(21) 561260 (22) 19 Dec 2007 (23) 17 Dec 2008
(54) Vehicle competition implementation system
(51) IPC2010.01:G06F17/60; G06F165:00; B64C39/02; G06F17/10; G06T15/00; G06F17/40
(60) 561260
(71) IVO Research Limited
(72) Fry, Robert Eric; NEWPORT, PETER ROLAND;
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A set of computer executable instructions configured to calculate penalties for a vehicle pilot navigating a competition course which incorporates at least one virtual obstacle, is disclosed. The set of instructions is configured to execute the steps of:
a) receiving a vehicle location identifier associated with the present position of the pilot's vehicle,
b) comparing a volumetric model of the vehicle positioned according to the vehicle location identifier with a collision region associated with at least one virtual obstacle of the competition course,
c) assigning at least one penalty to the pilot of the vehicle if the vehicle's location intercepts with the collision region of an obstacle, and
d) repeating steps a) through c) as the pilot navigates the competition course and the position of the vehicle changes, where the penalty is a dynamic reconfiguration of the competition course.
Divisional filed as 573751

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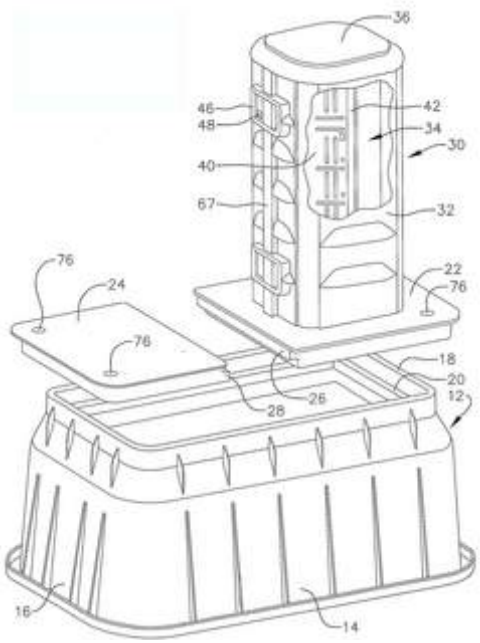
(21) 561339 (22) 9 Mar 2006
(54) Enclosure system for underground utility connections
(86) PCT/US2006/008605 (87) WO2006/096839
(51) IPC2010.01:H02G3/18
(71) CHANNELL COMMERCIAL CORPORATION
(72) Burke, Edward J; Gwillim, Robert; Carper, Paul;
(31) 05 659846 (32) 9 Mar 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) An underground utilities enclosure and distribution assembly comprising a grade level box 12 adapted for installation below ground and having an upper opening facing an interior region for containing a below-ground electrical utility cable, a removable split cover plate adapted for mounting to the opening in the grade level box 12 to close off the interior region thereof from the environment, the split cover plate comprising a pedestal mounting section 22 and a separate cover section 24, each section of the cover plate having a traction surface, and a pedestal housing 32, the pedestal mounting section 22 further comprising a base, a plug opening in the base for access to the interior region of the grade level box 12, and a plug that removably mounts in the plug opening for closing off the interior region of the grade level box 12 from the environment, the plug having a traction surface contiguous with the traction surface of the pedestal mounting section 22, the plug removable from the plug opening to provide access between the inside of the grade level box 12 and an interior region inside the pedestal housing 32, the plug further having a configuration that matches the configuration of the plug opening, the plug opening configuration adapted to match a configuration at a base of the pedestal housing 32 to facilitate mounting the pedestal housing 32 above the plug opening to position the pedestal housing 32 above-ground for use in receiving electrical connections to a utility cable contained in the grade level box 12 and brought above-ground level inside the pedestal housing 32.



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(21) 561342 (22) 18 Oct 2001
(54) Simultaneous quantification of nucleic acids in diseased cells
(51) IPC2010.01:C12Q1/68
(71) PHARMASSET, INC.
(72) Stuyver, Lieven; Otto, Michael J;
(31) 00 241488 (32) 18 Oct 2000 (33) US
(31) 00 256067 (32) 15 Dec 2000 (33) US
(31) 01 282156 (32) 6 Apr 2001 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Provided is a process for identifying a compound which inhibits viral replication, said process comprising: contacting nucleic acids, from a sample from a virus infected host that has been treated with the compound, with an amplification reaction mixture comprising a first and a second primer pair, probe, or primer pair and probe that provide detectable signals during a polymerase chain reaction, wherein the first primer pair, probe, or primer pair and probe provides a first detectable signal on the occurrence of the transcription of viral nucleic acids; and the second primer pair, probe, or primer pair and probe provides a second detectable signal on the occurrence of the transcription of host nucleic acids; said process further comprising normalizing the first detectable signal to the second detectable signal and comparing the normalized first detectable signal from a virus infected host that has been treated with the compound to a similarly normalized first detectable signal from a virus infected host that has not been treated with the compound, in order to assess the ability of the compound to inhibit viral replication.
Divisional filed as 575481

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(21) 561361 (22) 10 Feb 2006
(54) GIP hybrid polypeptides with at least two hormonal activities
(86) PCT/US2006/005020 (87) WO2006/086769
(51) IPC2010.01:C07K14/575; A61K38/22; A61P3/00
(71) AMYLIN PHARMACEUTICALS, INC.
(72) Levy, Odile Esther; Hanley, Michael R; Jodka, Carolyn M; Lewis, Diana Y; Soares, Christopher J; Ghosh, Soumitra S; D'Souza, Lawrence J; Parkes, David G; Mack, Christine M; Srivastava, Ved; Janssen, Samuel; Baron, Alain D; Young, Andrew A; Pittner, Richard A; Erickson, Mary;
(31) 05 652662 (32) 11 Feb 2005 (33) US
(31) 05 651647 (32) 11 Feb 2005 (33) US

(31) 05 653433 (32) 15 Feb 2005 (33) US
(31) 05 707244 (32) 11 Aug 2005 (33) US
(31) 05 707369 (32) 11 Aug 2005 (33) US
(31) 05 709320 (32) 17 Aug 2005 (33) US
(31) 05 709316 (32) 17 Aug 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed is a GIP hybrid polypeptide exhibiting at least two hormonal activities, said hybrid polypeptide comprising a first bio-active peptide hormone module covalently linked to at least one additional bio-active peptide hormone module; wherein:
the bio-active peptide hormone modules are independently selected from the group consisting of: component peptide hormones, fragments of component peptide hormones that exhibit at least one hormonal activity of the component peptide hormones, analogs and derivatives of component peptide hormones that exhibit at least one hormonal activity of the component peptide hormones, and fragments of analogs and derivatives of component peptide hormones that exhibit at least one hormonal activity of the component peptide hormones;
the component peptide hormone of the first bio-active peptide hormone module is a GIP;
the component peptide hormone of the at least one additional bio-active peptide hormone modules are independently selected from the group consisting of: amylin, adrenomedullin (ADM), calcitonin (CT), calcitonin gene related peptide (CGRP), intermedin, cholecystokinin ("CCK"), leptin, peptide YY (PYY), glucagon-like peptide·1 (GLP-I), glucagon-like peptide 2 (GLP-2), oxyntomodulin (OXM), a natriuretic peptide, a urocortin family peptide, a neuromedin family peptide, exendin-3, and exendin-4; and
at least both of the bio-active peptide hormone modules exhibits at least one hormonal activity of its component peptide hormone.
The hybrid polypeptides are useful as agents for the treatment and prevention of metabolic diseases and disorders, for example those which can be alleviated by control plasma glucose levels, insulin levels, and/or insulin secretion, positive inotropic effects, reduction of catabolic effects, slowing of gastric emptying. Such conditions and disorders include, but are not limited to, hypertension, dyslipidemia, cardiovascular disease, eating disorders, critical care, insulin-resistance, obesity, and diabetes mellitus of any kind, including type 1, type 2, and gestational diabetes
Divisional filed as 582712

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(21) 561400 (22) 10 Mar 2006
(54) Controlled release formulations of octreotide
(86) PCT/US2006/008891 (87) WO2006/099288
(51) IPC2010.01:A61K9/50; A61K38/08
(71) Endo Pharmaceuticals Solutions Inc.
(72) Kuzma, Petr; Decker, Stephanie;
(31) 05 660930 (32) 11 Mar 2005 (33) US
(74) Pizzeys Patent and Trade Mark Attorneys, Level 2, Woden Plaza Offices, Woden Town Square, Woden, ACT 2606, Australia
(57) An implant comprising a hydrogel, octreotide, and a hydrophilic excipient is disclosed, wherein:
said octreotide is contained within said hydrogel which comprises a copolymer obtained from the copolymerization of a mixture comprising at least two hydrophilic, ethylenically unsaturated monomers; said implant contains from about 20 to about 150 milligrams of octreotide, in free form or salt form; said implant provides an in vivo average steady state concentration (Css) of about 0.1 ng/ml to about 9 ng/ml of octreotide in a patient over a period of at least about two months; and said hydrophilic excipient is selected from the group consisting of dextran, an hydroxyalkyl cellulose, albumin, and tocopherol propylene glycol succinate. These implants are suitable for subcutaneous administration for the treatment of acromegaly or symptoms associated with acromegaly in a patient in need thereof.

