support member 112 disposed rearward of the front steering support member and extending approximately parallel to the front steering support member, both ends of which being coupled to the front steering support member via intermediate brackets 114a and 114b without reaching the dash side panels, wherein the rear steering support member coincides with the center of gravity of the steering suspension component when seen from a lateral side of a vehicle body.

No. of Pages : 39 No. of Claims : 6

(54) Title of the invention : PROCESS FOR THE DETRITIATION OF SOFT HOUSEKEEPING WASTE AND PLANT THEREOF

(51) International classification :G21F9/02,G21F9/30
 (31) Priority Document No :RM2010A000340
 (32) Priority Date :22/06/2010
 (33) Name of priority country :Italy
 (86) International Application No :PCT/IT2011/000211
 Filing Date :21/06/2011
 (87) International Publication No :WO 2011/161709
 (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)COMMISSARIAT L'ÉNERGIE ATOMIQUE ET AUX
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4)BORGOGNONI, Fabio

5)LIGER, Karine

6)SANTUCCI, Alessia

7)LEFEBVRE, Xavier

(57) Abstract :

A process for removal of tritium from materials that are contaminated thereby envisages the use of a detritiation reactor RT, in which the reaction for the removal of tritium from the waste takes place, said waste being recovered by means of a flow of moist inert gas in which an extremely low percentage of humidity is used. The heated waste releases a current of tritiated gases, said current of gases being removed from the reactor via the moist inert gas, which conveys it into a membrane reactor RM for decontamination. The membrane reactor, in fact is able to remove selectively the tritium present in the mixture of gases: there is thus the dual advantage of purifying the mixture of gases and of recovering the tritium contained therein.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3857/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : UREA DERIVATIVES AND THEIR THERAPEUTIC USE IN THE TREATMENT OF, INTER ALIA, DISEASES OF THE RESPIRATORY TRACT

(51) International classification :C07D471/04,A61K31/437,A61P29/00
(31) Priority Document No :1009731.9
(32) Priority Date :10/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051076
Filing Date :09/06/2011
(87) International Publication No :WO 2011/154738
(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)WOO, Chi-kit
2)VAN NIEL, Monique, Bodil

(57) Abstract :

Compounds of formula (I) are p38 MAPK inhibitors, useful as anti-inflammatory agents in the treatment of, inter alia diseases of the respiratory wherein R1 is a radical of formula (IA) or (IB) or (IC): 10 Y is -O- or -S(0)p wherein p is 0, 1 or 2; A is an optionally substituted cycloalkylene radical having 5, 6 or 7 ring atoms fused to a phenyl ring; and R2, R3b and R4b are as defined in the claims.

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.751/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :06/07/2012

(43) Publication Date : 28/06/2013

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

(51) International classification	:F02M31/125
(31) Priority Document No	:13/183989
(32) Priority Date	:15/07/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)KO-JEN WU
2)RODNEY E. BAKER
3)DARREL J. WALTER

(57) Abstract :

In one exemplary embodiment of the invention, a housing for an internal combustion engine includes a manifold section configured to receive an exhaust gas flow from cylinders of the internal combustion engine and a turbine section, wherein the turbine section and manifold section are a single member. Further, the housing includes a volute chamber within the turbine section configured to direct the exhaust gas flow to a turbine wheel disposed about a turbine axis and a circumferential septum positioned inside the volute chamber to separate two chambers that are substantially nested about the turbine wheel.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.79/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR MONITORING PROPERTIES OF AN AQUEOUS STREAM

(51) International classification :B01D21/00,C02F1/52
(31) Priority Document No :20105813
(32) Priority Date :20/07/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/050667
Filing Date :19/07/2011
(87) International Publication No :WO 2012/010745
(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)JOENSUU, Iiris

2)PIIRONEN, Marjatta

3)SAARI, Eija

4)SIRVIÖ, Jukka-Pekka

5)TUOMIVAARA, Seppo

(57) Abstract :

The invention concerns an online method and system for monitoring properties of an aqueous stream of an industrial process. The method comprises providing an initial aqueous stream originating from said process, the aqueous stream containing solid matter exhibiting a first settling behavior; adding modifying agent to the initial aqueous stream at an addition rate sufficient to provide a modified aqueous stream containing solid matter exhibiting a second settling behavior different from the first settling behavior; conducting a sample of the initial aqueous stream or modified aqueous stream, any combination stream comprising the modified aqueous stream or any substream of the modified aqueous stream batchwise from a sampling point to a settling vessel having a volume; and measuring the settling behavior of the solid matter in the sample locally in the settling vessel as a function of time. The invention can be used for efficient monitoring and, optionally, controlling the degree of agglomeration of pulp and paper or board manufacturing processes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.790/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : YARN WINDER

(51) International classification	:B65H2553/212
(31) Priority Document No	:2011-163356
(32) Priority Date	:26/07/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)YAMAMOTO, MASATO
2)YAMATO, MANABU

(57) Abstract :

A winding device capable of forming two packages P by winding yarns Ya and Yb onto respective two take up tubes 19B supported by a single cradle 20 is provided with two automatic yarn threading devices 24a and 24b. Each of the automatic yarn threading devices 24a and 24b has components such as a suction mouth 51, a yarn moving mechanism 52, a yarn providing arm 53, a yarn supporting arm 54, and a yarn pressing arm 55. The yarn providing arm 53 is swung about a shaft 65 which is in parallel to the axis of the take up tube 19B so as to cause the yarn Ya (Yb) to oppose the take up tube 19B. The yarn pressing arm 55 is swung about a shaft 66 which is in parallel to the shaft 65 so as to cause the yarn Ya (Yb) positioned by the yarn providing arm 53 to closely contact the outer circumference of the take up tube 19B. The yarn supporting arm 54 supports the yarn Ya (Yb) by sandwiching the yarn with the yarn pressing arm 55.

No. of Pages : 65 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.485/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : POLYCYCLIC CARBAMOYLPYRIDONE DERIVATIVE HAVING HIV INTEGRASE INHIBITORY ACTIVITY

(51) International classification :C07D
(31) Priority Document No :2005-131161
(32) Priority Date :28/04/2005
(33) Name of priority country :Japan
(86) International Application No :PCT/US06/016604
Filing Date :28/04/2006
(87) International Publication No :WO/2006/116764
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :3865/KOLNP/2007
Filed on :10/10/2007

(71)Name of Applicant :
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2)KAWASUJI, TAKASHI
3)TAISHI, TERUHIKO
4)TAODA, YOSHIYUKI

(57) Abstract :

The present invention is to provide a novel compound (I) shown below, having the anti-virus activity, particularly the HIV integrase inhibitory activity, and a drug containing the same, particularly an anti-HIV drug, as well as a process and an intermediate thereof. (wherein Z1 is NR4; R1 is hydrogen or lower alkyl; X is a single bond, a hetero atom group selected from O, S, SO, SO2 and NH, or lower alkylene or lower alkenylene in which the hetero atom group may intervene; R2 is optionally substituted aryl; R3 is hydrogen, a halogen, hydroxy, optionally substituted lower alkyl etc; and R4 and Z2 part taken together forms a ring, to form a polycyclic compound, including e.g., a tricyclic or tetracyclic compound.

No. of Pages : 262 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.67/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRICAL COMPONENT

(51) International classification :H01R13/53,H01T4/20,H02B1/20
(31) Priority Document No :2010-133535
(32) Priority Date :11/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/003058
Filing Date :31/05/2011
(87) International Publication No :WO 2011/155153
(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)Kensuke SASAKI
2)Kenta SUZUKI
3)Tadashi KASUYA

(57) Abstract :

A resistant body 13 is provided in a periphery of at least one of the current-carrying members 11 on a surface of the insulator 12. The resistant body 13 distributes a voltage applied to the surface of the insulator 12 between a pair of the current carrying members 11 adjacent to each other, so that a potential difference distributed on the surface of the insulator 12 is set to a discharge starting voltage or less.

No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.785/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : GRATE COOLER FOR A CEMENT CLINKER KILN

(51) International classification	:C04B7/47
(31) Priority Document No	:10 2011
	080 998.8
(32) Priority Date	:16/08/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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NEUSTADT GERMANY

(72)Name of Inventor :

1)JÖRG HAMMERICH

(57) Abstract :

A cooling grate for cooling and transporting of cement clinker having at least one grate element 1 with at least one support 10 for cement clinker, having at least one cooling air channel 20 discharging into the support 10 which is inclined in conveying direction 2 at least in a section 24 adjacent to its outlet used to inject cooling air into the clinker has improved cooling characteristics if the cooling air channel 20 is curved in conveying direction in at least a section adjacent to the outlet.

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

(54) Title of the invention : YARN WINDER, CONNECTION MEMBER, AND YARN WINDING METHOD

(51) International classification	:B65H54/20	(71) Name of Applicant :
(31) Priority Document No	:2011-171934	1)TMT MACHINERY, INC.
(32) Priority Date	:05/08/2011	Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)DEMIZU, YOSHIMITSU
(87) International Publication No	: NA	2)YAMAMOTO, MASATO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A connection member 41 is a substantially cylindrical component. Parts sandwiching the central portion in the axial directions are insertion portions 42, and these two insertion portions 42 are inserted into take up tubes 19B from the leading end sides so that the two take up tubes 19B are connected with each other. Each insertion portion 42 extends from the leading end of the insertion portion 42 along the axial directions of the connection member 41, and has a plurality of slits 46 aligned in the circumferential directions of the connection member 41. With this, the insertion portion 42 is changeable in diameter. Around the part of the connection member 41 between the two insertion portions 42, an O-ring 43 (annular component) made of an elastic material such as rubber is provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.816/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :23/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DENTAL OVEN

(51) International classification	:F27D21/00	(71)Name of Applicant :
(31) Priority Document No	:11 175	1)IVOCLAR VIVADENT AG
(32) Priority Date	:194.7	Address of Applicant :BENDERERSTR. 2 FL-9494
(33) Name of priority country	:25/07/2011	SCHAAN LIECHTENSTEIN
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)JUSSEL RUDOF
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a dental oven comprising a firing chamber for the heat treatment of dental restoration parts. The firing chamber is connected to a negative pressure source via a suction line. A valve arrangement is located between firing chamber and suction line with the aid of which the suction line is closable towards the firing chamber in order to maintain a negative pressure in the firing chamber. The suction line between the valve arrangement and the negative pressure source is ventilatable, in particular via an ambient air connection.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4111/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMMUNICATION SYSTEM , COMMUNICATION METHOD, PROGRAM AND INFORMATION STORAGE MEDIUM

(51) International classification :H04M11/00,H04M3/487,H04W4/02
(31) Priority Document No :2010-152531
(32) Priority Date :02/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064898
Filing Date :29/06/2011
(87) International Publication No :WO 2012/002425
(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)KONNO, SHOHEI
4)HASEKURA ,TOMOHIRO
5)SHICHISAWA,TAKAMASA
6)TSUCHIYA, KEIGO

(57) Abstract :

This invention is directed to allowing a user to realize the existences of other users in the same zone of life without using short range wireless communications. There are included a position coordinate reception unit (80) that acquires positions from a plurality of user terminals; and a neighborhood user delivery unit (94) that, in a case of acquiring a position from a user terminal of interest, selects out of the plurality of user terminals, some user terminals in accordance with that position and with the positions acquired from the plurality of user terminals, and further provides information related to the selected user terminals to the user terminal of interest.

No. of Pages : 46 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4115/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : HIGH ALTITUDE PLATFORM

(51) International classification :B64C 39/02

(31) Priority Document No :1012864.3

(32) Priority Date :30/07/2010

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2011/051109

Filing Date :14/06/2011

(87) International Publication No :WO 2012/013950

(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)DAVIDSON, PETER

2)HUNT, HUGH EDMUND MURRAY

3)BURGOYNE, CHRISTOPHER JOHN

(57) Abstract :

An apparatus for generating electrical energy at altitude, comprising a tether connecting a substantially ground level location part to a platform at an elevated location, the tether comprising a conduit coupled to an electrical generator at the platform, the conduit arranged to allow the flow of a fuel fluid from the substantially ground level location to the elevated location, and the electrical generator being operable to convert energy in the fuel fluid to electrical energy at the elevated location.

No. of Pages : 50 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4118/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POLYSILANES OF MEDIUM CHAIN LENGTH AND A METHOD FOR THE PRODUCTION OF SAME

(51) International classification :C01B33/08,C01B33/107
(31) Priority Document No :10 2010 025 948.9
(32) Priority Date :02/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/061258
Filing Date :04/07/2011
(87) International Publication No :WO 2012/001180
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
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2)CHRISTIAN BAUCH
3)RUMEN DELTSCHIEW
4)SVEN HOLL
5)JAVAD MOHSSENI

(57) Abstract :

The invention relates to polysilanes of medium chain length as pure compounds or a mixture of compounds, each with at least one direct Si-Si bond, the substituents of said polysilanes consisting exclusively of halogen and/or hydrogen, the medium chain length n thereof being greater than 3 and smaller than 50 preferably greater than 3 and smaller than 9 and particularly preferred being greater than 3 and smaller than 7, and the atomic ratio of substituent:silicon in the composition thereof being at least 1:1. The invention also relates to a method for the production of same.

No. of Pages : 23 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4119/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : STORAGE MATERIAL AND METHOD FOR OBTAINING H- SILANES THEREFROM

(51) International classification :C01B33/04
(31) Priority Document No :10 2010 025 710.9
(32) Priority Date :30/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/003232
Filing Date :30/06/2011
(87) International Publication No :WO 2012/000673
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)JAVAD MOHSSENI

(57) Abstract :

The invention relates to a storage material for obtaining H silanes which is present in the form of a hydrogenated polysilane (HPS), as a pure compound or as a mixture of compounds having on average at least six direct Si-Si bonds, the substituents of which predominantly consist of hydrogen and in the composition of which the atomic ratio of substituent to silicon is at least 1:1. The invention further relates to a method of obtaining H silanes from a storage material of this nature.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.828/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FIBER OPTIC MECHANICAL SPLICER

(51) International classification	:G02B6/25
(31) Priority Document No	:PCT/KR2011/009148
(32) Priority Date	:29/11/2011
(33) Name of priority country	:Republic of Korea
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CHOI, An Joon

(57) Abstract :

A fiber optic mechanical splicer includes: a fiber connection base including a plurality of insertion parts, fiber connection parts, and auxiliary protuberances, the insertion parts being formed at lengthwise opposite sides of the fiber connection base, each of the insertion parts having an insertion hole through which an optical cable is inserted, the fiber connection parts being formed between and integrally with the insertion parts, the fiber connection parts having a connection groove formed at a central portion of the fiber connection parts and extending in a lengthwise direction of the fiber connection parts and insertion grooves formed at opposite ends of the connection groove, each of the insertion grooves being narrower in a downward direction, each of the auxiliary protuberance protruding upward from edges of the fiber connection parts; a base cover assembled with the fiber connection base while covering the fiber connection parts, the base cover being supported by the auxiliary protuberances; and one or more fastening clamps elastically fitted around the fiber connection base and the base cover through sliding in a state in which the fastening clamps are opposed to each other, the fastening clamps fixedly holding the fiber connection base and the base cover with each other while pressing the optical fiber seated in the connection groove.