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(21) 561570 (22) 16 Mar 2006
(54) Three-dimensional motion capture
(86) PCT/US2006/009787 (87) WO2006/099589
(51) IPC2010.01:G03B17/00; G06T17/00
(71) Lucasfilm Entertainment Company Ltd.
(72) Sullivan, Steve; Davidson, Colin;
(31) 05 662973 (32) 16 Mar 2005 (33) US
(74) Pizzeys Patent and Trade Mark Attorneys, Level 2, Woden Plaza Offices, Woden Town Square, Woden, ACT 2606, Australia
(57) Disclosed is a motion capture apparatus comprising a support structure configured to be affixed to an object whose motion is to be tracked using one or more cameras. The support structure has a plurality of motion capture marks and is of sufficient rigidity that, in response to movement by the object, the marks on the support structure maintain substantially fixed distances from each other. Further disclosed is a motion capture system incorporating at least one of the apparatus and a computer system, where the motion capture marks on the apparatus are associated with a virtual skeleton. The orientation of the skeleton is then determined by receiving a frame from the cameras and aligning the motion capture marks with the virtual marks.
Divisional filed as 581496

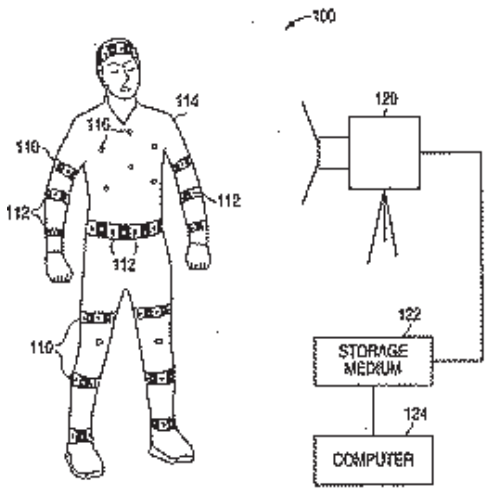

FIG. 1

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(21) 561741 (22) 7 Mar 2006
(54) High Alcohol content foaming compositions with silicone-based surfactants
(86) PCT/CA2006/000320 (87) WO2006/094387
(51) IPC2010.01:A01N25/16; A01N31/02; A01N55/10; C11D17/00; C11D3/48
(71) Deb Worldwide Healthcare Inc.
(72) Koivisto, Bruce Michael; Fernandez de Castro, Maria Teresa; Munoz, Francisco;
(31) 05 658580 (32) 7 Mar 2005 (33) US
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) Disclosed is a foamable composition, comprising; C1-4 alcohol, or mixtures thereof, present in an amount of at least 40% v/v of the total composition; a foaming agent comprising a physiologically acceptable silicone-based surfactant comprising a lipophilic chain containing a silicone backbone, for foaming present in an amount of at least 0.01% by weight of the total composition, said foaming agent being selected so that upon being dispensed from a dispenser the foamable alcohol composition is mixed with air to form a foam; and water present in an amount to balance the total composition to 100% by weight.

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(21) 561848 (22) 13 Feb 2006
(54) N protein mutants of porcine reproductive and respiratory syndrome virus
(86) PCT/IB2006/000376 (87) WO2006/129139
(51) IPC2010.01:C07K14/08; A61K39/12; C12N7/00,04
(71) PFIZER PRODUCTS INC.

(72) Yoo, Dongwan; Lee, Changhee; Calvert, Jay Gregory; Welch, Siao-Kun;
(31) 05 656523 (32) 25 Feb 2005 (33) US
(31) 05 730663 (32) 27 Oct 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed is a pharmaceutical composition comprising a porcine reproductive and respiratory syndrome (PRRS) infectious agent selected from the group consisting of:
a) a genetically modified PRRS virus comprising an N protein which has been modified in the NLS-2 region, such that the pat4, pat7 or pat8 motif has been interrupted by a deletion of one or more amino acids or by introduction of a nonconservative amino acid substitution, and wherein the genetically modified PRRS virus is attenuated;
b) an infectious RNA molecule encoding the genetically modified PRRS virus of a); and
c) an isolated polynucleotide molecule comprising a DNA sequence encoding the infectious RNA molecule of b).
Also disclosed is a vaccine comprising of said composition, a method employing said composition, a transfected host cell containing said composition.

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(21) 562204 (22) 8 Mar 2006
(54) Recombinant E-selectin made in insect cells
(86) PCT/US2006/008340 (87) WO2006/099006
(51) IPC2010.01:C07K14/78; A61K38/39
(71) NOVAVAX, INC.
(72) Smith, Gale; Pushko, Peter; Coice, Vittoria;
(31) 05 660258 (32) 10 Mar 2005 (33) US
(31) 06 369788 (32) 7 Mar 2006 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed are recombinant mammalian E-selectin peptides, nucleic acids encoding said peptides, vectors and cells having these nucleic acids and methods of producing these peptides. Also disclosed is the use of the said soluble E-selectin peptides for the manufacture of a medicament for treating an inflammation mediated disease or condition by inducing mucosal tolerance to said soluble E-selectin polypeptide.

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(21) 562284 (22) 4 Apr 2006
(54) Variants of hepatitis B virus with resistance to anti-viral nucleoside agents and applications thereof
(86) PCT/AU2006/000450 (87) WO2006/105597
(51) IPC2010.01:C12N7/01; A61K39/00; C12N15/01,36,51; C12Q1/70
(71) Melbourne Health; St. Vincent's Hospital (Melbourne) Ltd trading as St. Vincent's Hospital Melbourne; Austin Health
(72) Bartholomeusz, Angeline Ingrid; Locarnini, Stephen; Ayres, Anna; Littlejohn, Margaret; Desmond, Paul; Angus, Peter William;
(31) 05 901757 (32) 8 Apr 2005(33) AU
(31) 05 903972 (32) 26 Jul 2005 (33) AU
(74) DAVIES COLLISON CAVE - MELBOURNE, 1 Nicholson Street, Melbourne, Victoria, Australia
(57) Disclosed is an isolated Hepatitis B virus (HBV) variant comprising amino acid co-mutations within a reverse transcriptase (rt) of a DNA polymerase conferring resistance to at least two nucleoside or nucleotide analogs said co-mutations comprising an amino acid substitution, addition or deletion of an Alanine (A) at amino acid residue number 181 (rtA181), an Isoleucine (I) at amino acid residue number 233 (rtI233), an Asparagine (N) at amino acid residue number 236 (rtN236) and a Methionine (M) at amino acid residue number 250 (rtM250) of the rt of the DNA polymerase.

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(21) 562291 (22) 11 Apr 2006
(54) A variant form of urate oxidase and use thereof
(86) PCT/US2006/013502 (87) WO2006/110761
(51) IPC2010.01:C12N9/72
(71) SAVIENT PHARMACEUTICALS, INC.
(72) Hartman, Jacob; Mendelovitz, Simona;
(31) 05 670541 (32) 11 Apr 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Provided is a specified protein and DNA sequence of uricase, methods of producing it, corresponding pharmaceutical compositions and methods of manufacturing a medicament for the treatment of hyperuricemia, arthritis, tophi and renal failure.

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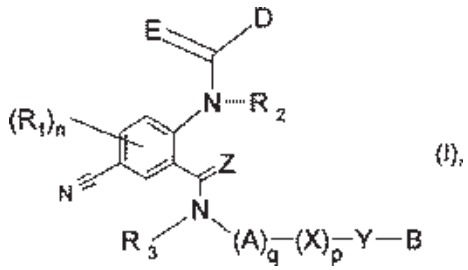
(21) 562305 (22) 18 Apr 2006
(54) Cyano anthranilamide insecticides
(86) PCT/EP2006/003504 (87) WO2006/111341
(51) IPC2010.01:C07D401/04; A01N43/56
(71) Syngenta Participations AG
(72) Jeanguenat, Andre; O'Sullivan, Anthony; Muehlebach, Michel; Trah, Stephan; Hall, Roger Graham;
(31) 05 0507989 (32) 20 Apr 2005 (33) GB
(31) 05 0525060 (32) 8 Dec 2005 (33) GB
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) The disclosure relates to cyano anthranilamide compounds of formula (I) wherein the substituents are as defined in the specification and the agrochemically acceptable salts and all stereoisomers and tautomeric forms of the compounds of formula (I). Also disclosed are pesticidal compositions comprising said compound, methods of applying said composition to pests or the environment, plant propagation material treated with these methods and a process to prepare said compound.



(I),

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(21) 562314 (22) 10 Apr 2006
(54) Compounds which inhibit beta-secretase activity and methods of use thereof
(86) PCT/US2006/013342 (87) WO2006/110668
(51) IPC2010.01:C07C233/78; A61K31/166,18; A61P25/28; C07C311/08,29; C07D207/09; C07D209/14; C07D211/26; C07D213/40,61,65,74; C07D215/12; C07D241/12
(71) CoMentis, Inc.; The Board of Trustees of the University of Illinois; Oklahoma Medical Research Foundation; Purdue Research Foundation
(72) Ghosh, Arun K; Kumaragurubaran, Nagaswamy; Liu, Chunfeng; Devasamudram, Thippeswamy; Lei, Hui; Ankala, Sudha V.; Tang, Jordan J.N.; Bilcer, Geoffrey M.; Swanson, Lisa M.;
(31) 05 669541 (32) 8 Apr 2005(33) US
(31) 05 717541 (32) 14 Sep 2005 (33) US
(74) Pizzeys Patent and Trade Mark Attorneys, Level 2, Woden Plaza Offices, Woden Town Square, Woden, ACT 2606, Australia
(57) Provided are memapsin beta-secretase inhibitors, including N1-(3-hydroxy-4-(4-methoxyphenylsulfonamido)-1-phenylbutan-2-yl)-5-(N-methylmethylsulfonamido)-N3-(1-phenylethyl)isophthalamide and related compounds. The compounds are useful for treating Alzheimer's disease and for reducing memapsin 2 catalytic activity.