No. of Pages : 18 No. of Claims : 4

(54) Title of the invention : CHARACTERIZATION OF NIMBIDIOL AS AN ALPHA-GLUCOSIDASE INHIBITOR PRESENT IN AZADIRACHTA INDICA, USEFUL FOR NON-INSULIN DEPENDENT DIABETES TREATMENT

(51) International classification	:A61K 36/185	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SENGUPTA SUBHABRATA
(32) Priority Date	:NA	Address of Applicant :HERITAGE INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY, CHOWBAGA ROAD, ANANDAPUR, P.O:
(86) International Application No	:NA	EAST KOLKATA TOWNSHIP, KOLKATA-700107 WEST
Filing Date	:NA	BENGAL INDIA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SENGUPTA SUBHABRATA
Filing Date	:NA	2)MUKHERJEE ABHISHEK
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a process for characterization of an alpha glucosidase inhibitor comprising nimbidiol, preferably obtained from the bark and root of Azadirachta indica, useful for non-insulin dependent diabetes treatment. The inhibitor obtained by the said process, inhibits (in a mixed fashion) the hydrolyzing activities of maltase and sucrase of intestinal and microbial origin. The IC₅₀ value for the said alpha glucosidase inhibitor comprising nimbidiol is between 12-15 μ M (Rat intestinal maltase), 7-9 μ M (Rat intestinal sucrase), 18-20 μ M [Fungal maltase (Aspergillus niger)] and 10-12 μ M [sucrase (Baker's yeast)]. Nimbidiol appeared to inhibit intestinal and fungal alpha glucosidases in a mixed competitive mode. K_i values are in the range of: 1.22 \pm 0.344 μ M (Rat intestinal maltase); 0.7 \pm 0.12 μ M (Rat intestinal sucrase); 1.8 \pm 0.20 μ M [Fungal maltase (Aspergillus niger)] and 1.068 \pm 0.080 μ M [sucrase (Baker's yeast)]. K_i' values are in the range of: 3.65 \pm 0.48 μ M (Rat intestinal maltase); 1.22 \pm 0.65 μ M (Rat intestinal sucrase); 4.25 \pm 0.54 μ M [Fungal maltase (Aspergillus niger)] and 2.43 \pm 0.78 μ M [sucrase (Baker's yeast)]. Nimbidiol characterized as alpha amylase inhibitor can be used as lead molecule for the development of chemically modified nimbidiol or structural analogue of nimbidiol as more effective alpha glucosidase inhibitor useful for the treatment of non-insulin dependent diabetes.

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

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF A NOVEL DISACCHARIDASE ENZYME COMPOSITION FROM THE PLANT TINOSPORA CORDIFOLIA USEFUL FOR DISACCHARIDE INTOLERANCE THERAPY

(51) International classification	:A61K 38/43	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SENGUPTA SUBHABRATA
(32) Priority Date	:NA	Address of Applicant :HERITAGE INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY, CHOWBAGA ROAD, ANANDAPUR, P.O:
(86) International Application No	:NA	EAST KOLKATA TOWNSHIP, KOLKATA-700107 WEST
Filing Date	:NA	BENGAL INDIA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SENGUPTA SUBHABRATA
Filing Date	:NA	2)MUKHERJEE ABHISHEK
(62) Divisional to Application Number	:NA	3)SENGUPTA SUBHASREE
Filing Date	:NA	

(57) Abstract :

The present invention particularly relates to a process for the preparation of a novel disaccharidase enzyme composition from a plant source *Tinospora cordifolia* Miers belonging to Menispermaceae family of plants, which contains disaccharidase activities like maltase, isomaltase, sucrase, aryl- α -glucosidase, methyl- α -glucosidase, trehalase, cellobiase and lactase, trisaccharidases activities like raffinase, melezitase activities and which also hydrolyzes starch, amylopectin, glycogen, dextran, nigeran in the pH range of 2.0 - 6.0 at a temperature range of 25-60 °C. It provides a process for the preparation of a novel disaccharidase enzyme composition along with glucan hydrolase activities which is useful for the treatment of disaccharide intolerance therapy. The process includes blending of chopped stem pieces of *Tinospora codifolia* in an aqueous medium at a pH of 4.5 to 7.0 and a temperature between 0° - 50 °C, separating the aqueous phase by a known process of filtration, removing gum at low concentration of ethyl alcohol of 10-15 % (v/v), concentrating the crude extract by ultra filtration (using PM-10 membrane) and finally lyophilizing it to obtain dry enzyme powder. An Example describes (Units / gm of dry solid enzyme preparation): Soluble starch hydrolyzing activity: 28, 500, Amylopectin hydrolyzing activity: 27, 000, Glycogen hydrolyzing activity: 14,000,Dextrin hydrolyzing activity:23,000,Dextran(soluble)hydrolyzing activity:5000,Raw gelatinized starch (potato) hydrolyzing activity:2750,Raw ungelatinized starch (wheat flour) hydrolyzing activity:2,700,Raw ungelatinized starch (corn flour) hydrolyzing activity :1,600,Sucrase:2800,Maltase:1,360,Isomaltase:650 Lactase:1,300,B-glucosidase :,350,Alpha glucosidase: 1,2001-o-methylalphD glucosidase: 1,100,Raffinase:800,Melezitase:400, Trehalase: 125, Cellobiase: 120, Nigeranase: 1600, Inulin: 140 The concentrated liquid enzyme sample was stable upto 6 months at 4 °C and upto 10-12 months at room temperature in presence of a reducing agent like cysteine or ascorbic acid. The polysaccharidases are stable at a pH range of 3 -7.5 with optimal activity at pH 5-6. The disaccharidases are stable at a pH range of 2-7 with optimal activity at pH 3 - 5.5. A number of advantages (Ten) indicated over the use of the plant enzymes over microbial enzymes to be used as replacement therapy for the treatment of different diseases on disaccharidase insufficiency. Total ten claims on the process have been proposed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.732/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FRONT BUMPER STRUCTURE

(51) International classification	:B60R19/483	(71)Name of Applicant :
(31) Priority Document No	:2011-148558	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:04/07/2011	Address of Applicant :300 TAKATSUKA-CHO MINAMI-KU, HAMAMATSU SHIZUOKA 432-8611 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)TANAKA HIROKAZU
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 front bumper structure that can be precisely attached is provided. A front bumper structure 100 includes a bumper fascia 102 including head lamp adjacent parts 104a, 104b adjacent to head lamp 106a, 106b, respectively, along the edges of the lamps, a structural member 112 to which the bumper fascia 102 is attached, and a hood latch member 114 that is installed near the center of the structural member 112 in the vehicle width direction. The bumper fascia includes a latch avoiding part 116 formed near the center in the vehicle width direction so as to be curved or notched to avoid the hood latch member 114, bearing surface parts 120a, 120b extending toward the back of a vehicle between the latch avoiding part 116 and the head lamp adjacent parts, and a protruding part 122 that protrudes from a bearing surface part 120a, and the structural member 112 includes an insertion hole 126a into which the protruding part 122 is inserted.

No. of Pages : 23 No. of Claims : 6

(54) Title of the invention : METHOD AND MACHINING INSTALLATION FOR THE FINISHING OF A CRANKSHAFT BEARING BORE

(51) International classification	:B23P23/02	(71)Name of Applicant :
(31) Priority Document No	:102011079900.1	1)NAGEL MASCHINEN-UND WERK ZEUGFABRIK GMBH
(32) Priority Date	:27/07/2011	Address of Applicant :OBERBOIHINGERSTRASSE 60
(33) Name of priority country	:Germany	72622 NUERTINGEN, GERMANY
(86) International Application No	:NA	2)GROB-WERKE GMBH & CO.KG
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)BERND NAGEL
(61) Patent of Addition to Application Number	:NA	2)MARTIN MAYER
Filing Date	:NA	3)GERMAN WANKMILLER
(62) Divisional to Application Number	:NA	4)GEORG WASSERMANN
Filing Date	:NA	

(57) Abstract :

In a method for the finishing of a crankshaft bearing bore in a cylinder crankcase of an internal combustion engine, it is provided that, starting from a prepared crankshaft bearing bore, a finished crankshaft bearing bore is produced with a prescribable desired size, a prescribable desired structure of the bore inner surface and a prescribable desired position of the bore axis. For this purpose, the prepared crankshaft bearing bore is first finished with at least one finishing tool with a geometrically defined cutting edge and then the honing of the crankshaft bearing bore is carried out. The method is characterized in that, in a final finishing operation with a geometrically defined cutting edge immediately preceding the honing, an allowance of at least 0.4 mm is removed, and in that the honing tool is introduced into the bore coaxially in relation to the desired position of the bore axis and moved within the bore, an allowance of at least 0.08 mm being removed during the honing. The method makes it possible for crankshaft bearing bores to be finished more cost-effectively than previously while maintaining highest requirements for the machining precision.

No. of Pages : 63 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.842/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : ELECTRIC BREAST MILK PUMP

(51) International classification	:B25B
(31) Priority Document No	:11 010
	131.8
(32) Priority Date	:21/12/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MAPA GMBH

Address of Applicant :INDUSTRIESTR. 21-25 27404

ZEVEN GERMANY

(72)Name of Inventor :

1)JÄGER-WALDAU, REINHOLD

(57) Abstract :

Electric breast milk pump with: an electric motor, a pump driven by an electric motor, a suction cup, an electrically activated first three-way valve in a suction line, an electrically activated second three-way valve in a pressure line, an electronic control system, which sets the electric motor into an operating mode or an idle mode depending on an activation of means for switching on and off, wherein in the operating mode, it operates the electric motor and the electrically activated first and second three-way valves in cycles, which comprise a suction phase, in which the electric motor is switched on, the inlet of the pump is connected to the suction cup via the first three-way valve and a floater valve, and the outlet of the pump is connected to the surroundings via the second three-way valve and which further comprise a pressure phase, in which the electric motor is switched on, the inlet of the pump and the first three-way valve is connected to the surroundings, and the outlet of the pump to the suction cup via the second three-way valve.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.733/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LATCH DEVICE FOR VEHICLE

(51) International classification	:E05C19/12	(71)Name of Applicant :
(31) Priority Document No	:2011-148401	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:04/07/2011	Address of Applicant :300 TAKATSUKA-CHO MINAMI-KU, HAMAMATSU SHIZUOKA 432-8611 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)MATSUKI MONTONORI
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 latch device for vehicle that can eliminate adhesion between a movable contact point and a fixed contact point of a switch resulting from freezing or the like is provided without resulting in reduced durability or an increased cost. The latch device for vehicle according to the present invention is configured to include a first hook 120, a second hook 130, a secondary lever 150, and a switch that detects latching in accordance with the contact of a movable contact point (a leaf lever 174) with a fixed contact point 172, the movable contact point is an elastically deformable metal leaf supported in a cantilever state, and the secondary lever 150 has a protruding part 156 that hits the open end side of the movable contact point by rotating in the direction opposite the biased direction when a striker is detached, and separates the movable contact point from the fixed contact point 172.

No. of Pages : 29 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.803/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : LASER BEAM WELDING METHOD AND MOLDED COMPONENTS FABRICATED THEREBY

(51) International classification	:B32B7/04	(71)Name of Applicant :
(31) Priority Document No	:11 174	1)EMS-PATENT AG
(32) Priority Date	:853.9	Address of Applicant :VIA INNOVATIVA 1 7013
(33) Name of priority country	:21/07/2011	DOMAT/EMS SWITZERLAND
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)BUTZKE, JENS
(87) International Publication No	:NA	2)WÜRTHNER, STEFAN
(61) Patent of Addition to Application Number	:NA	3)LAMBERTS, NIKOLAI
Filing Date	:NA	4)DÜBON, PIERRE
(62) Divisional to Application Number	:NA	5)BERTRAM, SABINE
Filing Date	:NA	6)CAVIEZEL, HEINZ

(57) Abstract :

The described invention relates to a method for laser welding two plastic components (A, B) brought into contact at least in the joining area, wherein the component (B) facing away from the laser radiation consists of a plastic matrix with a white pigmentation of at least 1.5 percent by weight, and at most 20 percent by weight, and wherein the component (A) facing the laser radiation, through which the laser beam passes in the welding process, exhibits a plastic matrix. A laser wavelength ranging from 1200 to 2200 nm is here used for welding, and the process is executed subject to the following two provisos: (1) The travel distance (1) of the laser beam through the component (A) facing the laser radiation measures at most 10 mm, regardless of whether the latter is pigmented or unpigmented, and (2) Given a white pigmentation of the component (A) facing the laser radiation expressed in percent by weight, the product of the travel distance (1) of the laser beam through the component (A) facing the laser radiation in mm and white pigmentation in percent by weight is less than 1.25, and that the travel distance (1) of the laser beam through the component (A) facing the laser radiation measures at most 1 mm. Furthermore, the present invention relates to components with a welded seam manufactured in this way.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.805/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : DOUBLE-SIDED FLIP CHIP PACKAGE

(51) International classification	:H01L25/10	(71)Name of Applicant :
(31) Priority Document No	:13/188,287	1)APPLE INC.
(32) Priority Date	:21/07/2011	Address of Applicant :1 INFINITE LOOP, CUPERTINO, CA
(33) Name of priority country	:U.S.A.	95014 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ZHAI JUN
(87) International Publication No	: NA	2)VON KAENEL VINCENT R.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Semiconductor device modules having two or more integrated circuit dies mounted on opposing sides of a substrate. The integrated circuit dies are mounted by use of surface mount connections, such as flip chip connections implemented using conductive bumps. Systems may include one or more of the present semiconductor device modules, and in some cases may also include other modules, such as a system module.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.841/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : LOCKING SYSTEM OF A STATION, IN PARTICULAR A DOOR STATION, OF A HOUSE COMMUNICATION SYSTEM

(51) International classification	:G07C9/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)ABB AG
(32) Priority Date	108 926.1	Address of Applicant :KALLSTADTER STR. 1, 68309
(33) Name of priority country	:27/07/2011	MANNHEIM, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)MICHAEL WIESE
(87) International Publication No	:NA	2)ORTWIN SCHRAGE
(61) Patent of Addition to Application Number	:NA	3)RICHARD LERKE
Filing Date	:NA	4)WERNER LISSON
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A locking system of a station (1), in particular a door station, of a house communication system is proposed, wherein the station comprises a front plate that is subdivided into a main front plate (4) and an end front plate (26) and a gap (5) is embodied between the main front plate (4) and the end front plate (26), wherein the main front plate (4) is fixedly connected to a device insert (3) and a closure module (12), wherein the end front plate (26) is fixedly connected to an end strip (20) that comprises a locking part (21), wherein for the purpose of releasably fastening the end strip (20) to the station (1) a hooking arrangement is engaged, in which latching hooks (23) of the locking part (21) of the end strip (20) engage over latching edges of insertion inclines (18) of the closure module (12) and wherein for the purpose of removing the end strip (20) from the station (1) a removal tool (31) engages in the gap (5), by means of which removal tool the end strip (20) can be displaced along the gap (5) transversely in such a manner that the hooking arrangement is released.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3970/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : A METHOD FOR DEGUMMING AN OIL

<p>(51) International classification :C11C1/00 (31) Priority Document No :10/796,907 (32) Priority Date :08/03/2004 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2005/007908 Filing Date :08/03/2005 (87) International Publication No :WO/2005/086900 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :2893/KOLNP/2006 Filed on :10/06/2006</p>		<p>(71)Name of Applicant : 1)VERENIUM CORPORATION Address of Applicant :4955 DIRECTORS PLACE, SAN DIEGO, CALIFORNIA 92121, UNITED STATES OF AMERICA (72)Name of Inventor : 1)GRAMATIKOVA, SVETLANA 2)HAZLEWOOD, GEOFF 3)LAM, DAVID 4)BARTON, NELSON R. 5)STURGIS, BLAKE G. 6)ROBERTSON, DAN E. 7)LI, JINCAI 8)KREPS, JOEL A. 9)FIELDING, RODERICK 10)BROWN, ROBERT C. 11)VASAVADA, AMIT 12)TAN, XUQIU 13)BADILLO, ADRIAN 14)VAN HOEK, WILHELMUS P. 15)JANSSEN, GISELLE 16)ISAAC, CHARLES 17)BURK, MARK J.</p>
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(57) Abstract :

The invention provides novel polypeptides having phospholipase activity, including, e.g., phospholipase A, B, C and D activity, patatin activity, phosphatidic acid phosphatases (PAP)) and/or lipid acyl hydrolase (LAH) activity, nucleic acids encoding them and antibodies that bind to them. Industrial methods, e.g., oil degumming, and products comprising use of these phospholipases are also provided.