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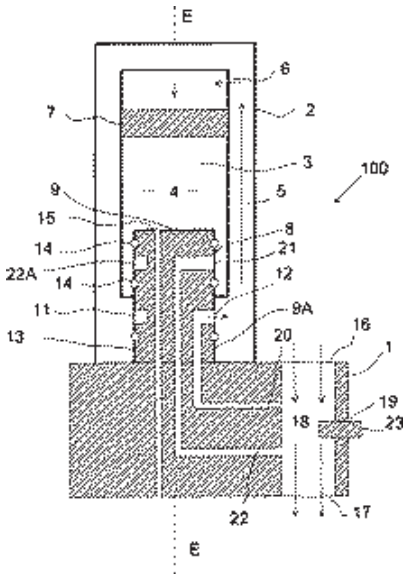
(21) 562573 (22) 16 Oct 2007 (23) 16 Oct 2008
(54) A dispenser and a method of filling a liquid additive container
(51) IPC2010.01:E03C1/046; B67D5/56; B01F3/08; G05D11/00,02,03; B67D5/54; B65D83/64; A47J31/41; G07F13/06
(71) METHVEN LIMITED
(72) Hood, Paul Stephen; Chambers, Christopher Paul; Strong, Nathan Paul;
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A dispenser has a base 1 engageable with a liquid additive container 2 by relative movement of the container toward the base along the axis E. The container has an inlet port 12 and an outlet port 21. The dispenser includes a main flow passage 18 and a flow restrictor 19 in the main flow passage. An outlet 11 in the base of the dispenser communicates with the inlet port 12 and an inlet conduit 20 connects the main flow passage with the outlet 11. An inlet 22A in the base communicates with an outlet port 21 and an outlet conduit 22 connects the main flow passage with the inlet 22A. Either one or both of the inlet 22A and the outlet 11 of the base is provided in a surface 9A of the base which is parallel to the axis E. In operation water to which the additive is to be added flows through main passage 18. The restrictor 19 increases the pressure upstream adjacent conduit 20 and decreases pressure downstream adjacent conduit 22. The pressure of the fluid upstream of the flow restrictor acts on the top surface of the piston 7 via the inlet conduit 20, outlet 11, inlet 12, outer chamber 5 and ports 6. As the piston 7 moves towards the base the liquid additive flows via the inlet 22A and the outlet conduit 22 into the low pressure zone of the main flow path downstream of the restrictor at a rate dependent on the main flow rate.

Divisional filed as 582928



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(21) 562781 (22) 24 Oct 2007 (23) 24 Oct 2008

(54) Allium transformation

(51) IPC2010.01:C12N15/82,09; A01H1/00

(71) THE NEW ZEALAND INSTITUTE FOR PLANT AND FOOD RESEARCH LIMITED

(72) Eady, Colin Charles;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Provided is a method of transforming cells from an Allium plant species with a polynucleotide of interest comprising the steps of: (i) isolating a section of leaf from the Allium plant to be transformed; (ii) co-culturing the section of leaf with Agrobacterium containing one or more suitable vectors comprising the polynucleotide of interest for a length of time sufficient to achieve transfer of the polynucleotide sequence of interest into one or more plant leaf cells; and (iii) transferring the section of leaf to a selection medium that allows for the selection of transformed Allium plant cells. Further provided are Allium plants transformed by the method.

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(21) 562796 (22) 29 Mar 2006

(54) Method of determining whether a compound is a neurotrypsin inhibitor using agrin

(86) PCT/EP2006/061152 (87) WO2006/103261

(51) IPC2010.01:C07C311/47; A61K31/63; A61P25/18; G01N33/00

(71) University of Zurich

(72) Sonderegger, Peter; Hettwer, Stefan; Bolliger, Marc F; Dreier, Birgit; Kunz, Beat; Luscher, Daniel; Reif, Raymond; Sales, Susanne;

(31) 05 05102481 (32) 30 Mar 2005 (33) EP

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed is a method for determining whether a compound is a neurotrypsin inhibitor, wherein the compound is incubated together with neurotrypsin, a variant thereof retaining the neurotrypsin activity or a fragment comprising the protease domain of neurotrypsin and with a protein or peptide comprising agrin, a variant thereof retaining the agrin activity or a fragment comprising the alpha- or the beta-cleavage site of agrin, in an aqueous buffer solution, the amount of cleavage of agrin is measured, and the compound is determined to be a neurotrypsin inhibitor if the amount of cleavage of agrin is reduced compared to a reaction in which the compound is omitted.

Divisional filed as 582465

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(21) 562819 (22) 26 Oct 2007 (23) 9 Oct 2008

(54) A method of determining and monitoring a distance travelled by a marine vessel connected to anchor

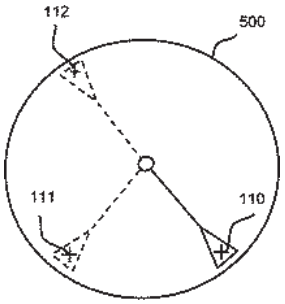
(51) IPC2010.01:B63B43/18; G01S5/00; G06F19/00; G01C21/00; G08B21/00; B63B21/22

(71) Brian Edward Michie; Bruce John Wilson

(72) Michie, Brian Edward; Wilson, Bruce John;

(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand

(57) A method is disclosed for monitoring the position of a floating object (10). The method comprises receiving as input at least a position of the floating object (10), and an orientation of the floating object. A horizontal distance (40) between the floating object and an anchor (20) coupled to the floating object is then calculated. A position of the anchor (20) is then calculated from the position of the floating object and the orientation. An area (500) is set based upon the position of the anchor, and it is determined whether a present position of the floating object is within that area. An alarm signal is provided when the present position of the floating object is outside the area.



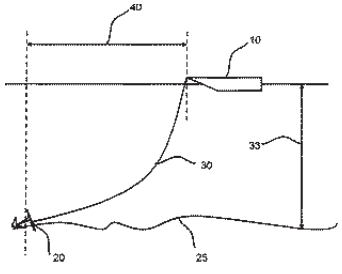


Fig. 1

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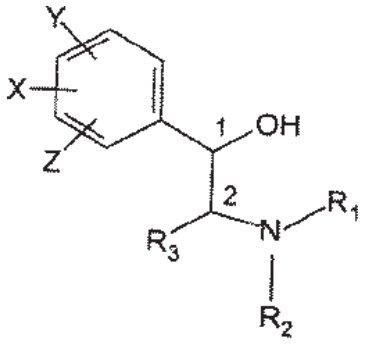
(21) 562940 (22) 12 Apr 2006

(54) Beta-2 adrenoceptor agonists for treating connective tissue diseases of the skin

(86) PCT/DK2006/050013 (87) WO2006/108424

(51) IPC2010.01:A61K31/135; A61P19/04; A61P37/00,06

(71) Astion Development A/S
(72) Weidner, Morten Sloth; Wulff, Hans Christian;
(31) 05 00529 (32) 13 Apr 2005 (33) DK
(74) F B RICE & CO, Level 23, 44 Market Street, Sydney, New South Wales 2000, Australia
(57) Disclosed is the use of a beta2-adrenoceptor agonist of formula I, or a stereoisomer or pharmaceutically acceptable salt thereof, wherein the substituents are as defined in the specification, and the carbon atom 1 is in the R-configuration, for local, topical treatment of cutaneous forms of lupus erythematosus chosen from subacute cutaneous lupus erythematosus, chronic cutaneous lupus erythematosus, discoid lupus erythematosus, lupus panniculitis, and lupus erythematosus profundus.
Also disclosed is a dermatologically administrable pharmaceutical composition comprising 0.05-5% w/w of a compound of formula I as defined above.



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(21) 562999 (22) 1 Mar 2006
(54) Method for alignment of analog and digital audio in a hybrid radio waveform
(86) PCT/US2006/007236 (87) WO2006/110229
(51) IPC2010.01:H04H20/30
(71) iBiquity Digital Corporation
(72) Iannuzzelli, Russell; Kroeger, Brian William; Chalmers, Harvey;
(31) 05 101795 (32) 8 Apr 2005(33) US
(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia
(57) Disclosed is a method of detecting time alignment of an analog audio signal and a digital audio signal in a hybrid radio system. The method comprises the steps of: filtering the analog audio signal to produce a filtered analog audio signal; filtering the digital audio signal to produce a filtered digital audio signal; and using the filtered analog audio signal and the filtered digital audio signal to calculate a plurality of correlation coefficients. The correlation coefficients are representative of time alignment between the analog audio signal and the digital audio signal.

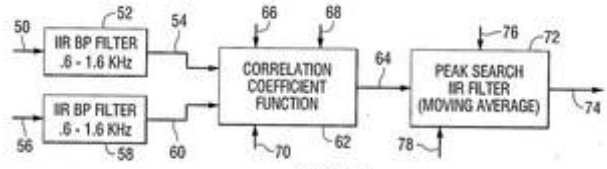

FIG. 2

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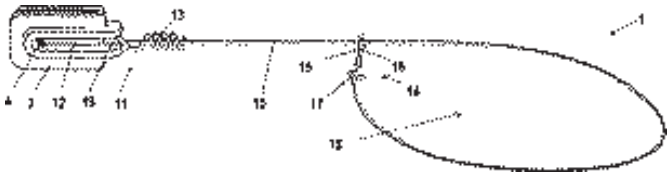
(21) 563116 (22) 2 Nov 2007 (23) 16 Oct 2008
(54) Wire connector
(51) IPC2010.01:A01K3/00; E04H17/10
(71) ROBERTSON ENGINEERING LIMITED
(72) Wooster, Maurice William;
(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand
(57) A wire connector for connecting a fence wire to a post, the wire connector including a length of wire (10) having: (i) a first engaging portion (11) at a first end of the length of wire wherein the first engaging portion is adapted to be connected to either directly or indirectly to a strand of wire of a multi-strand wire fence; (ii) a second engaging portion (14) adjacent a second end of the length of wire wherein the second engaging portion is adapted to releasably engage and retain a portion of the length of wire to form a post engaging loop (18) when the second engaging portion is engaged with the portion of the length of wire, the second engaging portion being formed by bending the second end of the length of wire back on itself to form a substantially U-shaped end portion having a free leg (15) with a wire engaging means (17) adapted to releaseably engage with another leg (16) of the U-shaped end portion so as to retain the portion of length of wire within the bend of the U-shaped end portion when the post engaging loop is formed and in order to maintain the integrity and shape of the formed post engaging loop.



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(21) 563207 (22) 3 Feb 2004
(54) Uses of anti-insulin-like growth factor I receptor antibodies
(51) IPC2010.01:A61K31/00; C07K16/28; A61K38/00; A61K39/395; A61P5/00; A61P9/10; A61P25/28; A61P35/00; A61P37/00
(71) PFIZER PRODUCTS INC.
(72) Cohen, Bruce David; Bedian, Vahe; Wang, Huifen Faye; Obrocea, Mihail; Gomez-Navarro, Jesus; Cusmano, John Daniel; Guyot, Deborah Jean; Page, Kelly Lynn;
(31) 03 447353 (32) 13 Feb 2003 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Provided is the use of a human anti-JGF-IR antibody in the manufacture of a medicament for the treatment or prevention of liver cancer to be used either alone or in combination with other agents.
Divisional filed as 582210

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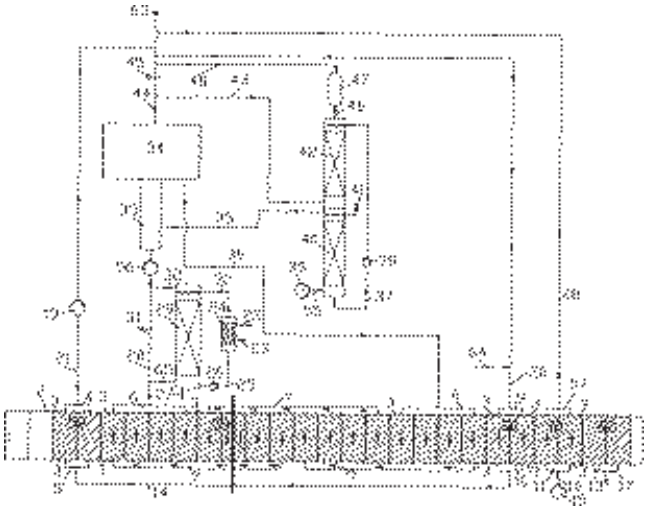
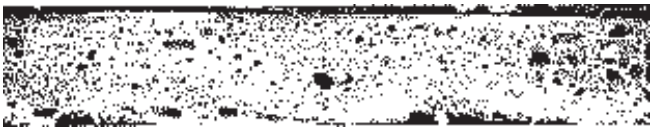
(21) 563220 (22) 3 May 2006
(54) Method and installation for pyrolisis of tyres to produce carbon black and mineral oils
(86) PCT/BG2006/000010 (87) WO2006/119594
(51) IPC2010.01:C09C1/48; C10B49/02; C10G1/10; C10B53/07
(71) Dimitar Nikolaev Kolev; Radka Borisova Ljutzkanova; Stefan Todorov Abadjiev
(72) Kolev, Dimitar Nickolaev; Ljutzkanova, Radka, Borisova; Abadjiev, Stefan, Todorov;
(31) 05 109150 (32) 9 May 2005 (33) BG
(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand
(57) Disclosed is a method for the pyrolysis of whole tires, at which they are heated to a temperature of 400-950 degrees C and pyrolise, producing pyrolysis gas, mineral oils' vapours exported with the pyrolysis gas as well as solid carbon, at the same time the mineral oils being separated at the cooling of the pyrolysis gases and the heat required for the pyrolysis being supplied by the flue gases, obtained at the burning the pyrolysis gas and the oxides obtained during the process being removed; the method being characterised with the feature, that the tires are being heated directly in cross counter flow with flue gases, which have initial temperature of 600-950 degrees C, predominantly 650-750 degrees C and are enriched with steam with concentration 15-40% (preferably 18-30%), obtaining at the same time pyrolysis gases, which are cooled down to temperature 150-300 degrees C, and after the cooling they are divided into two flows, one of them being additionally cooled to temperature 80-100 degrees C, at which part of the mineral oils contained in it

condense, after which it is mixed with the other flow of non-cooled pyrolysis gases and the obtained pyrolysis gases are burnt, only a part of the hot flue gases being used for the pyrolysis, and the remaining ones, after cooling, are cleaned from sulfur oxides and are released into the atmosphere, and the obtained solid carbon represents carbon black, suitable for use in the rubber industry. Also disclosed is an apparatus for the for pyrolysis of whole tires according to the method above, which includes a horizontal furnace channel shaped pyroliser, in which there are moving trolleys, loaded with tires and mobile screens, separating it into a zone for heating and pyrolysis and a zone for cooling of the carbon black.

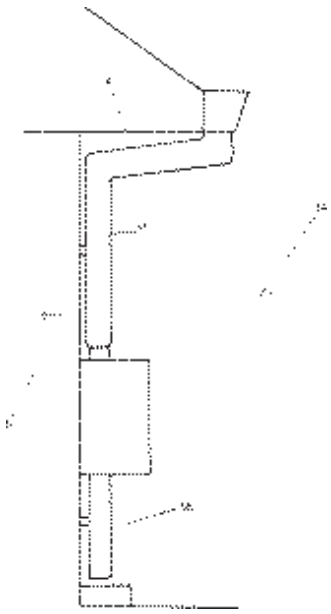


(21) 563237 (22) 13 Jun 2006
(54) Effective use of dispersants in wallboard containing foam
(86) PCT/US2006/022942 (87) WO2006/138280
(51) IPC2010.01:C04B16/08; C04B11/00; C04B28/14; C04B38/00; C04B24/14,24,32
(71) UNITED STATES GYPSUM COMPANY
(72) Liu, Qingxia; Shake, Michael P; Blackburn, David R; Hinshaw, Stewart;
(31) 05 152404 (32) 14 Jun 2005 (33) US
(31) 06 450122 (32) 9 Jun 2006 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A method of utilizing foam and dispersant in a gypsum slurry comprising mixing stucco, a first dispersant and a first quantity of water to form a gypsum slurry, blending a soap, a second dispersant and a second quantity of water to make a foam, and combining the foam with the slurry.



(21) 563273 (22) 10 Apr 2006
(54) Cathepsin S antibody
(86) PCT/GB2006/001314 (87) WO2006/109045
(51) IPC2010.01:C07K16/40; A61K39/00; C12N15/13
(71) Fusion Antibodies Ltd
(72) Scott, Christopher; Burden, Roberta; Olwill, Shane; Walker, Brian; Johnston, Jim;
(31) 05 0507219 (32) 9 Apr 2005 (33) GB
(31) 05 0507272 (32) 11 Apr 2005 (33) GB
(74) WATERMARK PATENT & TRADE MARK ATTORNEYS, Level 2, 302 Burwood Road, Hawthorn, Victoria 3122, Australia
(57) Provided is the use of an antibody or fragment thereof or a nucleic acid encoding said antibody or fragment thereof in the preparation of a medicament for the treatment of an angiogenesis-mediated disorder or condition wherein the antibody or fragment thereof binds cathepsin S and inhibits its proteolytic activity. Further provided is an antibody with specified sequence that binds cathepsin S and inhibits its proteolytic activity as well as corresponding nucleic acids and methods of producing such antibodies.

(21) 563334 (22) 9 Nov 2007 (23) 29 Oct 2008
(54) Improvements to down pipes
(51) IPC2010.01:E04D13/08; E03C1/00; E03B3/00
(71) DELTA ROOFING & MANUFACTURING LIMITED
(72) Barrett, Peter Christopher;
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) Disclosed is a down pipe for a building system and an associated method of manufacturing the down pipe. The material for fabrication of the down pipe is formed from a continuous length of seamless aluminium alloy tubing. The material is selected from a range of aluminium alloy tubing of international grade 6060 to 6090, and of "F" series to "O" series temper. The down pipe of the present invention is bendable without requiring heat treatment during the bending process. A constant wall thickness is maintained through any bent portions of the tube.