No. of Pages : 439 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.74/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : LOW LEAKAGE RATE COMPOSITE GASKET

(51) International classification	:F16J15/10,F16J15/12	(71)Name of Applicant :
(31) Priority Document No	:NA	1)W. L. GORE & ASSOCIATES GMBH
(32) Priority Date	:NA	Address of Applicant :Hermann-Oberth-Strasse 22, 85640
(33) Name of priority country	:NA	Putzbrunn GERMANY
(86) International Application No	:PCT/EP2010/064585	(72)Name of Inventor :
Filing Date	:30/09/2010	1)SCHOLZ, Hermann
(87) International Publication No	:WO 2012/041381	
(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 gasket (1) comprising a first discrete component and a second discrete component, wherein the first and second components (20) extend along the length of the gasket (1). The second component (20) is arranged relative to the first component (10) so as to separate the first component (10) at least from one of the two sealing surfaces (2, 4). The first component (10) is relatively hard in at least the thickness direction of the gasket (1) and preferably incompressible and the second component (20) is relatively soft in at least the thickness direction of the gasket (1) and compressible. When the gasket is compressed between two flanges (101, 102), there is a limited region of high compression, because the first component (10) increases the pressure by which the second component (20) is compressed between the surfaces of the flanges. This yields a high leak tightness of the sealing at a relatively low force.

No. of Pages : 89 No. of Claims : 75

(12) PATENT APPLICATION PUBLICATION

(21) Application No.742/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND STRADDLE-TYPE VEHICLE EQUIPPED WITH THE ENGINE

(51) International classification

:G01L23/22

(31) Priority Document No

:2011-

158622

(32) Priority Date

:20/07/2011

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

Address of Applicant :2500 SHINGAI, IWATA-SHI,
SHIZUOKA-KEN 438-8501, JAPAN

(72)Name of Inventor :

1)AKITOSHI NAKAJIMA

2)TOSHINORI INOMORI

(57) Abstract :

In a single-cylinder internal combustion engine fitted with a knock sensor, the temperature rise of the knock sensor is suppressed, the reliability of the knock sensor is improved. An engine (10) has a crank case (11) accommodating a crankshaft (17), a cylinder block (12) connected to the crank case (11) and having a cylinder (15) formed therein, a cylinder head (13) connected to the cylinder block (12), a sensor mounting boss (40) formed on the crank block (12), a knock sensor for detecting knocking, mounted to the boss (40), a fan for guiding air to at least the boss (40), and an air shroud (30).

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.78/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR TREATING AQUEOUS STREAMS

(51) International classification :B01D21/00,C02F1/52
(31) Priority Document No :20105814
(32) Priority Date :20/07/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/050666
Filing Date :19/07/2011
(87) International Publication No :WO 2012/010744
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)KEMIRA OYJ

Address of Applicant :Porkkalankatu 3, FI-00180 Helsinki,
FINLAND

(72)Name of Inventor :

1)JANSSON, Kaj

2)JOENSUU, Iiris

3)PIIRONEN, Marjatta

4)SIRVIÖ, Jukka-Pekka

5)YRJÄNÄINEN, Tapio

(57) Abstract :

The invention relates to a method and system for treating an aqueous stream having a first flow rate and containing solid matter exhibiting first settling properties,the method comprising adding a modifying agent to the aqueous stream at an addition rate sufficient to change the first settling properties of the aqueous stream to obtain a modified aqueous stream having solid matter exhibiting second settling properties different from the first settling properties; taking batchwise samples of the modified aqueous stream to a settling vessel having a volume;determining a settling property of the solid matter of the samples in the settling vessel; and conducting the modified aqueous stream to a separation unit in which solid matter is separated from the modified aqueous stream. The invention provides a convenient way of monitoring and/or controlling aqueous streams conducted for example to purification processes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.846/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TROUGH FIXING

(51) International classification

:B65G27/00

(31) Priority Document No

:10 2011

108 615.7

(32) Priority Date

:27/07/2011

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)HUBERT, HERGETH

Address of Applicant :CHAMERSTR. 47 6300 ZUG

SWITZERLAND

(72)Name of Inventor :

1)HUBERT, HERGETH

(57) Abstract :

A device for fixing troughs in opening machines or carding machines for fibres. A replaceable element allows the fixing in different positions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.847/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CHANGING THE CARDING ELEMENT

(51) International classification	:D01G15/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)HUBERT, HERGETH
(32) Priority Date	108 616.5	Address of Applicant :CHAMERSTR. 47 6300 ZUG
(33) Name of priority country	:27/07/2011	SWITZERLAND
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)HUBERT, HERGETH
(87) 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 method and device for easily changing carding elements in carriers. The carding elements are pressed into the holder by means of spring tension and in the card may be pulled out sideways.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.720/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CHAIN CASE,AND A TWO-WHEELED MOTOR VEHICLE HAVING THE SAME

(51) International classification	:B62J13/04	(71)Name of Applicant :
(31) Priority Document No	:JP2011-153802	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:12/07/2011	Address of Applicant :2500 SHINGAI,IWATA-SHI,
(33) Name of priority country	:Japan	SHIZUOKA -KEN,438-8501, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)YASUNARI KOBAYASHI
(87) International Publication No	: NA	2)TOMOKAZU OGATA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A chain case for covering a chain which transmits power of a two-wheeled motor vehicle to a rear wheel, the chain case being attached to a swing arm supported by a pivot to be swingable relative to a frame. The chain case includes an inner chain case attached inwardly, in a transverse direction of the vehicle, of a chain-side one, located on a driven sprocket side of the rear wheel, of a left arm portion and a right arm portion of the swing arm, the inner chain case having a front cutout formed in a front portion thereof for attachment to a cross member connecting the left arm portion and the right arm portion in a position adjacent the pivot, a rear cutout formed by cutting away a lower and rearward portion corresponding to a region of the swing arm where the rear wheel is attached, and a rear plate attached to the rear cutout; and an outer chain case attached to the inner chain case from outside in the transverse direction of the vehicle to cover the chain.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.721/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DETERMINATION METHOD FOR RELATIVE MOVEMENT-DEPENDENT WEAR OF A ROLLER

(51) International classification	:G01M17/0072	(71)Name of Applicant :
(31) Priority Document No	:EP11175028.7	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:22/07/2011	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:EPO	MÜNCHEN, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)JOHANNES DAGNER
(87) 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 :

During rolling of a rolling stock (2) in a rolling stand (1), process variables (P) describing the rolling process are accepted. A wear (d) of a roller (3) of the rolling stand (1) is determined in real-time with the aid of the process variables (P) in conjunction with rolling stand variables (W2) describing the rolling stand (1) and the rolling stock variables (W1) describing the rolling stock. The determined wear (d) includes a relative movement-dependent wear part (dA) for rolling segments (16) of the rolling stock (2). For the rolling stock segments (16), a sliding zone (13) is determined with the aid of the process variables (P) in conjunction with the rolling stand variables (W2) describing the rolling stand (1) and rolling stock variables (W1) describing the rolling stock, within which sliding zone the rolling stock (2) slides on the rolling surface by a relative movement to the roller (3). The respective relative movement-dependent wear part (dA) is determined by taking the length (L) of the respective sliding zone (13) into account.

No. of Pages : 40 No. of Claims : 16

(54) Title of the invention : CONTROL DEVICE FOR CONTROLLING THE ANGULAR SETTING OR ROTOR BLADE OF A WIND POWER PLANT AND WIND POWER PLANT

(51) International classification	:F03D7/02	(71)Name of Applicant :
(31) Priority Document No	:102011079939.7	1)KARL E. BRINKMANN GMBH
(32) Priority Date	:27/07/2011	Address of Applicant :FOERSTERWEG 36-38, 32683
(33) Name of priority country	:Germany	BARNTRUP GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ANDRE KOEHNKE
(87) International Publication No	: NA	2)RUVEN SCHAEFERFRANZ
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A control device that is implemented to control an angular setting of a rotor blade of a wind power plant includes a drive motor including first and second windings that are galvanically isolated from one another, wherein the drive motor can be driven by both or only one of the first and second windings to change an angular setting of the rotor blade relative to the hub on which the rotor blade is mounted. A first pitch means comprising a first frequency converter and a first emergency power supply is implemented to provide the first winding with drive signals. A second pitch means that comprises a second frequency converter and a second emergency power supply is implemented to provide a second winding with drive signals. A wind power plant includes a respective control means for each of a plurality of rotor blades mounted on a hub. The two pitch means provide a redundant system allowing control of the angular setting of a rotor blade of a wind power plant even when one of the two pitch means for the drive motor has failed.

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

(54) Title of the invention : APPARATUS FOR CORRECTING MEANDERING OF CONTINUOUS SHEET FOR ABSORBENT PRODUCT

(51) International classification :B65H23/038,A61F13/15,A61F13/49
 (31) Priority Document No :2010-168363
 (32) Priority Date :27/07/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/066396
 Filing Date :20/07/2011
 (87) International Publication No :WO 2012/014733
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)UNI-CHARM CORPORATION
 Address of Applicant :182, Kinseichoshimobun, Shikokuchuo-shi, Ehime 799-0111 JAPAN
 (72)Name of Inventor :
1)NAKANO, Takumi

(57) Abstract :

Disclosed is an apparatus for correcting meandering, which comprises: a sensor (30) for detecting the position of an edge of a continuous sheet (3) in the width direction of the sheet (3); and a meandering connection section (50) for correcting meandering of the sheet (3) on the basis of a signal from the sensor (30). A detection section (33) of the sensor (30) is moved by a motor (44) to a stop position (PS, PM, PL) corresponding to the width-direction dimension of the sheet (3). For the purpose of this movement, the detection section (33) is first moved to a reference position (P0). At this position, a sensor head (31) abuts against a bearing member (45b), the load of the motor (44) increases, and the drive current of the motor (44) exceeds a threshold value (Id0). The motor (44) is reversely driven when this excess is detected. If a rotary encoder (47) connected to the motor (44) generates a suitable number of pulses, the detection section (33) reaches the stop position (PS, PM, PL). At this time, the motor (44) is stopped.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.666/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : EXPLOSIVE CONTAINING DETONATING DEVICE

(51) International classification	:C06B21/00	(71)Name of Applicant :
(31) Priority Document No	:11004935.0	1)POLY-CLIP SYSTEM GMBH & CO.KG.
(32) Priority Date	:16/06/2011	Address of Applicant :NIEDECKERSTRASSE 1, 85795
(33) Name of priority country	:EPO	HATTERSHEIM, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)JÜRGEN HANTEN
(87) 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 concerns a portioning and packing device as well as a process for the production of explosives (W) containing detonating devices (S). The portioning and packing device contains a conveyor (10) for the explosive, which exhibits a pump for the generation of a volume flow; a filling pipe (20, 120) connected to the conveyor (10), which is set up to provide a reserve supply of a tubular packing sleeve (V). At the same time, the tubular packing sleeve (V) can be pulled off the filling pipe (20, 120) with the explosive ejected through the filling pipe (20, 120). A closing device located downstream of the filling pipe (20, 120) is set up to constrict the filled packing sleeve (V) locally to a hose plait (Z) during the filling process and close around the hose plait (Z) with at least one means of closure (C1, C2). The filling pipe (20, 120) further exhibits a means of introduction (40, 140), which is set up to introduce a detonating device (S) into the explosive (W).

No. of Pages : 20 No. of Claims : 21

(54) Title of the invention : VEHICLE REAR STRUCTURE

(51) International classification	:B62D35/02	(71)Name of Applicant :
(31) Priority Document No	:2011-145153	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:30/06/2011	Address of Applicant :300 TAKATSUKA-CHO MINAMI-KU, HAMAMATSU SHIZUOKA 432-8611 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)TAKENAKA SHO
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 vehicle rear structure is provided that can efficiently transmit input loads, and ensure sufficient durability against any input load that may be repeatedly applied in normal usage during the life cycle of a vehicle. A representative configuration of a vehicle rear structure according to the present invention is a vehicle rear structure for supporting, at the rear of a vehicle, an opening and closing body that can be opened and closed, including: a back panel disposed in an area extending from a lower end of the opening and closing body to the bottom of the vehicle; and a striker bracket provided substantially at the center in the width direction of the vehicle on a vehicle front-side of the back panel and extending from the vicinity of an upper end of the back panel to the vicinity of a lower end thereof, wherein, in a cross section as viewed from the side of the vehicle, the respective upper ends and lower ends of the back panel and the striker bracket are coupled together, and a gap is formed between the back panel and the striker bracket.