(21) 563477 (22) 28 Nov 2003
(54) Personal care formulations containing keratin
(51) IPC2010.01:A61K7/00
(71) Keratec Limited
(72) Kelly, Robert James; Roddick-Lanzilotta, Alisa Dawn;
(31) 03 524706 (32) 12 Mar 2003 (33) NZ
(31) 02 522836 (32) 28 Nov 2002 (33) NZ
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) Disclosed is a personal care formulation including a S-sulfonated keratin protein fraction. The keratin protein fraction may be intact or hydrolysed. Preferably the keratin protein fraction is from the high sulfur protein family wherein the cysteine content of the keratin protein may be about 4%.
(62) Divided Out of 540294

(21) 563479 (22) 2 Jun 2006
(54) Device for filling of a container of collapsible type
(86) PCT/SE2006/000650 (87) WO2006/132578
(51) IPC2010.01:B65B3/17; B65B39/08; B65D30/16; B65B39/00
(71) Eco Lean Research & Development A/S
(72) Gustafsson, Per; Friberg, Lennart; Forss, Stefan; Wiren, Rikard;
(31) 05 0501320 (32) 8 Jun 2005 (33) SE
(74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia
(57) A device for filling a container of a collapsible type with a product in the form of powder or liquid, the container having a compartment which is defined by flexible walls and whose volume is dependent on the relative position of the walls and which communicates with the surroundings through a filling duct of the container. The device comprises a filling tube (2) with an end portion (5) , which is insertable into the filling duct of the container to supply a product to the compartment of the container through the filling tube 2. The device further comprises an end element (4) , which is arranged in an outlet (6) of the end portion (5) and which is movable between a first position, in which the end element (4) sealingly connects to the outlet (6) , and a second position, in which the end element (4) together with the outlet (6) defines a filling passage, and a squeezing means (3) , which is adapted to grasp the end portion (5) and the filling duct when the end portion (5) is inserted into the filling duct to establish a seal between the end portion (5) and the filling duct.

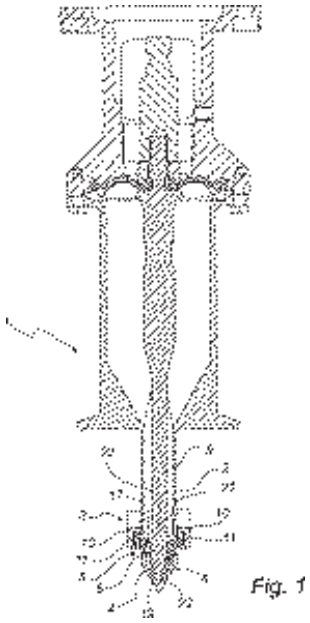


Fig. 1

(21) 563614 (22) 25 Apr 2006
(54) Safety line anchor
(86) PCT/GB2006/001491 (87) WO2006/120376
(51) IPC2010.01:A62B1/04
(71) Latchways PLC
(72) Beale, Richard Alan Frederick; Bissett, Timothy George; Jones, Karl;
(31) 05 0509852 (32) 13 May 2005 (33) GB
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) An anchor assembly for an elongate safety line is disclosed. The assembly comprises of a safety line gripping means connected to a bracket means by a releasable clamping means. The releasable clamping means comprises of a tapered clamp formed by opposed clamping surfaces defining a tapered space between them; a tapered member having profile matching the tapered space; and a clamping element urging the clamping surfaces together to clamp the tapered member between them.

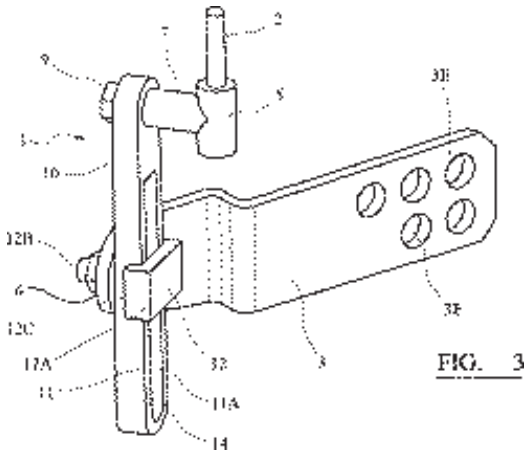
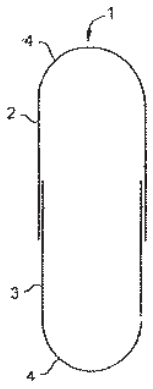


FIG. 3

(21) 563933 (22) 31 May 2006
(54) Expandable resol-type phenolic resin molding material and phenolic foam
(86) PCT/JP2006/311359 (87) WO2006/129856
(51) IPC2010.01:C08J9/14; C08K3/18; C08K5/34; C08L61/06
(71) Asahi Organic Chemicals Industry Co., Ltd.
(72) Takahashi, Hiroo; Kato, Toshiyuki; Nonaka, Takashi; Ueda, Yasuhiro;
(31) 05 161771 (32) 1 Jun 2005 (33) JP
(74) DAVIES COLLISON CAVE - MELBOURNE, 1 Nicholson Street, Melbourne, Victoria, Australia
(57) A foamable resol type phenolic resin forming material comprising a liquid resol type phenolic resin, a blowing agent, a foam stabilizer, an additive, an acid curing agent and an inorganic filler, said blowing agent comprising an organic non-reactive blowing agent and said additive comprising a nitrogen-containing bridged cyclic compound.

(21) 564067 (22) 17 May 2006
(54) Inhalator capsules
(86) PCT/EP2006/004684 (87) WO2006/122790
(51) IPC2010.01:A61K9/48
(71) Boehringer Ingelheim Pharma GmbH & Co. KG
(72) Lancesseur, Didier; Hochrainer, Dieter; Schiewe, Jorg; Zierenberg, Bernd;
(31) 05 05022862 (32) 18 May 2005 (33) DE
(74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia
(57) A capsule 1, in particular for the packaging of inhalation formulations, in which at least one cavity is enclosed by a wall 2, wherein at least one portion of the wall 2 has a polymer composition that contains at least one adsorbent.



(21) 564129 (22) 23 Jun 2006

(54) Phosphopeptide or phosphoprotein stabilised amorphous calcium complexes

(86) PCT/AU2006/000885 (87) WO2006/135982

(51) IPC2010.01:A61K8/24,64; A61Q11/00

(71) The University of Melbourne

(72) Reynolds, Eric Charles;

(31) 05 694019 (32) 24 Jun 2005 (33) US

(74) Freehills Patent & Trade Mark Attorneys, Level 43, 101 Collins Street, Melbourne, Victoria 3000, Australia

(57) Disclosed is a phosphopeptide or phosphoprotein (PP) stabilised amorphous calcium phosphate or amorphous calcium fluoride phosphate complex having a calcium ion content greater than about 30 moles of calcium per mole of PP.

Also disclosed is a method for producing the above complex, comprising obtaining a solution including a PP-ACP and/or PP-ACFP complex; and mixing with calcium and phosphate ions, while maintaining the pH of the solution at less than 7.

Also disclosed is the use of the above complex in oral care for remineralizing a dental surface or substrate, and for treating dental caries, dental erosion/corrosion, dental hypersensitivity and dental calculus.

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(21) 564181 (22) 16 Jun 2006

(54) Novel tetracyclic tetrahydrofuran derivatives containing a cyclic amine side chain

(86) PCT/EP2006/063273 (87) WO2006/134163

(51) IPC2010.01:C07D413/06,12; C07D417/12; C07D491/04,10; C07D493/04; C07D495/04; C07D405/06; A61K31/34; C07D307/93; C07D405/12,14; C07D407/12; C07D409/12,14

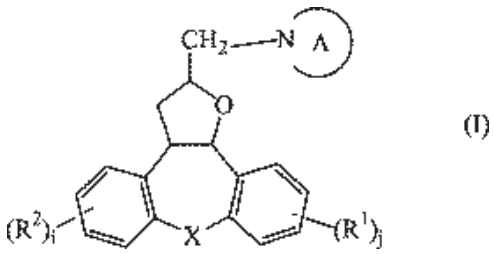
(71) Janssen Pharmaceutica N.V.

(72) Cid-Nunez, Jose Maria; Trabanco-Suarez, Andres Avelino;

(31) 05 05105398 (32) 17 Jun 2005 (33) EP

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed are substituted tetracyclic tetrahydrofuran derivatives containing a cyclic amine side chain with binding affinities towards dopamine receptors, in particular dopamine D2 receptors, towards serotonin receptors, in particular 5-HT2A and 5-HT2C receptors, and pharmaceutical compositions comprising these compounds, the use thereof as a medicine, in particular for the prevention and/or treatment of a range of psychiatric and neurological disorders, in particular certain psychotic, cardiovascular and gastrokinetic disorders and processes for their production. These compounds are represented by general formula (I) and comprise also a pharmaceutically acceptable acid or base addition salt thereof, an N-oxide form thereof or a quaternary ammonium salt thereof, wherein all substituents are defined as in the specification.



(I)

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(21) 564262 (22) 3 Jul 2006

(54) Chromosome conformation capture-on-chip (4C) assay

(86) PCT/IB2006/002268 (87) WO2007/004057

(51) IPC2010.01:C12Q1/68

(71) ERASMUS UNIVERSITY MEDICAL CENTRE

(72) Delaat, Wouter; Grosveld, Frank;

(31) 05 13676 (32) 4 Jul 2005 (33) GB

(31) 06 05449 (32) 17 Mar 2006 (33) GB

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Provided is a method for analysing the frequency of interaction of a target nucleotide sequence with one or more nucleotide sequences of interest comprising the steps of: (a) providing a sample of cross-linked DNA; (b) digesting the cross-linked DNA with a primary restriction enzyme; (c) ligating the cross-linked nucleotide sequences; (d) reversing the cross linking; (e) digesting the nucleotide sequences with a secondary restriction enzyme; (f) ligating one or more DNA sequences of known nucleotide composition to the available secondary restriction enzyme digestion site(s) that flank the one or more nucleotide sequences of interest; (g) amplifying the one or more nucleotide sequences of interest using at least two oligonucleotide primers, wherein each primer hybridises to the DNA sequences that flank the nucleotide sequences of interest; (h) hybridising the amplified sequence(s) to an array; and (i) determining the frequency of interaction between the DNA sequences. Further provided are similar methods incorporating circulized DNA.