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.776/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :13/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS FOR ASSEMBLING BY PRESSING ONE ANOTHER AT LEAST TWO PORTIONS OF A FOOTWEAR

(51) International classification	:A43D3/027
(31) Priority Document No	:MI2011A001397
(32) Priority Date	:26/07/2011
(33) Name of priority country	:Italy
(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)COTTINO, FRANCESCO
Address of Applicant :BOULEVARD LOUIS II N.15 98000
MONACO Italy
(72)**Name of Inventor :**
1)DI BELLA, CALOGERO

(57) Abstract :

Apparatus (1) for assembling by pressing one another at least two portions (2, 3) of a footgear, of the type comprising at least one fluid-tight chamber (4) in which at least one elastically deformable membrane (5) is arranged, which divides the afore said at least one fluid-tight chamber (4) in at least two fluid-tight semi-chambers (9, 10), at least one base (12) for the footgear being in progress placed in one (10) of such semi-chambers (9, 10), as well as means (17), operating by fluid inflow or fluid suction within the fluid-tight chamber, to deform and push the membrane (5) towards the base (12) for the footgear being in progress. Advantageously the base (12) for the footgear comprises at least one rest body (13, 14) for at least one portion of the footgear being in progress, which is at least partially elastically deformable.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.862/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD OF APPLYING VARNISH TO A STATOR

(51) International classification	:B05D5/12
(31) Priority Document No	:13/275513
(32) Priority Date	:18/10/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GM GLOBAL TECHNOLOGY OPERATIONS LLC

Address of Applicant :300 GM RENAISSANCE CENTER,
DETROIT, MICHIGAN 48265-3000, UNITED STATES OF
AMERICA

(72)Name of Inventor :

1)EDWARD L. KAISER

2)MICAH JOEL FUCHS

3)DAVID F TITMUSS

4)JUSTIN HANSON

(57) Abstract :

A method of applying varnish to a stator includes orienting a center axis of the stator substantially parallel to gravity, and orienting a crown end of stator windings upward and a weld end of the windings downward, relative to gravity. The crown end and the weld end of the stator are disposed on opposing sides of the core. The weld end is placed above a dip tank and varnish applied to the crown end of the windings with at least one nozzle. The nozzle is controlled along a first direction and a second direction, which are perpendicular to the center axis. The varnish substantially coats the crown end of the windings, runs through the slots, and drips from the weld end of the windings into the dip tank. The dip tank is raised to submerge the weld end of the windings but not the core.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.794/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :18/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTACT DEVICE AND ELECTROMAGNETIC RELAY INCLUDING SAME

(51) International classification	:H01H1/28
(31) Priority Document No	:2011-164192
(32) Priority Date	:27/07/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)PANASONIC CORPORATION
Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501, JAPAN
(72)**Name of Inventor :**
1)AKIHIRO OKUDA

(57) Abstract :

A contact device includes a contact point retainer configured to hold a movable contact point in one end portion thereof. The contact point retainer includes a plurality of contact point retaining springs superimposed in a thickness direction and formed of leaf springs and a housing configured to fix the other end portion of the contact point retainer and hold a fixed contact point in a position where the movable contact point can come into contact with or out of contact with the fixed contact point in response to elastic deformation of the contact point retainer. Each of the contact point retaining springs includes a bulging portion swelling away in a direction parallel or substantially parallel to a direction from the movable contact point and toward the fixed contact point.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.795/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :18/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : WATER DISCHARGE DEVICE

(51) International classification	:G01S13/88	(71)Name of Applicant :
(31) Priority Document No	:2011-164684	1)TOTO LTD
(32) Priority Date	:27/07/2011	Address of Applicant :1-1, NAKASHIMA 2-CHOME
(33) Name of priority country	:Japan	KOKURAKITA-KU, KITAKYUSHU-SHI, FUKUOKA, 802-8601, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HIROSHI HASHIMOTO
(87) International Publication No	: NA	2)MINORU SATO
(61) Patent of Addition to Application Number	:NA	3)SHUHEI HAYATA
Filing Date	:NA	4)AKIHIRO UEMURA
(62) Divisional to Application Number	:NA	5)YUKIHIRO KOZONO
Filing Date	:NA	

(57) Abstract :

A water discharge device generates a large air bubble having a cross sectional area larger than a channel sectional area of a jetting port when the inside of a water storage chamber is viewed from the jetting port.The water discharge device intermittently forms the large air bubble to change a flow speed of a jet flow.

No. of Pages : 122 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.827/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TONER, DEVELOPER AND METHOD FOR PRODUCING TONER

(51) International classification	:G03G9/087	(71)Name of Applicant :
(31) Priority Document No	:2011-163019	1)RICOH COMPANY, LTD
(32) Priority Date	:26/07/2011	Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
(33) Name of priority country	:Japan	OHTA-KU, TOKYO JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NOZAKI TSUYOSHI
(87) International Publication No	: NA	2)MIKI TOMOHARU
(61) Patent of Addition to Application Number	:NA	3)FUKAO TOMOHIRO
Filing Date	:NA	4)FUWA KAZUOKI
(62) Divisional to Application Number	:NA	5)ISHIKAWA YOSHIMICHI
Filing Date	:NA	6)MIKURIYA YOSHIHIRO
		7)KADOTA TAKUYA

(57) Abstract :

A toner including: a core particle; and fine resin particles, the core particle containing at least a binder resin, a releasing agent and a colorant, wherein the toner is in shape of particles, and each toner particle has a sea-island structure having the core particle and island portions, which are convex portions formed from the fine resin particles on surface of the core particle, wherein the binder resin contains first and second resins, and the fine resin particles are made of third resin, wherein the first resin is crystalline resin, and the second and third resins are non crystalline resin, wherein the second resin has glass transition temperature (Tg2) and the crystalline resin has melting point (Tc1) where Tg2 is higher than Tc1, and wherein the third resin has glass transition temperature (Tg3) and the toner has glass transition temperature (Tgt) wherein Tg3 is higher than Tgt.

No. of Pages : 109 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.851/KOL/2010 A

(19) INDIA

(22) Date of filing of Application :02/08/2010

(43) Publication Date : 28/06/2013

(54) Title of the invention : ANTI MALASSEZIA ACTIVES

(51) International classification	:A61K31/336
(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)ITC LIMITED

Address of Applicant :37, J.L. NEHRU ROAD, KOLKATA-700 071, STATES OF WEST BANGAL, INDIA

(72)Name of Inventor :

1)SHARMA VINEET

2)JAYAPRAKASH DOSS

3)RAMAMURTHI SURESH

4)BHASKAR, JAMES, PRABHANAND

5)SADHASIVAM SURESH

(57) Abstract :

Azole based anti-Malassezia actives are provided comprising the formula I. A formulation comprising compound of the formula I as the active ingredient having 2-mercapto group is provided. The present invention also provides an anti-Malassezia active comprising the formula II.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.881/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/08/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR EXTENDED WIRELESS ACCESS GATEWAY SERVICE PROVIDER WI-FI OFFLOAD

(51) International classification	:H04W76/02	(71)Name of Applicant :
(31) Priority Document No	:13/305,010	1)CISCO TECHNOLOGY, INC.
(32) Priority Date	:28/11/2011	Address of Applicant :170 WEST TASMAN DRIVE SAN
(33) Name of priority country	:U.S.A.	JOSE, CALIFORNIA 95134 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CENTEMERI, MARCO C.
(87) International Publication No	: NA	2)LOPEZ, LUIS
(61) Patent of Addition to Application Number	:NA	3)OSWAL, ANAND
Filing Date	:NA	4)WOOD, STEVE
(62) Divisional to Application Number	:NA	5)WAN, WILLIAM
Filing Date	:NA	

(57) Abstract :

A method is provided in one example embodiment and includes receiving a dynamic host configuration protocol (DHCP) discovery signal at a wireless network element from a customer premise equipment; requesting that a data session be established at a gateway; receiving an Internet protocol (IP) address; and communicating the IP address to the customer premise equipment.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.883/KOL/2010 A

(19) INDIA

(22) Date of filing of Application :09/08/2010

(43) Publication Date : 28/06/2013

(54) Title of the invention : LARGE ARRAY REFRESHABLE DISPLAY

(51) International classification	:G09B21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KUMAR JAIDEEP
(32) Priority Date	:NA	Address of Applicant :FLAT 401, SUNDER APPT,BHOOTH
(33) Name of priority country	:NA	NATH MORE, KANKARBAGH, PATNA 800020 Bihar India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KUMAR JAIDEEP
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device/system is disclosed that implements the hitherto absent capabilities of dynamic refreshing & repositioning of display content onto the scale (scale refers to the size of a single display) of large hoardings & billboards robustly & economically. This system employs an array of electromagnetically toggled colour modules or capsules to accomplish the same.

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.591/KOL/2010 A

(19) INDIA

(22) Date of filing of Application :01/06/2010

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONTACTLESS INTERDIGITAL TRANSDUCER BASED ON ELECTROSTATIC PRINCIPLE FOR SURFACE ACOUSTIC WAVE DEVICES

(51) International classification	:G01N31/22
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ASHISH KUMAR NAMDEO

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AND COMMUNICATION ENGINEERING, INDIAN
INSTITUTE OF TECHNOLOGY GUWAHATI, GUWAHATI,
781039, Assam India

2)HARSHAL B. NEMADE

3)N. RAMAKRISHNAN

(72)Name of Inventor :

1)ASHISH KUMAR NAMDEO

2)HASHAL B. MAMADE

3)N. RAMAKRISHNAN

(57) Abstract :

This invention relates to a novel method of generating and receiving surface acoustic wave (SAW) in SAW devices by electrostatic coupling by incorporating a contactless interdigital transducer (IDT) for application in surface acoustic wave (SAW) devices. Unlike as in existing SAW devices, in this invention the IDTs are not required to be fabricated on the substrate of the SAW devices. The IDTs are patterned over a suitable backing material. The radio frequency (RF) signals are applied to the IDT which is held close to the SAW device substrate to generate and to receive the SAWs on the substrate electrostatically. The frequency of generated SAWs relies on dimension of IDT structure. This method eliminates the secondary effects like mass loading, reflections from electrodes, bulk wave generation, diffraction, reemission, phase speed variations caused by IDTs patterned on device substrate, and to get rid of the bonding wires.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.635/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MUFFLER PROTECTOR AND SADDLE-RIDE TYPE VEHICLE

(51) International classification	:F01N13/00	(71)Name of Applicant :
(31) Priority Document No	:2011-129871	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:10/06/2011	Address of Applicant :2500 SHINGAI, IWATA-SHI,
(33) Name of priority country	:Japan	SHIZUOKA-KEN 438-8501 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)YOICHIRO DEGUCHI
(87) International Publication No	: NA	2)HIRONARI SUZUKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a muffler protector to be used for a muffler of a saddle-ride type vehicle, which includes a protector member made of a metal and a protector member made of a synthetic resin, which are used in combination, and in which unevenness in surface temperature of the protector member made of a synthetic resin are eliminated and wide design freedom is attained. A muffler protector (5) for covering at least a part of an outer side surface of a muffler (4) of the saddle-ride type vehicle includes: a metal protector member (51) fixed to the muffler (4) by a metal protector member fixing portion (53); and a synthetic-resin protector member (52) fixed to the metal protector member (51) by a synthetic-resin protector member fixing portion, the synthetic-resin protector member (52) including an opening (521) for exposing the metal protector member fixing portion (53).

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.864/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MULTI-FILAR BAR CONDUCTORS FOR ELECTRIC MACHINES

(51) International classification	:H02K23/26	(71)Name of Applicant :
(31) Priority Document No	:13/274537	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:17/10/2011	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, UNITED STATES OF
(86) International Application No	:NA	AMERICA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)PETER J. SAVAGIAN
(61) Patent of Addition to Application Number	:NA	2)RAJEEV VYAS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multi-filar conductor for an electric machine includes a first solid core and a second solid core. The first and second solid cores directly contact each other along a bare interface. An insulation layer surrounds the first and second solid cores. However, the insulation layer does not pass through the bare interface, such that there is no insulation between the first solid core and the second solid core.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.891/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FIREARM BOLT

(51) International classification	:F41A17/32	(71)Name of Applicant :
(31) Priority Document No	:61/522,438	1)KARL R. LEWIS
(32) Priority Date	:11/08/2011	Address of Applicant :6 TIMBERWOOD COURT, MOLINE,
(33) Name of priority country	:U.S.A.	ILLINOIS 61265 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KARL R. LEWIS
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a firearm bolt that may optionally incorporate one or more ejectors that are located closer to the extractor. The disclosed firearm bolt may also optionally position the ejector(s) outside of a central portion of a cartridge that experience high compression forces when the cartridge is fired.

No. of Pages : 55 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.891/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : AUTONOMOUS UNDER WATER VEHICLE FOR THE ACQUISITION OF GEOPHYSICAL DATA

(51) International classification :G01V11/00
(31) Priority Document No :MI2010A001952
(32) Priority Date :22/10/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2011/068539
Filing Date :24/10/2011
(87) International Publication No :WO 2012/052564
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)ENI S.P.A.

Address of Applicant :Piazzale E. Mattei, 1, I-00144 Roma,

Italy

(72)Name of Inventor :

1)GIORI, Italiano

2)ANTONELLI, Massimo

3)FINOTELLO, Roberto

(57) Abstract :

The present invention has, as a first object, an autonomous underwater vehicle equipped for the acquisition of the gravimetric and magnetic gradient near the seabed, characterized in that it comprises: -at least one gravimetric gradiometer; -at least one magnetic gradiometer. In particular, said autonomous equipped underwater vehicle allows underwater explorations as far as 3 000 m. A second object of the present invention relates to an analysis method of the geophysical characteristics of the subsoil, comprising the acquisition of the gravimetric and magnetic gradient in an underwater environment characterized by the following phases: -use of an autonomous equipped underwater vehicle according to the present invention; -immersion of said vehicle to the proximity of the seabed; -navigation along a programmed route; -acquisition and storage of the data collected by said gradiometers and said instruments with correlation to the geographic measurement point; -recovery of the data collected and use thereof for geophysical analysis of the subsoil.

No. of Pages : 37 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.899/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : INTERLAYER FOR ELECTRONIC DEVICES

(51) International classification :C08F232/00,H01L51/00
(31) Priority Document No :10009119.8
(32) Priority Date :02/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/004281
Filing Date :26/08/2011
(87) International Publication No :WO 2012/028278
(61) 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 PATENT GMBH

Address of Applicant :Frankfurter Strasse 250, 64293
Darmstadt, GERMANY

2)PROMERUS LLC

(72)Name of Inventor :

1)MUELLER, David Christoph

2)MISKIEWICZ, Pawel

3)CULL, Toby

4)WIERZCHOWIEC, Piotr

5)BELL, Andrew

6)ELCE, Edmund

7)RHODES, Larry, F.

8)FUJITA, Kazuyoshi

9)NG, Hendra

10)KANDANARACHCHI, Pramod

11)SMITH, Steven

(57) Abstract :

The invention relates to the use of polycycloolefins in electronic devices and more specifically to the use of such polycycloolefins as interlayers applied to insulating layers used in electronic devices, the electronic devices that encompass such polycycloolefin interlayers and processes for preparing such polycycloolefin interlayers and electronic devices.