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(21) 564311 (22) 14 Jul 2006

(54) Frequency segmentation to obtain bands for efficient coding of digital media

(86) PCT/US2006/027420 (87) WO2007/011749

(51) IPC2010.01:G10K11/16; G10L19/02

(71) MICROSOFT CORPORATION

(72) Mehrotra, Sanjeev; Chen, Wei-Ge;

(31) 05 183087 (32) 15 Jul 2005 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A method for an audio processing device to encode audio is provided. The method includes: transforming an input block of an audio signal into spectral data, where the spectral data has a baseband portion and an extended band portion; coding the baseband portion of the spectral data into an output bitstream; in the extended band portion of the spectral data, determining characteristics of spectral data; altering an initial configuration by which the extended band portion of the spectral data is segmented into a number of sub-bands based on the determined characteristics; and coding the altered configuration of sub-bands including data indicating individual sub-bands in the extended band altered from the initial configuration. A method for an audio processing device to decode a bitstream representing an audio signal is also provided. The method includes: decoding an encoded baseband from the bitstream; and decoding an encoded extended band from the bitstream. The decoding includes: receiving data including a minimum ratio sub-band size and an altered configuration of sizes of a number of variable size sub-bands; determining a smallest sub-band size in the altered configuration by dividing the smallest sub-band size in the default configuration by the minimum ratio sub-band size; and determining an actual sub-band multiplier by adding an expected sub-band multiplier to a coded difference value.

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(21) 564323 (22) 28 Jun 2006

(54) Bovine ABCG2 gene missense mutation (Y581S) and uses thereof

(86) PCT/US2006/025117 (87) WO2007/002735

(51) IPC2010.01:C12Q1/68

(71) THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS; THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION, VOLCANI CENTER

(72) Seroussi, Eyal; Lewin, Harris A; Band, Mark R; Cohen-zinder, Miri; Drackley, James K; Larkin, Denis M; Loor, Juan J; Ron, Micha; Shani, Moshe; Weller, Joel Ira;

(31) 05 694430 (32) 28 Jun 2005 (33) US

(31) 05 696294 (32) 1 Jul 2005 (33) US

(74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand

(57) Disclosed is an isolated polynucleotide comprising the coding region of the ABCG2 nucleotide sequence shown in SEQ ID NO: 183, wherein the nucleotide sequence comprises a missense mutation that encodes a substitution of tyrosine-581 to serine (Y58IS). This polymorphism is a quantitative trait locus (QTL) affecting bovine milk fat and protein concentration.

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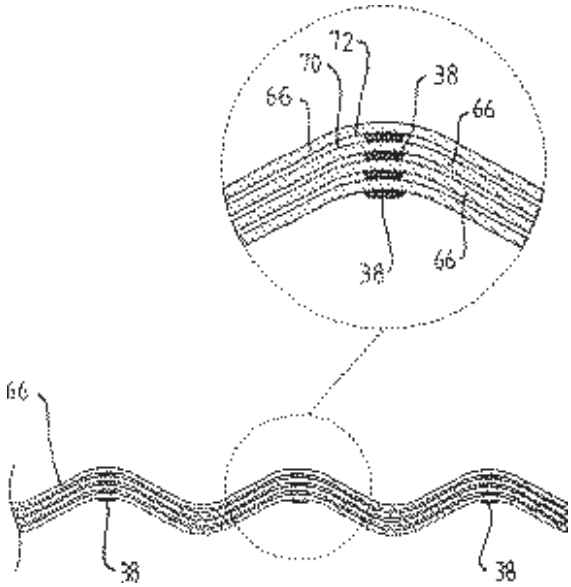
(21) 564345 (22) 14 Dec 2007
(54) An apparatus and method for the separation of stacked roof cladding elements
(51) IPC2010.01:E04C2/32,08; E04D3/30; B21D13/04; B65D85/62; B65D57/00
(71) Fielders Australia Pty Ltd
(72) Wee, Robert; Blaik, Kevin; Hosking, Graham;
(31) 06 906981 (32) 14 Dec 2006 (33) AU
(74) LESICAR PERRIN, 49 Wright Street, Adelaide, South Australia 5000, Australia
(57) An apparatus and method for separating individual stacked roofing panels during their manufacture. The apparatus/method is particularly useful where the roofing panels have been profiled and cut to size using an angled cutting machine in accordance with their position on a roof. Because adjacent panels in the resulting stack are typically of different shapes and sizes, scratching and damage may result through contact between the cut edge which may have burrs and the surface of a further panel stacked there above or there beneath. The application of a hot melt material to a surface of the panel adjacent cut edges prevents such contact.



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(21) 564375 (22) 23 Jun 2006
(54) Inactivated chimeric flavivirus vaccines and related methods of use
(86) PCT/US2006/024584 (87) WO2007/002470
(51) IPC2010.01:A61K39/12,193; C12N15/40
(71) Intervet International B.V.
(72) Sterner, Frank Jay; Goovaerts, Daniel Ghislena Emiel; Lum, Melissa Anne; Mellencamp, Mark William;
(31) 05 693629 (32) 24 Jun 2005 (33) US
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) Disclosed is an inactivated chimeric flavivirus, comprising a first flavivirus in which the nucleotide sequences encoding the pre-membrane and envelope proteins are replaced with nucleotide sequences encoding pre-membrane and envelope proteins of a second flavivirus, wherein the first flavivirus is yellow fever virus and the second flavivirus is selected from West Nile virus, Japanese encephalitis virus, St Louis encephalitis virus, Dengue virus or a combination thereof.

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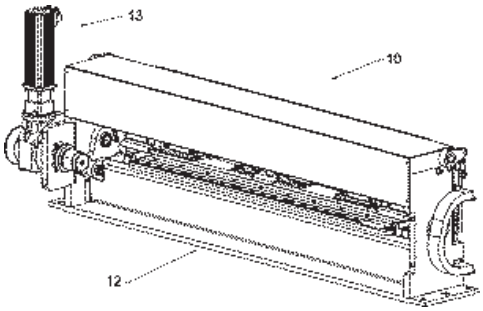
(21) 564570 (22) 18 Dec 2007 (23) 15 Dec 2008
(54) Metal folding apparatus
(51) IPC2010.01:B21D5/16; B21D11/20; B65H45/22; B21D5/01
(71) Scott Technology Limited
(72) Aimers, Richard James; Grimshaw, Bryan Gordan;
(74) ELLIS VERBOEKET TERRY, Level 12, Forsyth Barr House, Johnston Street, Wellington, New Zealand
(57) An incremental metal folding apparatus is provided. The apparatus includes a folding mechanism, a feed arrangement and a clamp arrangement. The folding mechanism is configured to move so as to tangentially fold metal stock, the feed arrangement is configured to move metal stock through the folding mechanism, and the clamp arrangement is configured to hold metal stock while it is being folded. The folding mechanism, feed arrangement and clamp arrangement are arranged to work together to perform a number of spaced incremental tangential folding operations so as to build up a fold from a number of incremental folds.



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(21) 564587 (22) 16 Apr 2004
(54) Compositions and methods relating to STOP-1
(51) IPC2010.01:C07K19/00; C12N15/12; C07K16/44; A61K39/395; C07K14/47; G01N33/574; C12N15/09; C07K16/46; G01N33/53; C12N15/63; A61K31/7088; A61P35/00
(71) GENENTECH, INC.
(72) Ackerly, Heidi; Ashkenazi, Avi; Eberhard, David; Frantz, Gretchen; French, Dorothy; Fuh, Germaine; Hongo, Jo-Anne; Lee, Chingwei; Marsters, Scot; Pitti, Robert; Raab, Helga; Soroceanu, Liliana; Varfolomeev, Evgeny; Wolf, Beni;
(31) 03 463656 (32) 16 Apr 2003 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed are antibodies that bind to amino acids 33-52 or 33-53 of human STOP-1. The disclosed antibodies bind to oligomeric forms of human STOP-1 and block STOP-1 binding to cells. Specifically described is monoclonal antibody 6B12. The antibodies disclosed are useful in the diagnosis and treatment of tumours.
Divisional filed as 582245

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(21) 564594 (22) 15 Jun 2006
(54) Clip closure system
(86) PCT/US2006/023356 (87) WO2006/138486
(51) IPC2010.01:B65B51/04
(71) POLY-CLIP SYSTEM CORP.
(72) Haschke, Eggo L;
(31) 05 690961 (32) 16 Jun 2005 (33) US
(31) 06 424251 (32) 15 Jun 2006 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A clip closure system for closing clips, each clip having a base section and first and second legs extending from opposite ends thereof, is described. The clip closure system has a rail configured to hold the clips; first and second jaws which are rotatably connected to the rail; a connector; first and second arms, the first arm being connected to the first jaw and to the connector, the second arm being connected to the second jaw and to the connector; an actuator configured to move the connector such that the first jaw rotates relative to the rail to contact and bend the first leg of the clip toward the base section of the clip, and such that the second jaw rotates relative to the rail to contact and bend the second leg of the clip toward the base section of the clip.