No. of Pages : 126 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.884/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/08/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : BELLOWS OF A TRANSITION BETWEEN TWO VEHICLES OF AN ARTICULATED VEHICLE ARTICULATEDLY CONNECTED TO EACH OTHER

(51) International classification	:B60D5/00	(71)Name of Applicant :
(31) Priority Document No	:11 006	1)HÜBNER GMBH
(32) Priority Date	896.2-1268	Address of Applicant :HEINRICH-HERTZ-STRASSE 2
(33) Name of priority country	:24/08/2011	34123 KASSEL GERMANY
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)MOSANER, KNUD
(87) 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 object of the invention is a bellows (10) of a transition two vehicles of an articulated vehicle (1) articulately connected to each other, the bellows (10) having at least one U-shaped circumferential frame, the substantially U-shaped circumferential frame having at least one coupling arrangement for attaching a cover (35) shaped as an expansion or concertina bellows, at least one coupling arrangement being connected with the substantially U-shaped circumferential frame by way of at least one articulation (40).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.800/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : A DENTAL FURNACE

(51) International classification	:F27D21/00	(71)Name of Applicant :
(31) Priority Document No	:11 175	1)IVOCLAR VIVADENT AG
(32) Priority Date	226.7	Address of Applicant :BENDERERSTR., 2, FL-9494
(33) Name of priority country	:25/07/2011	SCHAAN LIECHTENSTEIN, GERMANY
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)RUDOF JUSSEL(dipl.-ing.FH)
(87) International Publication No	: NA	2)PHILIPP KETTNER
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a device for drying at least one object containing a liquid, in particular a dental restoration object (12). Said device comprises a means for generating thermal energy acting upon the object and sufficient for increasing the temperature of the object to the boiling point. Moreover, the device includes an impingement area for impinging on the object with thermal energy and a control device (24) that is characterized by the fact that a temperature detection element (20) of the device (10) measures the temperature of the object (12), and upon reaching a trigger temperature that is at the boiling temperature, somewhat below or somewhat above thereof, emits a signal to the control device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.801/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : DENTAL FURNACE

(51) International classification

:F27D21/00

(31) Priority Document No

:11 175

238.2

(32) Priority Date

:25/07/2011

(33) Name of priority country

:EPO

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)IVOCLAR VIVADENT AG

Address of Applicant :BENDERERSTR., 2, FL-9494

SCHAAN LIECHTENSTEIN, GERMANY

(72)Name of Inventor :

1)RUDOF JUSSEL(dipl.-ing.FH)

(57) Abstract :

The invention relates to a dental furnace (10) for dental restorations comprising a firing chamber into which, in particular between a furnace bottom part (14) and a furnace upper part (12), the dental restoration, in particular within a muffle, can be introduced, and a sensor that is connected with a control device (52) for the dental furnace (10), characterized in that the sensor, in particular the temperature sensor (22), is arranged outside the firing chamber and comprises a detection range (40) that also extends outside the firing chamber.

No. of Pages : 14 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.88/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : VACUUM DISTILLED DAO PROCESSING IN FCC WITH RECYCLE

(51) International classification :C10G1/04,B01J8/18,C10C1/18
(31) Priority Document No :12/813,081
(32) Priority Date :10/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039456
Filing Date :07/06/2011
(87) International Publication No :WO 2011/156383
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KELLOGG BROWN & ROOT LLC
Address of Applicant :601 Jefferson Avenue, Houston, TX
77002 United States of America
(72)Name of Inventor :
1)NICCUM, Phillip, K.
2)PATEL, Vasant, K.

(57) Abstract :

System and method for processing hydrocarbon. One or more embodiments of the method include combining a first hydrocarbon including a de- asphalted oil with a recycled hydrocarbon product to produce a combined hydrocarbon, cracking the combined hydrocarbon to produce a cracked hydrocarbon product, and recycling at least a portion of the cracked hydrocarbon product to provide the recycled hydrocarbon product, wherein the recycled hydrocarbon product comprises a cycle oil product, a naphtha product, or a combination thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.880/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/08/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR SWITCHING BETWEEN VIDEO STREAMS IN A CONTINUOUS PRESENCE CONFERENCE

(51) International classification	:H04N7/15	(71)Name of Applicant :
(31) Priority Document No	:61/522,474	1)POLYCOM, INC.
(32) Priority Date	:11/08/2011	Address of Applicant :4750 WILLOW ROAD,
(33) Name of priority country	:U.S.A.	PLEASANTON, CALIFORNIA 94588 UNITED STATES OF
(86) International Application No	:NA	AMERICA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)HALAVY, AVISHAY
(61) Patent of Addition to Application Number	:NA	2)BE'ERY, EFRAT
Filing Date	:NA	3)HAREL, EREZ
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An MRC system includes an MRM and an MRE that handle needs for Intra frames in an efficient way, improves the conferees experience, and reduces the load on the resources associated with that MRC videoconference by reducing the number of Intra frames and lowering the impact of Intra frames when they are needed. In some embodiments, when a requiring MRE requests an Intra frame for a video stream received from a presenting MRE, an MRM may respond by requesting the presenting MRE to send a temporary video stream toward the requiring MRE while sending in parallel a normal stream toward the rest of the MREs.

No. of Pages : 80 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.877/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :01/08/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : COMPOSITION FOR LOWERING BLOOD LIPID AND ELEVATING HIGH-DENSITY LIPOPROTEIN AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:A61P9/10	(71)Name of Applicant :
(31) Priority Document No	:100127357	1)SUNWAY BIOTECH CO., LTD.
(32) Priority Date	:02/08/2011	Address of Applicant :NO. 139, XING-AI RD., NEIHU
(33) Name of priority country	:Taiwan	DISTRICT, TAIPEI CITY 11494, (R.O.C.) Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PAN TZU-MING
(87) International Publication No	: NA	2)LEE CHUN-LIN
(61) Patent of Addition to Application Number	:NA	3)WU CHEN-LUN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a composition for lowering blood lipid and elevating high-density lipoprotein and a method for manufacturing the same; the composition comprises monascin or ankaflavin, or a combination thereof; the manufacturing method comprises the steps of: treating a Monascus fermented product with acetone for three times; elevating the concentration of the Monascus fermented product by a process of decompress concentration; and extracting the monascin and the ankaflavin from the Monascus fermented product with a silica gel column chromatography, a Sephadex LH-20 column chromatography, the silica gel column chromatography, and a preparative high performance liquid chromatography sequentially.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.774/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :13/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONCRETE MIXER TRUCK

(51) International classification	:B28C5/4213
(31) Priority Document No	:2011204860
(32) Priority Date	:19/07/2011
(33) Name of priority country	:Australia
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KAYABA INDUSTRY CO., LTD.

Address of Applicant :WORLD TRADE CENTER BLDG., 4-1, HAMAMATSU-CHO 2-CHOME, MINATO-KU, TOKYO 105-6111, JAPAN

(72)Name of Inventor :

1)HIROYUKI SHIMIZU

(57) Abstract :

A concrete mixer truck includes: a driving device that drives a mixer drum to rotate; a pressure sensor that detects a pressure of the working fluid in the driving device; a material introduction determination unit that determines whether or not a material for generating the mixed concrete has been introduced into the mixer drum; a pressure determination unit that determines whether or not the pressure of the working fluid detected by the pressure sensor has fallen to a set pressure set in advance in accordance with a carrying amount and a fluidity of the mixed concrete after the introduction of the materials for the mixed concrete into the mixer drum; and a notification device that notifies an operator that the pressure of the working fluid in the driving device has fallen to the set pressure on the basis of the determination made by the pressure determination unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.855/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : STAMPING HEAD FOR HIDE STAMPING MACHINES

(51) International classification	:B42D15/00
(31) Priority Document No	:VE2011A000061
(32) Priority Date	:24/08/2011
(33) Name of priority country	:Italy
(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)GER ELETTRONICA S.R.L.
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- MONTECCHIO MAGGIORE Italy
(72)**Name of Inventor :**
1)DAL CEREDO GIULIANO
2)VISONA' RENATO
3)BURATO BRUNO

(57) Abstract :

A stamping head for hide stamping machines, of the type comprising for each digit or symbol a plurality of resistive bars (4) applied onto a printed circuit and selectively fed with electrical energy for their temporary heating, characterised in that each bar is formed from a plurality of discrete surface mount resistors (14) with their terminals soldered to the tracks (6, 8) of said printed circuit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.646/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : STRADDLE TYPE VEHICLE

(51) International classification	:F02N11/08	(71)Name of Applicant :
(31) Priority Document No	:2011-131409	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:13/06/2011	Address of Applicant :2500 SHINGAI, IWATA-SHI, SHIZUOKA 438-8501 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)TAKESHI MATSUDA
Filing Date	:NA	2)JUNICHI KIMURA
(87) International Publication No	: NA	3)KATSUNORI UBUKATA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus is provided that determines whether the engine can be driven depending on the environment around the motorcycle without providing a mechanism intended to determine the battery level. An ECU 60 includes: a switch detector 603 that detects that the main switch 66 has changed from off to on; a drive controller 601 that drives an engine drive member when the switch detector 603 detects that the main switch 66 has changed from off to on; a start detector 604 that detects a start of the engine 44; a voltage detector 602 that senses the voltage at the battery 64 after the engine drive member begins to be driven and before the start detector 604 detects a start of the engine 44; a warning controller 605 that provides a warning lamp 62 with a warning instruction if the voltage value sensed by the voltage detector 602 is not more than a first threshold.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.793/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :18/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SWITCHING BLOCK AND SWITCHING DEVICE INCLUDING THE SAME

(51) International classification	:H04Q2011/0058	(71)Name of Applicant :
(31) Priority Document No	:2011-160181	1)PANASONIC CORPORATION
(32) Priority Date	:21/07/2011	Address of Applicant :1006, OAZA KADOMA, KADOMA-
(33) Name of priority country	:Japan	SHI, OSAKA 571-8501, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)YOSHIO YAMAGUCHI
(87) 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 switching block 1, which is detachably attached to a mounting frame for wiring accessories, includes a body 11 having a box-like shape whose front surface side is opened; and a cover 12 attached to the body 11 so as to close the opening in the front surface side of the body. On a front surface of the cover 12, there is provided an inversion part 13 for inverting an internal contact. A handle 4 is detachably attached to the inversion part 13. Further, the cover 12 has attaching portions 12b for attaching the cover 12 to the mounting frame 2. The attaching portions 12b protrude outwardly beyond the body 11. According to the switching block 1, the handle 4 having a width dimension larger than that of the body 11 can be attached to the switching block 1.

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.873/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : REDUCING ANGULAR CLEARANCE BETWEEN A MOTOR SHAFT AND AN ANGULAR POSITION SENSOR

(51) International classification	:H02K11/00	(71)Name of Applicant :
(31) Priority Document No	:13/218,191	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:25/08/2011	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ERIK CHRISTOPHER HATCH
(87) International Publication No	: NA	2)PETER BOSTWICK
(61) Patent of Addition to Application Number	:NA	3)BRANDON GIVEN
Filing Date	:NA	4)DANG DINH DANG
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electric motor assembly includes a motor shaft rotatable about a longitudinal axis, an angular position sensor, and a deformable pin. The motor shaft has an axial keyway formed therein, and the axial keyway has a nominal keyway dimension. The angular position is coupled to the motor shaft to rotate with the motor shaft. The angular position sensor has an axial key to fit within the axial keyway of the motor shaft, and the axial key has a nominal key dimension that is less than the nominal keyway dimension. The deformable pin is located in the axial keyway under compression between the axial key and the motor shaft to inhibit rotational shifting of the angular position sensor relative to the motor shaft.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.875/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING LOADS ON A MANUAL TRANSMISSION BASED ON A SELECTED GEAR OF THE MANUAL TRANSMISSION

(51) International classification	:B60W10/06
(31) Priority Document No	:13/225,997
(32) Priority Date	:06/09/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
Address of Applicant :300 GM RENAISSANCE CENTER,
DETROIT, MICHIGAN 48265-3000, U.S.A.
(72)**Name of Inventor :**
1)WILLIAM L. COUSINS
2)JAMES M. PARTYKA

(57) Abstract :

A system according to the principles of the present disclosure includes a selected gear module and a shift indicator module. The selected gear module determines a selected gear of a manual transmission. The shift indicator module monitors vehicle speed and the selected gear and generates a shift indicator signal based on the vehicle speed and the selected gear, the shift indicator signal indicating when to shift to one of first gear and reverse gear.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3956/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR REMOVING ADVENTITIOUS AGENTS DURING THE PRODUCTION OF A VIRUS IN CELL CULTURE

(51) International classification	:C12N7/02
(31) Priority Document No	:1011502.0
(32) Priority Date	:08/07/2010
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2011/061446
Filing Date	:06/07/2011
(87) International Publication No	:WO 2012/004323
(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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BELGIUM

(72)Name of Inventor :

1)COLLIGNON, Francoise, Marie, Isabelle

2)KNOTT, Isabelle Solange Lucie

3)MATHEISE, Jean-Philippe, Jules, Jeanine

(57) Abstract :

The present invention relates to improved processes for the production of viruses, in particular, viruses for use in medicine (for example vaccination or gene therapy).

No. of Pages : 39 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3957/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF PTERIDINE DERIVATIVES

(51) International classification :C07H3/02,C07H5/10,C07D475/04
(31) Priority Document No :MI2010A001076
(32) Priority Date :15/06/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2011/002896
Filing Date :13/06/2011
(87) International Publication No :WO 2011/157388
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DIPHARMA FRANCIS S.R.L.
Address of Applicant :Via Bissone 5, I-20021 Baranzate (MI)
Italy
(72)Name of Inventor :
1)ATTOLINO, Emanuele
2)MICHIELETTI, Mario
3)ROSSI, Davide
4)ALLEGRIINI, Pietro

(57) Abstract :

The application discloses a process for the preparation of 5-deoxy-L-arabinose of formula (VI); comprising the conversion of a compound of formula (XII); wherein n is 0, 1 or 2; which can be used as intermediate for the synthesis of sapropterin.

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

(54) Title of the invention : METHOD FOR DECORATING SURFACES

(51) International classification	:B44C1/17,B44F1/10	(71)Name of Applicant :
(31) Priority Document No	:102010025278.6	1)LEONHARD KURZ STIFTUNG & CO. KG
(32) Priority Date	:28/06/2010	Address of Applicant :Schwabacher Stra e 482, 90763 FÜrth
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/003126	(72)Name of Inventor :
Filing Date	:24/06/2011	1)LUTZ, Norbert
(87) International Publication No	:WO 2012/000631	2)KURZ, Walter
(61) Patent of Addition to Application	:NA	3)BREHM, Ludwig
Number	:NA	4)BEZOLD, Hans Peter
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method and a transfer tape for decorating surfaces, in particular for decorating outer packaging. A transfer tape is provided, comprising a tape-shaped carrier film (11), a decorative layer (13) and a release layer (12) which is arranged between the decorative layer (13) and the carrier film. The decorative layer (13) has a multiplicity of homogeneous optically variable decorative elements which are arranged in first surface regions which are separated from one another and are spaced apart from one another in the longitudinal direction of the transfer tape. The decorative layer (13) has second surface regions which are separated from one another, are spaced apart from one another in the longitudinal direction of the transfer tape, and in which the decorative layer (13) has one or more individualizable layers for providing in each case different machine-readable optical markings. In each case a first surface region or a part region of a first surface region and a second surface region or a part region of a second surface region of the decorative layer (13) are transferred onto a surface to be decorated. The one or more individualizable layers of the respective second surface region are individualized before or during the transfer, with the result that, in addition to one of the optically variable decorative elements, an individualized machine-readable optical marking is transferred from the transfer tape onto the surface to be decorated.

No. of Pages : 75 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.593/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RECEPTACLE

(51) International classification	:A21D8/00
(31) Priority Document No	:2011-115537
(32) Priority Date	:24/05/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KEIJI KURIBAYASHI

2)MASAYA YOSHIOKA

3)SATORU UENO

4)NOBORU HASHIMOTO

(57) Abstract :

There is provided a receptacle capable of preventing a cable of a power plug from being stressed excessively and preventing the cable of the power plug from being an obstacle for passage. The receptacle includes a receptacle body 2 to which a power plug is to be connected; and a hook portion 1, provided integrally with the receptacle body 2, for hanging the cable of the power plug thereon.