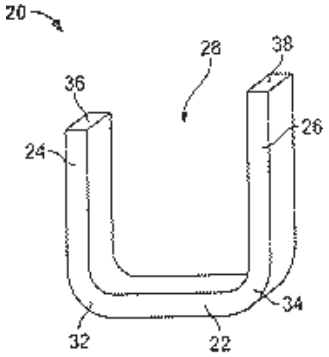

FIG. 2

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(21) 564765 (22) 19 Jun 2006
(54) Adjustable fixation clamp and method
(86) PCT/US2006/023712 (87) WO2007/001945
(51) IPC2010.01:A61B17/64; F16M13/02
(71) SYNTHES GmbH; HFSC COMPANY
(72) Lessig, Richard K; Chilton III, Robert J;
(31) 05 159064 (32) 21 Jun 2005 (33) US
(74) Shelston IP, Level 21, 60 Margaret Street, Sydney, NSW 2000, Australia
(57) An adjustable fixation clamp having first and second clamp assemblies positioned about a shaft. The clamp assemblies may each have a pair of vise plates. Each pair of vise plates may define at least two receiving portions and insertion portions intersecting the receiving portions. The receiving portions of one clamp assembly may receive at least two fixation components such as screws, pins or wires. The receiving portions of the other clamp assembly may receive at least one connector such as a rod, bar and/or ring. A biasing structure may be positioned between the first and second clamp assemblies and may allow for the fixation components to be snapped into the receiving portions through the insertion portions. Two or more adjustable fixation clamps may be used to form an external fixation system. At least two screws, pins or wires may be inserted into bone and one of the clamp assemblies may be attached thereto. A guide may be used for insertion of screws, pins or wires into bone. The other clamp assembly may be connected to a rod, bar or ring. Thereafter, the clamp assemblies may be oriented relative to each other and locked in place.

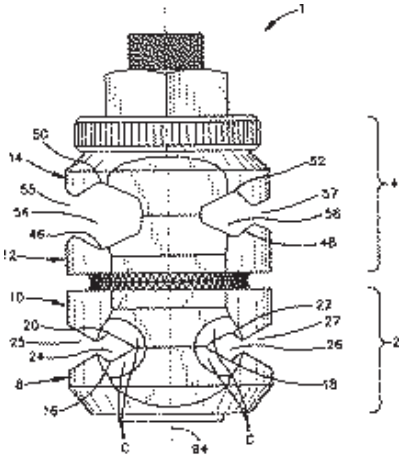

FIG. 1

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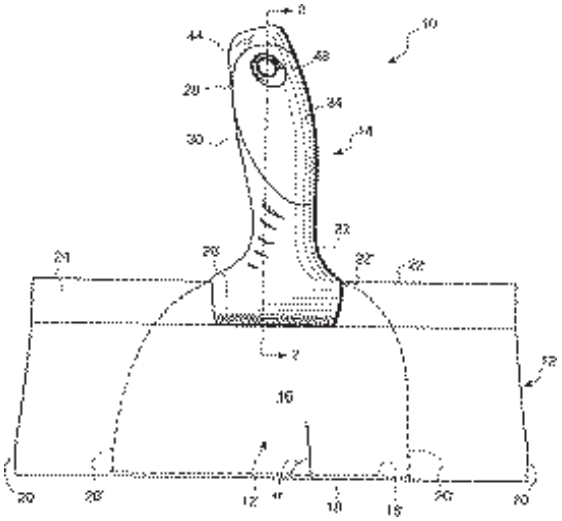
(21) 564842 (22) 5 Jun 2006
(54) Taping knife with offset handle
(86) PCT/US2006/021792 (87) WO2007/018704
(51) IPC2010.01:B05C17/10
(71) UNITED STATES GYPSUM COMPANY
(72) Bruno, Robert; Sterpka, Frank; Myers, Matthew Earle;
(31) 05 187569 (32) 22 Jul 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A taping knife has a web, a working edge, two side edges, and a handle edge opposite the working edge. The handle is connected to the blade to have an angular orientation relative to the working edge of the blade such that the handle is neither parallel nor perpendicular to the blade working edge.



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(21) 565012 (22) 19 Jun 2006
(54) Particles comprising a releasable dopant therein
(86) PCT/AU2006/000853 (87) WO2006/133519
(51) IPC2010.01:A61K9/66; A01N25/10; A61K47/02,04,34; B01F17/00; C01B33/154
(71) Australian Nuclear Science & Technology Organisation
(72) Finnie, Kim Suzanne; Barbe, Christophe Jean Alexandre; Kong, Linggen;
(31) 05 903192 (32) 17 Jun 2005 (33) AU
(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia
(57) Disclosed is a process for making particles comprising a dopant therein said dopant being releasable from the particles, the process comprising: providing an emulsion comprising a hydrophilic phase and a hydrophobic phase dispersed in the hydrophilic phase, said hydrophobic phase comprising a precursor material and the dopant; and reacting the precursor material in the presence of a catalyst to form the particles comprising the dopant therein said dopant being releasable from the particles.

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(21) 565013 (22) 19 Jun 2006
(54) Particles having hydrophobic material therein
(86) PCT/AU2006/000852 (87) WO2006/133518
(51) IPC2010.01:A01N25/10; A61K9/66; A61K47/02,04,34; B01F17/00; C01B33/154; A01P13/00
(71) Australian Nuclear Science & Technology Organisation
(72) Finnie, Kim Suzanne; Barbe, Christophe Jean Alexandre; Kong, Linggen;
(31) 05 903193 (32) 17 Jun 2005 (33) AU
(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia

(57) Disclosed is a process for preparing particles having a hydrophobic material therein, said process comprising: providing a multiple emulsion comprising a first emulsion dispersed in a hydrophobic medium, said first emulsion comprising a hydrophobic phase dispersed in a hydrophilic phase, wherein the hydrophobic phase comprises the hydrophobic material and the hydrophilic phase comprises a precursor which is capable of reacting to form a non-fluid matrix; and reacting the precursor in the multiple emulsion to form the matrix in the form of the particles having the hydrophobic material therein; wherein the precursor is added prior to formation of the multiple emulsion. Also disclosed is a use of a particle for the manufacture of a medicament for the treatment of a condition selected from the group consisting of cancer, diabetes, AIDS, hormonal dysfunction, hypertension and pain.

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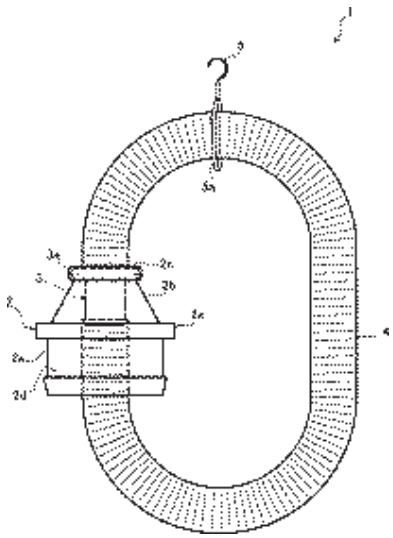
(21) 565142 (22) 8 Jun 2006
(54) Hose for transferring liquid reducing agent
(86) PCT/JP2006/311526 (87) WO2006/134826
(51) IPC2010.01:F16L31/00; B65D25/48; F01N3/08; F16L33/00,28; F16L37/02; F16L3/00
(71) NISSAN DIESEL MOTOR CO., LTD.
(72) Hoshino, Takao;
(31) 05 177480 (32) 17 Jun 2005 (33) JP
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) A pouring hose (1) has an end portion (2) fixed to an extraction opening of a tank filled with liquid reducing agent, an end portion (3) inserted into the pouring opening of a container into which the liquid reducing agent is poured, and a flexible intermediate portion (4) between the end portions (2, 3). At least one ridge (3a) is provided around the outer circumferential surface of one of the end portions and at least one groove (2c) is provided around the inner circumferential surface of the other end portion. The ridge and the groove can be engage with each other to couple both end portions, which makes the intermediate portion annular. Only changing slightly the shape of the two end portions enables the pouring hose to be stowed in an annular shape that can block entry of foreign matters into the intermediate portion.



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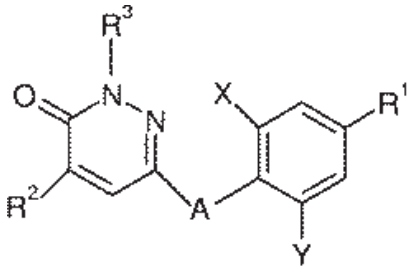
(21) 565190 (22) 11 Jul 2006
(54) Pyridazinone derivatives as thyroid hormone receptor agonists
(86) PCT/EP2006/064093 (87) WO2007/009913
(51) IPC2010.01:C07D237/14; A61K31/501; A61P5/16; C07D237/16,18; C07D403/10,12; C07D253/075; C07D257/04; A61K31/53
(71) F.HOFFMANN-LA ROCHE AG
(72) Haynes, Nancy-Ellen; Kertesz, Denis John; Pietranico-Cole, Sherrie Lynn; Qian, Yimin; Scott, Nathan Robert; So, Sung-Sau; Thakkar, Kshitij Chhabilbhai; Tilley, Jefferson Wright;
(31) 05 701215 (32) 21 Jul 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed are 1,6-dihydro-pyridazin-6-one derivatives of formula (I), or a pharmaceutically acceptable salt or ester thereof; wherein: A is O, CH2, S, SO or SO2; X and Y are each independently selected from the group consisting of Br, Cl and –CH3; R2 is alkyl; R3 is H or alkyl; and the remaining substituents are as described herein. Also disclosed are pharmaceutical compositions which comprise a compound as defined above and a pharmaceutically acceptable carrier and/or adjuvant. The use of the above compounds for the preparation of medicaments for the therapeutic and /or prophylactic treatment of metabolic diseases, obesity, hyperlipidemia, hypercholesterolemia, diabetes, NASH (non-alcoholic steatohepatitis), atherosclerosis, cardiovascular diseases, hypothyroidism, thyroid cancer and related disorders and diseases is further disclosed.