No. of Pages : 40 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.905/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR OPERATING IN IDLE MODE

(51) International classification	:H04W52/02	(71)Name of Applicant :
(31) Priority Document No	:61/522,690	1)LG ELECTRONICS INC.
(32) Priority Date	:12/08/2011	Address of Applicant :20 YEUIDO-DONG
(33) Name of priority country	:U.S.A.	YEONGDEUNGPO-GU SEOUL 150-721 REPUBLIC OF
(86) International Application No	:NA	KOREA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)PARK, GI WON
(61) Patent of Addition to Application Number	:NA	2)YUK, YOUNG SOO
Filing Date	:NA	3)KIM, JEONG KI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and device for operating in an idle mode for Machine To Machine (M2M) communication are provided. A M2M device receives a paging message from a base station. The paging message includes a M2M group identifier that identifies a M2M group to which the M2M device belongs. The M2M device monitors an uplink resource allocation beginning from an offset during a monitoring duration.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.97/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/01/2013

(43) Publication Date : 28/06/2013

(54) Title of the invention : TOUCH-SENSITIVE DEVICE AND TOUCH-BASED FOLDER CONTROL METHOD THEREOF

(51) International classification :G06F3/048,G06F3/041
(31) Priority Document No :10-2010-0074547
(32) Priority Date :02/08/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/005651
Filing Date :01/08/2011
(87) International Publication No :WO 2012/018212
(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)Sang Ki LEE
2)Su Jung YOUN
3)Kyoung Ae LIM
4)Su Mi SHIM
5)Wan Soo LIM

(57) Abstract :

A touch-sensitive device has a touch-based input interface and includes a touch-based folder control for creating, moving or arranging folders in response to an input of a touch-based user interaction. The touch-sensitive device receives an input from a touch-based user interaction on a home screen of the touch sensitive device and creates a new folder in response to at least one object selected by the user interaction. The touch based folder control visually disposes the new folder at a specific place on the home screen.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.900/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : COOLER AND REFRIGERATING APPARATUS INCLUDING THE SAME

(51) International classification :F24F1/24,F24F1/30,F25B1/00
(31) Priority Document No :2010-221214
(32) Priority Date :30/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/005428
Filing Date :27/09/2011
(87) International Publication No :WO 2012/042849
(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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Nakazaki-nishi 2-chome, Kita-ku, Osaka-shi, Osaka 530-8323
JAPAN
(72)Name of Inventor :
1)TERAKI Junichi

(57) Abstract :

A cooler (50) is provided with a tubular member (53) through which a heat medium flows, and is arranged so as to be in thermal contact with a power module (80) such that the power module (80) is cooled by the heat medium flowing through the tubular member (53). Inside the tubular member (53) a flow passage forming member (54) is provided that extends in the axial direction and forms a heat medium narrow flow passage (C0) between the inner peripheral surface of the tubular member (53) and the flow passage forming member (54).

No. of Pages : 91 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.688/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : TOUCH CONTROL PANEL STRUCTURE HAVING A DUMMY PATTERN

(51) International classification	:G06F3/044	(71)Name of Applicant :
(31) Priority Document No	:100128032	1)FORTREND TAIWAN SCIENTIFIC CORP.
(32) Priority Date	:05/08/2011	Address of Applicant :NO. 20, GONG 4TH RD., LINKOU
(33) Name of priority country	:Taiwan	DISTRICT, NEW TAIPEI CITY 244, R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHIH-SHUN CHANG
(87) 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 touch control panel structure includes a substrate, a plurality of first transparent conductive regions, a plurality of first dummy patterns, an insulating layer, a plurality of second transparent conductive regions, a plurality of second dummy patterns, and an optical coating layer. The first transparent conductive regions and the first dummy patterns are disposed on the substrate and covered by the insulating layer. The second transparent conductive regions and the second dummy patterns are disposed on the insulating layer and covered by the optical coating layer. The first and second transparent conductive regions are respectively arranged in a first and a second direction. The first and second dummy patterns are respectively aligned with the corresponding second and first transparent conductive regions. The color difference is not visually perceptible when light is emitted upward from the bottom of the substrate, thereby improving the display image quality.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.895/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : MOBILE PRODUCTION SYSTEM FOR CEMENT PANEL

(51) International classification :B28B5/00,B25B17/00,E04G21/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/SG2010/000404

Filing Date :22/10/2010

(87) International Publication No :WO 2012/053973

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)LIM, Jee Keng James

Address of Applicant :No. 104, Jalan Bumbong, Singapore 739918 Singapore

(72)Name of Inventor :

1)LIM, Jee Keng James

(57) Abstract :

The invention relates to an automated mobile production system for fabricating a cement panel or composite cement panel. The system includes a movable container and a conveyor system inside the container aligned along a longitudinal axis of the container. The system further includes a plurality of independent manufacturing stations inside the container and aligned along the conveyor system. The container is preferably an international standard shipping container so that being compact and movable from place to place. Further, the system includes a removable mortar mixing station affixed to the outer top side of the container when the system is in operation, and is removed and stored inside the container during transport of the system.

No. of Pages : 44 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.896/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : CRYSTALLINE SOLAR CELL AND METHOD FOR PRODUCING THE LATTER

(51) International classification :H01L31/0236
(31) Priority Document No :10 2010 037 355.9
(32) Priority Date :06/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/065391
Filing Date :06/09/2011
(87) International Publication No :WO 2012/032046
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SCHOTT SOLAR AG
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GERMANY
(72)Name of Inventor :
1)NAGEL, Henning
2)VAAS, Knut
3)SCHMIDT, Wilfried

(57) Abstract :

The invention relates to a method for producing a crystalline solar cell (10) comprising a p-doped silicon substrate (12) having an n-doped region (14) on the front side and also at least one antireflection layer (22). In order that the degradation of the parallel resistance of the solar cell and thus of the filling factor is reduced, it is provided that a solution containing phosphoric acid is uniformly applied to the entire front-side surface of the solar cell, that phosphosilicate glass is formed in a first thermal treatment step applied to the solar cell, and that, in the first thermal treatment step or a subsequent second thermal treatment step, silicon-containing precipitates near the surface are formed with a homogeneous or substantially homogeneous surface coverage in a layer (26) on the front-side surface of the substrate in the range of between 5% and 100%.

No. of Pages : 21 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.897/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD FOR THE WET-CHEMICAL ETCHING BACK OF A SOLAR CELL EMITTER

(51) International classification :H01L 31/0224
(31) Priority Document No :10 2010 037 311.7
(32) Priority Date :03/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/065231
Filing Date :02/09/2011
(87) International Publication No :WO 2012/028728
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SCHOTT SOLAR AG
Address of Applicant :HATTENBERGSTR.10,55122
MAINZ,GERMANY,
(72)Name of Inventor :
1)LACHOWICZ,AGATA
2)SCHUM,BERTHOLD
3)VAAS,KNUT

(57) Abstract :

The invention relates to a method for the wet-chemical etching of a highly doped silicon layer in an etching solution.According to the invention,in order to be able to perform etching homogeneously,an HF-containing etching solution containing at least one oxidizing agent selected from the group comprising peroxodisulphates,peroxomonosulphates and hydrogen peroxide is used as etching solution.

No. of Pages : 23 No. of Claims : 11

(54) Title of the invention : METHOD FOR REPAIRING WELDED PART OF HOT DIP ZINC-ALUMINUM ALLOY COATED STEEL MATERIAL, AND WELDED STRUCTURE

(51) International classification:C23C4/06,B23K31/00,B32B15/01

(31) Priority Document No :2010-237113

(32) Priority Date :22/10/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/005877

Filing Date :20/10/2011

(87) International Publication No :WO 2012/053214

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

Filing Date :NA

Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :11-2, Osaka 1-chome, Shinagawa-ku, Tokyo 1410032, JAPAN

(72)Name of Inventor :

1)FUJISAWA, Hideshi

2)OOI, Toshihiko

3)FURUTA, Akihiko

4)SATO, Susumu

(57) Abstract :

A method for repairing a welded portion, which provides excellent adhesion of a repairing material and excellent corrosion resistance of a bonded portion and surrounding portions thereof is proposed, and a welded structure subjected to the repair is provided.

Specifically provided is a method for repairing a welded portion of a hot dipped zinc-aluminum alloy coated steel material, which is characterized in that: a first spray layer is formed by spraying an Al-Si alloy on the upper layer of a welded portion of a hot dipped zinc-aluminum alloy coated steel material; a second spray layer is formed by spraying a Zn-Al alloy on the first spray layer; and the spray layers and portions surrounding the spray layers are preferably coated with an inorganic and/or organic antirust treatment layer.

No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.83/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : NANOPARTICLE FILM DELIVERY SYSTEMS

(51) International classification :A61K9/00,A61K9/20,A61K38/28

(31) Priority Document No :61/353,366

(32) Priority Date :10/06/2010

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

(86) International Application
No :PCT/US2011/039979
Filing Date :10/06/2011

(87) International Publication
No :WO 2011/156711

(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)RADEMACHER Thomas

5)MOUS Jan

6)BARRY Justin N.W.

7)WILLIAMS Phillip

8)BARRIENTOS Africa Garcia

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1)SCHOBEL, Alexander, M.

2)MYERS, Garry, L.

3)KENDALL, Keith, Joseph

4)RADEMACHER, Thomas

5)MOUS, Jan

6)BARRY, Justin, N.W.

7)WILLIAMS, Phillip

8)BARRIENTOS, Africa, Garcia

(57) Abstract :

A therapeutic or bioeffecting film delivery system which includes nanoparticles having actives bound to or associated with the nanoparticles and which when administered allow the active to perform a therapeutic or bioeffecting function.

No. of Pages : 144 No. of Claims : 82

(12) PATENT APPLICATION PUBLICATION

(21) Application No.832/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FLOW REGULATOR

(51) International classification	:F15D1/00
(31) Priority Document No	:20 2011 104 072.4
(32) Priority Date	:05/08/2011
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NEOPERL GMBH

Address of Applicant :KLOSTERRUNSSTR. 11 79379

MÜLLHEIM GERMANY

(72)Name of Inventor :

1)STEIN, ALEXANDER

2)WEIS, CHRISTOPH

(57) Abstract :

The invention relates to a flow regulator (1) having a flow regulator housing, with a rotor disk (9) being supported in a rotary fashion in the interior space of its housing, which is embodied at least in a partial section of the disk in a liquid-permeable fashion and (9) is in a driven connection with a rotor disk drive, which transfers the flow of the water flowing through the flow regulator housing into a rotary drive force used for a rotary motion of the rotor disk (9). Using the flow regulator according to the invention considerable water savings can be achieved without here any reduction of the volume flow being clearly discernible.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.746/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PIPE REEL LOAD SIMULATOR

(51) International classification	:G01N3/02
(31) Priority Document No	:13181690
(32) Priority Date	:13/07/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)TAYLOR, LELAND HARRIS, JR.

2)SUSCHITZ, LUCA

(57) Abstract :

An arrangement of elements which are used to restrain and deflect a pipe specimen to a prescribed form with precisely controlled loads. A rigid frame includes a movable pipe bending form to which one end of a pipe specimen is connected and a rotating table to which the second end of the pipe specimen is connected. Means for assessing the drive torque used to draw the pipe specimen over the pipe bending form is provided in the form of a load cell. The rotating table is used in combination with a travelling pipe end truck foundation to generate a bending moment in the pipe specimen in the same plane as the pipe specimen is being bent by the pipe bending form. By the use of precise loads on the pipe specimen, computer analysis of the simulated reeling of the given pipe construction will produce predictions of the reeling tension, shear, and bending moment in the pipe at the point of the travelling pipe end as this point on the pipe approaches contact with the reel.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.614/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/05/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CONVEYING EQUIPMENT

(51) International classification	:B65G47/52	(71)Name of Applicant :
(31) Priority Document No	:2011-121504	1)DAIFUKU CO., LTD.
(32) Priority Date	:31/05/2011	Address of Applicant :3-2-11 MITEJIMA,
(33) Name of priority country	:Japan	NISHIYODOGAWA-KU, OSAKA -SHI, OSAKA 5550012
(86) International Application No	:NA	JAPAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)HIROSHI NISHIKAWA
(61) Patent of Addition to Application Number	:NA	2)YUKIO NAKAGAWA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Conveying equipment of the present invention is characterized in that a control means 16 to control a driving motor 12 of an elevation drive means 9 to vertically move a conveyed object supporting base 2 mounted on a conveying traveling body 1 traveling on a traveling path, based on a detection signal from a pulse encoder synchronized with the motor 12 is provided on the traveling path side but not on the conveying traveling body 1 and that an electric power and signal communication means 18 to perform electric power supply from the control means 16 to the driving motor 12 and detection signal transmission from the pulse encoder to the control means 16 while the conveying traveling body 1 is traveling is provided at setup points on the traveling path.

No. of Pages : 34 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.893/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/08/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : CLINKER KILN WITH SLIDER FOR TERTIARY AIR DUCT

(51) International classification	:F27B7/20
(31) Priority Document No	:10 2011
(32) Priority Date	052 963.2
(33) Name of priority country	:24/08/2011
(86) International Application No	:Germany
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)IKN GMBH

Address of Applicant :MITTELSTRASSE 4-5 31535

NEUSTADT GERMANY

(72)Name of Inventor :

1)KARL VON WEDEL

(57) Abstract :

A slider unit (1) for a tertiary air duct between a clinker cooler and a calciner of a clinker kiln line having at least one shutoff device 80, which can be inserted into a tertiary air duct to seal it without further reducing the cross section of the tertiary air duct provides reliable sealing of the tertiary air duct and control of the tertiary air flow, if the slider unit (1) has at least one control device which can be inserted into a section of the tertiary air duct to reduce its cross section.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.893/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : FLUIDIZED BED POLYMERIZATION REACTOR AND PROCESS FOR PREPARING POLYMER

(51) International classification :B01J8/24,C08F2/34,C08F10/00
(31) Priority Document No :201010299786.3
(32) Priority Date :29/09/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/001651
Filing Date :29/09/2011
(87) International Publication No :WO 2012/041017
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
Number :NA
Filing Date :NA

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3)SINOPEC ENGINEERING INCORPORATION
(72)Name of Inventor :
1)WU, Wenqing
2)YANG, Yongrong
3)LUO, Guanghai
4)WANG, Jingdai
5)JIANG, Binbo
6)WANG, Shufang
7)HAN, Guodong

(57) Abstract :

The present invention provides a fluidized bed polymerization reactor, comprising: a tower body, provided therein with a liquid phase distributor and a gas phase distributor above the liquid phase distributor, so as to divide a reaction area into a first area and a second area by means of the gas phase distributor; and a recycling unit, for recycling the gaseous substances originating from the top area of the tower to the bottom area in the form of a gas liquid mixture. In this situation, the gas liquid mixture is subjected to a gas liquid separation in the bottom area, wherein the gas phase obtained is output into the gas phase distributor and thence into the second area, and the liquid phase obtained enters the first area via the liquid phase distributor, such that the temperature in the first area is lower than the temperature in the second area. A polymer with a relatively wide molecular weight distribution can thus be produced. The present invention also provides a process for preparing polymers.

No. of Pages : 30 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.894/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : APPARATUS FOR REMOVING AIR CONTAMINANTS

(51) International classification :B01D53/02,B01D53/14,B01D47/00
(31) Priority Document No :10-2010-0092765
(32) Priority Date :24/09/2010
(33) Name of priority country:Republic of Korea
(86) International Application No :PCT/KR2011/006966
Filing Date :21/09/2011
(87) International Publication No :WO 2012/039584
(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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Yongcheon-ro, Namdong-Gu, Incheon 405-800 Republic of Korea

(72)Name of Inventor :

1)KIM, Jong In

(57) Abstract :

The present invention relates to an apparatus for removing air contaminants, which adsorbs dust and harmful substances contained in the air contaminants using an absorbing unit connected to an inlet pipe inserted in a tank.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3589/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM FOR REDUCING HEAD SPACE IN A PRESSURE CYCLONE

(51) International classification :B65G53/60

(31) Priority Document No :12/773206

(32) Priority Date :04/05/2010

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

(86) International Application No :PCT/US2011/034329

Filing Date :28/04/2011

(87) International Publication No :WO 2011/139836

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)KELLOGG BROWN & ROOT LLC

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HOUSTON TX 77002 U.S.A.

(72)Name of Inventor :

1)PHILLIPS WILLIAM E.

(57) Abstract :

A pressure cyclone is disclosed having a concave top head, wherein the concave top head has a substantially flat roof disposed in the interior of the cyclone vessel. An inlet is tangential ly-coupled to the vessel and has an inlet nozzle disposed therein and configured to smoothly transition into the cyclone vessel to create a vortex that separates solid particulates from an incoming particulate-fluid suspension. In particular, the one surface of the inlet nozzle is tangent to the inner surface of cyclone vessel and another surface of the inlet nozzle is parallel and continuous with the substantially flat roof. An inlet casing is disposed around a length of the inlet nozzle and configured to transition from a circular casing to an elliptical casing along the length of the inlet nozzle, and couple to the vessel with the elliptical casing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3590/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : WORN ARTICLE

(51) International classification :A61F13/496

(31) Priority Document No :2010096538

(32) Priority Date :19/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/059666

Filing Date :19/04/2011

(87) International Publication No :WO 2011/132688

(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)MUKAI HIROTOMO

2)ARAYAMA Takaya

(57) Abstract :

A wearing article 1 includes a chassis 100 and an absorber main body 200. The wearing article 1 has a central elastic member 41C overlapping a non-skin surface of an absorber in the crotch region and extending along a longitudinal direction L at an approximately center of a widthwise direction L of the wearing article, and a back leg elastic member 24R that curves within the crotch region 120 from the end of a back waistline region 110R in the widthwise direction W and configures at least a part of an elastic stress line 310 that crosses the absorber along the widthwise direction W. In the elastic stress line 310, the elastic stress of the portion crossing the absorber is smaller than the elastic stress of the central elastic member 41C.

No. of Pages : 52 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3591/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : RUBBER COMPOSITION FOR TIRE AND PNEUMATIC TIRE

(51) International classification :C08L9/00,B60C1/00,C08K3/26
(31) Priority Document No :2010096282
(32) Priority Date :19/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/054468
Filing Date :28/02/2011
(87) International Publication No :WO 2011/132461
(61) 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 RUBBER INDUSTRIES LTD.
Address of Applicant :6-9 WAKINOHAMA-CHO 3-CHOME
CHUO-KU, KOBE-SHI HYOGO 6510072 Japan
(72)Name of Inventor :
1)MINAGAWA YASUHISA

(57) Abstract :

The present invention provides a rubber composition for a tire, which has an increased rate of reaction between a silane coupling agent and silica so that its performances including fuel economy and abrasion resistance can be enhanced; and a pneumatic tire formed from the rubber composition. The present invention relates to a rubber composition for a tire, containing: diene rubber; silica; a silane coupling agent; and a carbonate salt and/or a hydrogen carbonate salt, wherein the rubber composition has a total content of the carbonate salt and the hydrogen carbonate salt of 0.3 to 25 parts by mass relative to 100 parts by mass of the silica.

No. of Pages : 56 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3592/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : POLYOLEFIN BASED RESIN COMPOSITION

(51) International classification :C08L23/26,C08K3/04
(31) Priority Document No :2010136706
(32) Priority Date :16/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063813
Filing Date :16/06/2011
(87) International Publication No :WO 2011/158906
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SEKISUI CHEMICAL CO.LTD.
Address of Applicant :4-4, NISHITEMMA 2-CHOME, KITA-KU, OSAKA-SHI OSAKA 5308565 Japan
(72)Name of Inventor :
1)TAKAHASHI KATSUNORI
2)MUKOHATA DAISUKE
3)NARUTA MITSURU
4)TANIGUCHI KOUJI
5)NAGATANI NAOYUKI
6)NOZATO SHOUJI

(57) Abstract :

Provided is a polyolefin-based resin composition capable of obtaining a molded product having a high modulus of elongation and a low coefficient of linear expansion. The polyolefin-based resin composition includes a polyolefin-based resin containing either one or both of an acid-modified polyolefin-based resin and a polyolefin-based resin with a hydroxyl group, and flaked graphite. The flaked graphite is uniformly dispersed in the polyolefin-based resin. As a result, a molded product formed by using the polyolefin-based resin composition has excellent mechanical strength such as a high modulus of elongation, a low coefficient of linear expansion, and high dimensional stability, and can be used for various applications such as a material that is suitable for use as the exterior panels of automobiles or a steel sheet replacement material.

No. of Pages : 37 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.817/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :23/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : DENTAL FURNACE

(51) International classification	:F27D21/00	(71)Name of Applicant :
(31) Priority Document No	:11 175	1)IVOCLAR VIVADENT AG
(32) Priority Date	231.7	Address of Applicant :BENDERERSTR. 2 FL-9494
(33) Name of priority country	:25/07/2011	SCHAAN LIECHTENSTEIN
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)JUSSEL RUDOF
(87) International Publication No	: NA	2)ROHNER GOTTRIED
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A dental furnace (10), with a furnace head (including firing space 16) and a firing space bottom (12) is provided which is suited to accommodate a dental restoration part (40). At least one optical sensor (22) is positioned at the dental furnace (10) or in its vicinity, which sensor comprises an output port (26) which is connected to an evaluation device for evaluating the dental restoration part (40) and/or a muffle (14) and/or a press plunger (52) and/or a firing-charge carrier as far as its dimensions and/or its shape and/or its position are concerned.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3594/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : MODIFIED CARBONYL REDUCTASE, GENE THEREOF, AND METHOD OF PRODUCING OPTICALLY ACTIVE ALCOHOLS USING THESE

(51) International classification :C12N15/00,C12N1/15,C12N1/19
(31) Priority Document No :2010-098698
(32) Priority Date :22/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/051771
Filing Date :28/01/2011
(87) International Publication No :WO 2011/132444
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KANEKA CORPORATION
Address of Applicant :2-4, NAKANOSHIMA 3-CHOME,
KITA-KU, OSAKA-SHI, OSAKA 5308288 JAPAN
**2)NATIONAL UNIVERSITY CORPORATION NARA
INSTITUTE OF SCIENCE AND TECHNOLOGY**
(72)Name of Inventor :
1)NISHIHACHIJO MASAKATSU
2)IGUCHI KEITA
3)KAWANO SHIGERU
4)YASOHARA YOSHIHIKO

(57) Abstract :

Objects of the invention are to provide modified carbonyl reductases having improved reactivity in the presence of halogen atoms in comparison with a wild-type enzyme, as well as a method for efficiently manufacturing an optically active alcohol using these enzymes. Modified carbonyl reductases having improved reactivity in the presence of halogen atoms in comparison with the wild type were isolated from a library of modified carbonyl reductases prepared by introducing random mutations into the wild-type enzyme gene. There are also provided enzymes as well as DNA encoding the enzymes, transformants producing the enzymes, and a method of efficiently manufacturing an optically active alcohol using these.

No. of Pages : 99 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3595/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : FILM FORMING COATING COMPOSITIONS CONTAINING CARBOXAMIDE COALESCING SOLVENTS AND METHODS OF USE

(51) International classification	:C08F8/30
(31) Priority Document No	:61/396252
(32) Priority Date	:25/05/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/037541
Filing Date	:23/05/2011
(87) International Publication No	:WO 2011/149830
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)STEPAN COMPANY
Address of Applicant :22 W. FRONTAGE ROAD
NORTHFIELD IL 60093 U.S.A.
(72)**Name of Inventor :**
1)LUEBKE GARY
2)LUKA RENEE
3)MALEC ANDREW,D.
4)TERRY MICHAEL,R.
5)WOLFE,PATRICK,SHANE

(57) Abstract :

A film may be formed from film forming compositions which comprise at least one carboxamide based coalescing solvent. These coalescing solvents impart equivalent or improved wet-scrub resistance, block resistance, gloss, dirt pick-up resistance and leveling characteristics to the films on a substrate, without contributing to total VOC levels, when replacing conventional coalescing solvents. The present invention also includes a method for forming a film comprising applying a film forming composition comprising polyunsaturated reactive carboxamides to a substrate and curing the film under ambient conditions. The coalescing carboxamide solvents are suitable for paint, latex based caulk, adhesives and floor care applications.

No. of Pages : 66 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.858/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : PRESTRESSED PILE,PILE CONNECTING METHOD AND PILE HEAD PROCESSING METHOD THEREOF

(51) International classification	:E02D5/34	(71)Name of Applicant :
(31) Priority Document No	:100127381	1)DEHAN INTELLECTUAL TECHNOLOGY CO. LTD.
(32) Priority Date	:02/08/2011	Address of Applicant :3F.NO.217, WANGGONG
(33) Name of priority country	:Taiwan	RD.LINYUAN DIST, KAOHSIUNG CITY 832, TAIWAN,
(86) International Application No	:NA	POSTAL CODE 832 Taiwan
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SHENG-NAN LEE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A prestressed pile (2) includes a hollow pile body (21), and at least one reinforcing unit (22) that has intersecting first and second metal pieces (221, 222) disposed in and extending across an accommodation space (211) of the pile body (21) and having opposite ends fixed to the pile body (21). A pile connecting method and a pile head processing method are also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3809/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : METHOD OF SYNTHESIS OF FERROQUINE BY CONVERGENT REDUCTIVE AMINATION

(51) International classification :C07F17/02
(31) Priority Document No :1054625
(32) Priority Date :11/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/IB2011/052536
Filing Date :10/06/2011
(87) International Publication No :WO 2011/154923
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SANOFI
Address of Applicant :54 Rue La Boétie F-75008 Paris France
(72)Name of Inventor :
1)FEREY, Vincent
2)MATEOS-CARO, Julia
3)MONDIERE, Régis
4)VAYRON, Philippe
5)VIGNE, Sylvie

(57) Abstract :

The invention relates to a method of synthesis of ferroquine of formula (F) or of its metabolite of formula (Fm): comprising a reaction of reductive amination, said reaction comprising: (i) a stage of condensation of the aldehyde-amino ferrocene of formula (1), which R represents a hydrogen atom or a methyl group, with the 7-chloroquinolin -amine of formula (2) as shown below, followed by (ii) a stage of reduction of the product of condensation obtained in the preceding stage (iii) then a stage of hydrolysis of the reaction mixture in the presence of an aqueous solution of ammonia or of citric acid.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.457/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 28/06/2013

(54) Title of the invention : RIVET SETTER

(51) International classification	:B21J15/04
(31) Priority Document No	:10 2010 039 666.4
(32) Priority Date	:24/08/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/064456
Filing Date	:23/08/2011
(87) International Publication No	:WO 2012/025520
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)WÜRTH INTERNATIONAL AG
Address of Applicant :ASPERMONTSTRASSE 1 CH-7000
CHUR, SWITZERLAND
2)WÜRTH INTERNATIONAL AG
(72)**Name of Inventor :**
1)SOLLER, DANIEL

(57) Abstract :

The invention relates to a rivet setting tool comprising a holding element (5) for holding a blind rivet (2, 3) before being set by the tool. Said holding element (5) comprises a central, cylindrical passage, the diameter thereof being slighter bigger than the diameter of the rivet pin. At least two, preferably three clamping jaws (10), which are introduced into radial slots (7) so that they can be displaced in a radial and axial manner, interact on the rivet pins. The width of the slots is smaller than the diameter of the rivet pin.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.652/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : LIST DISPLAY APPARATUS

(51) International classification	:G06F3/048
(31) Priority Document No	:2011-131176
(32) Priority Date	:13/06/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SONY COMPUTER ENTERTAINMENT INC.
Address of Applicant :1-7-1, KONAN, MINATO-KU,
TOKYO, JAPAN
(72)**Name of Inventor :**
1)MOCHIZUKI, ARITO
2)OE KUNIAKI

(57) Abstract :

Provided is a list display apparatus configured to: arrange, from a list including a plurality of item images arranged in order, item images included in a partial range of the list in a predetermined scroll direction, and display the item images in the partial range on a screen; and move the item images in the scroll direction at a speed corresponding to a users scroll instruction, and move item images that have not been displayed on the screen in the scroll direction from outside of the screen into the screen so as to newly display the item images on the screen. When the item image that is newly displayed is moved in the scroll direction into the screen, at least a part of the item image is moved in a cross direction crossing the scroll direction from the outside of the screen into the screen at a predetermined speed.

No. of Pages : 37 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.699/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : INTEROPR PERMANENT MAGNET MACHINE WITH RADially ASYMMETRIC MAGNET CONFIGURATION

(51) International classification	:H02K1/27	(71)Name of Applicant :
(31) Priority Document No	:13/238008	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:21/09/2011	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, UNITED STATES OF
(86) International Application No	:NA	AMERICA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SINISA JURKOVIC
(61) Patent of Addition to Application Number	:NA	2)KHWAJA M. RAHMAN
Filing Date	:NA	3)XINYU ZHOU
(62) Divisional to Application Number	:NA	4)XU HAN
Filing Date	:NA	5)QIANG NIU

(57) Abstract :

An interior permanent magnet machine is provided with a rotor that includes a plurality of slots and at least one barrier defined by the plurality of slots. A plurality of first and second magnets are disposed within the barrier. The rotor is configured such that at least one of the first magnets is located at a different radial distance from the center of the rotor relative to at least one of the second magnets. The rotor may be configured to produce an averaging effect similar to that achieved through traditional skewing of rotor magnets. The rotor includes a plurality of poles defined by respective pole axes in the rotor and may be configured to reflect radial asymmetry between poles (pole-to-pole) and/or radial asymmetry within a pole.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3537/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 28/06/2013

(54) Title of the invention : SYSTEM FOR A HEAT BALANCED FCC FOR LIGHT HYDROCARBON FEEDS

(51) International classification :C10G11/00

(31) Priority Document No :12/762,047

(32) Priority Date :16/04/2010

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

(86) International Application No :PCT/US2011/032618

Filing Date :15/04/2011

(87) International Publication No :WO 2011/130590

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)KELLOGG BROWN & ROOT LLC

Address of Applicant :601 Jefferson Avenue, Houston, TX

77002 United States of America

(72)Name of Inventor :

1)NICCUM, Phillip K.

(57) Abstract :

Catalyst regenerators and methods for using same. The regenerator can include a regenerator housing containing a dense phase catalyst bed for receiving a catalyst to be regenerated. A heater can be disposed in the regenerator and can have a fuel nozzle configured to eject a mixture of fuel and an oxygen-lean gas for combustion to supplement the heat to satisfy the reactor heat demand when a light feedstock cracked that may not provide sufficient coke formation on the catalyst to fully satisfy the reactor heat demand.

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

AMENDMENT UNDER SEC.57 (CHENNAI)

An application for amendment filed for the change in the name of Address for service in respect of Patent No. 247946 (458/CHE/2005) is J. Bhuvaneswari (IN/PA-1414), New No.22/Old/NO.30, Venkatraman street, T. Nagar, Chennai-60017.

An application Request Leave to amend the application/complete specification with respect to application for Patent No. 247946 (458/CHE/2005) with highlighted copies filed in this office.

Any person interested may at any time within three months from the date of the publication give notice on Form-14 to the Controller of Patents, if any, at the appropriate Office.

**PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR
RESTORATION OF PATENTS (KOLKATA)**

**Notice is hereby given that application for restoration of under mentioned Patents have been allowed and
said Patents are restored.**

Se ri al N o.	Application Nos.	Patent No.	Applicants	Title	Date of Publicatio n U/R.84(3)	Appropri ate Office
1.	IN/PCT/2001/252/ KOL	203282	SHELL SOLAR GMBH	A METHOD OF FABRICATING A THIN FILM COMPONENT	15/03/2013	Kolkata
2.	213/KOLNP/2004	237039	EVERGREEN SOLAR INC.	METHOD AND APPARATUS FOR DOPING SEMICONDUCTORS	15/03/2013	Kolkata
3.	422/CAL/1996	187842	UNIVERSITE DE SHERBROOKE	A DEVICE FOR CONDUCTING A DEPTH-FIRST SEARCH IN A CODEBOOK FOR ENCODING A SOUND SIGNAL	15/03/2013	Kolkata
4.	137/KOL/2003	208117	MACTAGGART SCOTT (HOLDINGS) LIMITED	JET BLAST DEFLECTOR AND METHOD OF CHANNELING OF EFLUX GENERATED BY A JET ENGINE	04/12/2009	Kolkata
5.	556/CAL/1995	183505	INDRAJIT DASGUPTA	A MICRO PROCESSOR BASED CONTRLER FOR SOLAR POWER MASS COMMUNICATION APPARATUS	23/07/2010	Kolkata
6.	526/KOLNP/2005	221020	DEGUSSA AG	AN AQUEOUS HYDROGEN PEROXIDE SOLUTION AND A PROCESS FOR PREPARING THE SAME	08/06/2012	Kolkata
7.	1698/KOLNP/2004	239549	DEPARTMENT OF HEALTH AND HUMAN SERVICES	ANTI TUBERCULAR DRUG COMPOSITIONS AND METHODS	15/03/2013	Kolkata
8.	633/KOLNP/2005	212727	CEPHALON, INC.	NOVEL PHARMACEUTICAL FORMULATIONS OF MODAFINIL	08/05/2009	Kolkata
9.	610/KOL/2005	222135	NRIPENDRA NATH TALUKDAR & DIBAKAR CHANDRA DEKA	A METHOD FOR ISOLATION OF POTASSIUM CARBONATE FROM BANANA PLANTS	01/07/2011	Kolkata

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	186425	1871/DEL/1997	04/07/1997		AN IMPROVED PROCESS FOR THE PREPARATION OF 4-(N-METHYL AMINO SULFONYLMETHYL) ANILINE	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH		DELHI
2	256478	4339/DELNP/2005	25/03/2004	27/03/2003	INSULIN PUMP	ENTER TECH CO., LTD., LEE, KYUNG-HO, GREENWILL CO., LTD.	31/08/2007	DELHI
3	256480	498/DELNP/2007	21/06/2005	21/06/2004	AN INTEGRAL IN-LINE DRIPPER	NETAFIM LTD	17/08/2007	DELHI
4	256481	5460/DELNP/2007	19/01/2005	21/01/2005	ANTIBIOTIC 107891 AND PROCESS FOR PRODUCING THE SAME	Sentinella Pharmaceuticals, Inc. (Sentinella)	17/08/2007	DELHI
5	256489	7216/DELNP/2006	13/05/2005	14/05/2004	SUPPORT-COLOURING MEANS	LUC DOUBLET, DOUBLET	24/08/2007	DELHI
6	256497	577/DELNP/2007	08/07/2005	21/07/2004	GAS-BARRIER NANOCOMPOSITE COMPOSITION AND ARTICLE USING THE SAME	LG CHEM, LTD	17/08/2007	DELHI
7	256499	3198/DELNP/2007	19/10/2005	10/11/2004	CLEAR, TWO-PHASE, FOAM-FORMING AEROSOL HAIRSTYLING PRODUCT	WELLA AKTIENGESELLSCHAFT	31/08/2007	DELHI
8	256503	2163/DELNP/2004	20/01/2003	25/01/2002	METHOD FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A FLUID STREAM	ECONOVA INC.	06/04/2007	DELHI
9	256504	6836/DELNP/2006	09/05/2005	07/05/2004	COMPRESSION IGNITION ENGINE AND METHOD OF OPERATING A COMPRESSION IGNITION ENGINE	STATOIL ASA	31/08/2007	DELHI
10	256508	9633/DELNP/2007	15/05/2006	24/05/2005	PREPARATION OF (S)-4-FLUOROMETHYL-DIHYDRO-FURAN-2-ONE	F. HOFFMANN-LA ROCHE AG	18/01/2008	DELHI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256471	2647/MUMNP/2008	18/06/2007	27/06/2006	PROCESS FOR CONVERTING PRIMARY AMIDOALCOHOLS TO AMIDOCARBOXYLIC ACIDS IN HIGH YIELD	HINDUSTAN UNILEVER LIMITED	20/03/2009	MUMBAI
2	256475	1210/MUMNP/2010	05/12/2008	07/12/2007	TRICYCLIC TRIAZOLIC COMPOUNDS	LABORATORIOS DEL DR. ESTEVE S.A.	29/10/2010	MUMBAI
3	256476	IN/PCT/2002/00573/MUM	22/11/2000	24/11/1999	IMPROVED TRANSDERMAL CONTRACEPTIVE DELIVERY SYSTEM	AGILE THERAPEUTICS, INC.,	28/02/2004	MUMBAI
4	256479	917/MUM/2006	12/06/2006		A BIOCIDES CARTRIDGE	HINDUSTAN UNILEVER LIMITED	15/08/2008	MUMBAI
5	256492	496/MUMNP/2008	02/08/2006	12/09/2005	ELASTIC BOTTLE TEAT	MAPA GMBH GUMMI-UND PLASTIKWERKE	27/06/2008	MUMBAI
6	256493	2125/MUM/2007	26/10/2007	28/10/2006	SUPERSTRUCTURE FOR A FOLDING EQUIPMENT OF A WEB OFFSET PRINTING MACHINE	MAN ROLAND AG	05/06/2009	MUMBAI
7	256498	1675/MUM/2007	31/08/2007	26/09/2006	WINDING MACHINE	OERLIKON TEXTILE GMBH & CO. KG	03/07/2009	MUMBAI
8	256501	1000/MUMNP/2007	30/11/2005	30/11/2004	AN INSERT FOR A CLAMPING ELEMENT	STRYKER TRAUMA SA	24/08/2007	MUMBAI
9	256502	1197/MUMNP/2006	06/04/2005	06/04/2004	METHOD FOR MANUFACTURING LOAD-CARRYING ELEMENTS	SUOMEN KUITULAVA OY	08/06/2007	MUMBAI
10	256509	1604/MUM/2005	21/12/2005	30/12/2004	DEVICE ,EQUIPMENT AND METHOD FOR THE MANUFACTURE OF CLEANSING ARTICLES WITH A FLOWING MASS AND HAVING COMPLEX SHAPES	HINDUSTAN UNILEVER LIMITED	06/07/2007	MUMBAI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256472	2262/CHENP/2008	06/10/2006	07/10/2005	DEVICE FOR PREPARING INFUSED LIQUID	CENSE D'ALMEZ S.A.	06/03/2009	CHENNAI
2	256473	2188/CHENP/2008	03/10/2006	03/10/2005	LITHOGRAPHIC PRINTING METHOD	TOYO INK MFG. CO., LTD.	06/03/2009	CHENNAI
3	256474	659/CHE/2006	10/04/2006	12/04/2005	FLAT KEY AND CYLINDER LOCK	EVVA-Werk Spezialerzeugung von Zylinder-und Sicherheitsschlossern Gesellschaft m.b.H. & Co. Kommanditgesellschaft	15/06/2007	CHENNAI
4	256484	821/CHENP/2007	26/08/2005	27/08/2004	A MANUFACTURING SYSTEM FOR PRODUCING POLYOLEFIN	CHEVRON PHILLIPS CHEMICAL COMPANY LP	24/08/2007	CHENNAI
5	256485	1200/CHENP/2007	25/08/2005	23/09/2004	A FLUID COMPOSITION	DOW GLOBAL TECHNOLOGIES , LLC	31/08/2007	CHENNAI
6	256494	2239/CHENP/2006	22/11/2004	21/11/2003	METHOD OF PROVIDING A BACK UP FOR NETWORK DEVICES	AVAYA CANADA CORP.	08/06/2007	CHENNAI
7	256500	3465/CHENP/2006	17/03/2005	23/03/2004	METHOD FOR OPTIMALLY SIZING CELLS OF A CENTRIFUGAL PARTITION CHROMATOGRAPHY DEVICE	INSTITUT FRANCAIS DU PETROLE, UNIVERSIT Y OF NANTES	15/06/2007	CHENNAI
8	256505	1599/CHENP/2008	13/09/2006	13/09/2005	A METHOD AND SYSTEM FOR DYNAMIC OPTIMIZATION OF A CHEMICAL PROCESS	ROCKWELL AUTOMATION TECHNOLOGIES	28/11/2008	CHENNAI
9	256506	2558/CHENP/2008	22/11/2006	23/11/2005	PROCESS FOR PREPARING VINYL CARBOXYLATES	BASF SE	03/06/2009	CHENNAI
10	256507	598/CHE/2004	23/06/2004		IMPROVED PROCESS FOR THE CHEMICAL SYNTHESIS OF S-ADENOSYL-L-METHIONINE WITH ENRICHMENT OF (S,S)-ISOMER	M/S. ORCHID CHEMICALS & PHARMACEUTICALS LTD.,	22/06/2007	CHENNAI
11	256513	4204/CHENP/2008	08/02/2007	14/02/2006	PROCESS FOR DISTILLATIVELY SEPARATING MIXTURES COMPRISING MONOETHYLENE GLYCOL AND DIETHYLENETRIAMINE	BASF SE	13/03/2009	CHENNAI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256470	1379/KOLNP/2006	08/12/2004	12/12/2003	ALPHA-KETOAMIDE DERIVATIVE, AND PRODUCTION METHOD AND USE THEREOF	SENJU PHARMACEUTICAL CO., LTD.	04/05/2007	KOLKATA
2	256477	788/KOLNP/2009	13/09/2006	13/09/2006	A METHOD OF HEAT TREATMENT FOR PRODUCING A SHAFT FOR COMPRESSORS FROM A SHAFT MATERIAL	SIEMENS AKTIENGESELLSCHAFT	15/05/2009	KOLKATA
3	256482	168/KOLNP/2004	02/08/2002	02/08/2001	A METHOD OF PRODUCING AN IRON ORE BRIQUETTE	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, ROBE RIVER MINING COMPANY PTY LTD.	31/03/2006	KOLKATA
4	256483	3973/KOLNP/2007	04/04/2006	18/04/2005	ANTI-INFLAMMATORY AND/OR ANALGESIC COMPOSITION FOR THE INTESTINE COMPRISING BRANCHED MALTODEXTRINS	ROQUETTE FRERES	02/01/2009	KOLKATA
5	256486	4197/KOLNP/2007	11/05/2006	11/05/2005	PROCESS FOR REFINING HEAVY HYDROCARBON CRUDE OIL HAVING SULFUR	SAUDI ARABIAN OIL COMPANY, ARAMCO SERVICES COMPANY	15/02/2008	KOLKATA
6	256487	1812/KOLNP/2007	02/11/2005	31/12/2004	SCHEDULING METHOD OF A TRANSMITTER AND SCHEDULING APPARATUS IN A MULTICARRIER COMMUNICATION SYSTEM	SAMSUNG ELECTRONICS CO. LTD.	10/08/2007	KOLKATA
7	256488	1638/KOLNP/2006	18/03/2005	19/03/2004	AN ORGANIC COMPOUND AND AN ORGANIC LIGHT EMITTING DEVICE COMPRISING SAID ORGANIC COMPOUND LAYERS DISPOSED BETWEEN ELECTRODES	LG CHEM, LTD.	11/05/2007	KOLKATA

8	256490	4875/KOLNP/2007	06/03/2007	14/04/2006	ANTENNA	MURATA MANUFACTURING CO., LTD.	02/01/2009	KOLKATA
9	256491	367/KOL/2006	21/04/2006	19/05/2005	A KEYPAD ASSEMBLY	SAMSUNG ELECTRONICS CO. LTD.	22/06/2007	KOLKATA
10	256495	1295/KOL/2006	29/11/2006		A SYSTEM TO CONTROL CARBONISATION OF COKE BY PREDICTING READY OVEN TEMPERATURE OF COKE OVEN DURING COKING PROCESS	TATA STEEL LIMITED	10/04/2009	KOLKATA
11	256496	1374/KOLNP/2006	17/12/2004	18/12/2003	APPARATUS AND METHOD FOR ESTIMATING STATE OF CHARGE OF BATTERY USING NEURAL NETWORK	LG CHEM, LTD.	04/05/2007	KOLKATA
12	256510	39/KOL/2007	11/01/2007		AN IMPROVED METHOD OF COLD WIRE ADDITION IN LONG STEM BUTT WELDING OF PRESSURE VESSELS	BHARAT HEAVY ELECTRICALS LIMITED	25/07/2008	KOLKATA
13	256511	1952/KOLNP/2006	20/01/2005	21/01/2004	CASTING MACHINE	YAMAHA HATSUDOKI KABUSHIKI KAISHA	18/05/2007	KOLKATA
14	256512	1416/KOLNP/2006	29/03/2004	24/11/2003	AN ELEVATOR	KONE CORPORATION	04/05/2007	KOLKATA
15	256514	1957/KOLNP/2006	13/01/2005	16/01/2004	METHOD AND DISTRIBUTOR FOR OBTAINING AN EVEN TRANSVERSE DISTRIBUTION AND PROPAGATION OF A FLOWING MEDIUM	METSO PAPER, INC.	18/05/2007	KOLKATA

CONTINUED TO PART- 3