(I)

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(21) 565286 (22) 27 Jun 2006
(54) Ionic liquid reconstituted cellulose composites as solid support matrices
(86) PCT/US2006/024863 (87) WO2007/005388
(51) IPC2010.01:C08L1/00; C09D101/00; C09D189/00
(71) The University of Alabama
(72) Rogers, Robin D; Daly, Daniel T; Turner, Megan B; Spear, Scott K; Holbrey, John D;
(31) 05 694902 (32) 29 Jun 2005 (33) US
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) Disclosed is a cellulose/active substance composite, comprising a regenerated cellulose matrix, a first active substance substantially homogeneously distributed within the matrix of regenerated cellulose, a linker, and a second active substance, wherein the linker is bonded to the first and second active substances. Also disclosed is a method for preparing a cellulose/active substance composite, comprising: a) providing a composition comprising a regenerated cellulose matrix and a first active substance, wherein the first active substance is substantially homogeneously distributed within the regenerated cellulose matrix; b) contacting the first active substance with a linker to bond the linker to the first active substance; and c) contacting a second active substance with the linker to bond the linker to the second active substance, thereby providing a cellulose/active substance composite.

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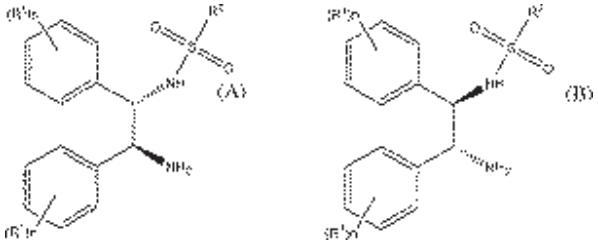
(21) 565462 (22) 21 Apr 2006
(54) Asymmetric catalytic reduction of oxcarbazepine
(86) PCT/GB2006/001473 (87) WO2007/012793
(51) IPC2010.01:C07D223/22
(71) BIAL - PORTELA & C.A., S.A.
(72) Learmouth, David Alexander; Grasa, Gabriela Alexandra; Zanotti-Gerosa, Antonio;
(31) 05 0515690 (32) 29 Jul 2005 (33) GB
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A process for preparing (S)-(+)-10,11-dihydro-10-hydroxy-5H-dibenz/b,f/azepine-5-carboxamide or (R)-(-)-10,11-dihydro-10-hydroxy-5H-dibenz/b,f/azepine-5-carboxamide, by reduction of oxcarbazepine in the presence of a catalyst and a hydride source, wherein the catalyst is prepared from a combination of [RuX2(L)]2 wherein X is chlorine, bromine

or iodine, and L is an aryl or aryl-aliphatic ligand, with a ligand of formula (A) or formula (B) wherein the substituents are described in the specification and wherein during the process a pH from 6.5 to 8 is maintained.



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(21) 565510 (22) 31 Aug 2006
(54) Liquid sulfonylurea herbicide formulations
(86) PCT/US2006/033986 (87) WO2007/027863
(51) IPC2010.01:A01N25/30; A01N43/70; A01N47/36; A01P13/02
(71) E. I. DU PONT DE NEMOURS AND COMPANY
(72) Reap, James J; Beestman, George B;
(31) 05 713518 (32) 1 Sep 2005 (33) US
(74) HOULIHAN2, Level 1, 70 Doncaster Road, Balwyn North, Victoria 3104, Australia
(57) A single liquid-phase herbicide composition comprising by weight:
(a) from 0.1 to 20% of one or more sulfonylurea herbicides;
(b) from 0 to 40% of one or more biologically active agents other than sulfonylurea herbicides;
(c) from 0.1 to 20% of one or more lignosulfonates;
(d) from 40 to 99.8% of one or more fatty acid esters of C1-C4 alkanols; and
(e) from 0 to 50% of one or more additional formulating ingredients.

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(21) 565592 (22) 20 Jul 2006
(54) Partial item change tracking and synchronization
(86) PCT/US2006/028480 (87) WO2007/021454
(51) IPC2010.01:G06F7/02
(71) MICROSOFT CORPORATION
(72) Dun, Alec C; Warren, Joseph R; Novitskey, Robert R;
(31) 05 204067 (32) 15 Aug 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A method of increasing sync rates between a client device and a server device is provided. The method comprises the step of receiving, at the server device, a request from the client device to synchronize one or more data items that have changed after a last synchronization between the server device and the client device. Each of the data items includes a number of modifiable properties divided into a plurality of property groups. Each of the data items represents a complete message.
The method further includes, in response to the request to synchronize the one or more data items that have changed after the last synchronization, the steps of:
determining, at the server device, that a first data item has changed after the last synchronization;
determining, at the server device, whether the property groups of the first data item include a modified property group, where a value of a property in the modified property group has changed since after the last synchronization; and
synchronizing, by the server device, the modified property group with the client device without streaming to the client device one or more unmodified property groups of the first data item, where none of the properties in the unmodified property groups have values changed after the last synchronization.

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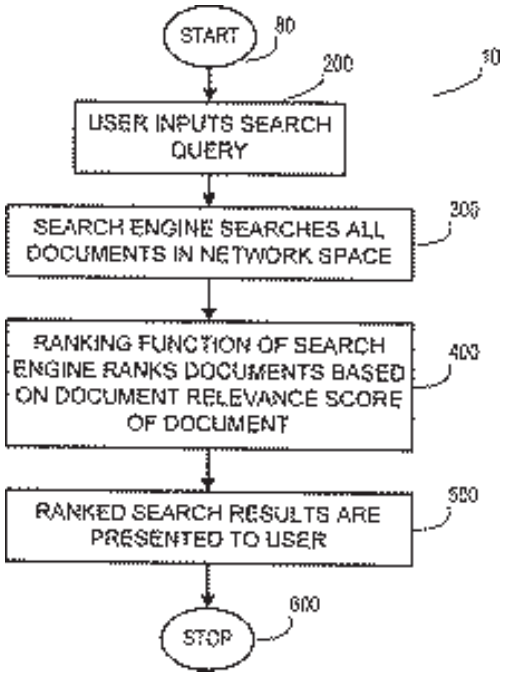
(21) 565640 (22) 15 Aug 2006
(54) Ranking search results using biased click distance
(86) PCT/US2006/031965 (87) WO2007/022252
(51) IPC2010.01:G06F17/30
(71) MICROSOFT CORPORATION
(72) Meyerzon, Dmitriy; Zaragoza, Hugo;
(31) 05 206286 (32) 15 Aug 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A computer readable storage medium having stored thereon computer executable instructions for ranking a number of documents in a network, where the computer-executable instructions when executed by the computer perform a method of generating search results in response to a search query, is provided. The method includes:
storing document information in memory, which identifies the documents in the network, the documents including authoritative documents and non-authoritative documents, the authoritative documents including at least a first authoritative document and a second authoritative document, and the non-authoritative documents including at least a first non-authoritative document;
storing link information in the memory which identifies links among the documents;
computing click distance values for each of the non-authoritative documents to the authoritative documents, which includes at least a first click distance value that is a function of a number of links that need to be followed to create a path from the first non-authoritative document to the first authoritative document and a second click distance value that is a function of a number of links that need to be followed to create a path from the first non-authoritative document to the second authoritative document;
computing biased click distance values for each of the non-authoritative documents in the network to the authoritative documents, where the biased click distance values include at least a first biased click distance value that is a function of a lesser of the first and second click distances;
receiving the search query including at least one search term;
executing the search query to generate a list of the documents that include the at least one search term, the list of the documents including an identifier of the first non-authoritative document;
ranking the list of the documents that include the at least one search term using a ranking function that includes one or more query independent components, where at least one query-independent component includes a biased click distance parameter that takes into account the biased click distance values, including the first biased click distance value; and
outputting the ranked search results according to the ranking.



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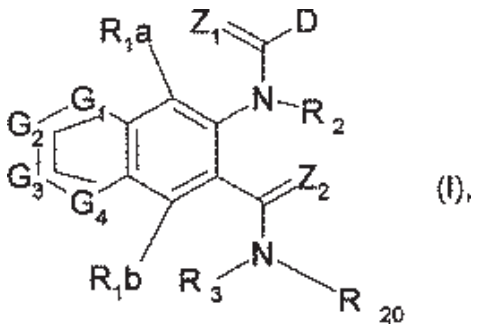
(21) 565741 (22) 14 Aug 2006
(54) Bicyclic bisamide derivatives and use thereof as insecticides
(86) PCT/EP2006/008040 (87) WO2007/020050
(51) IPC2010.01:C07D401/14; A01N43/52,56,78,832; C07D413/14; C07D417/14; A01N43/60
(71) Syngenta Participations AG
(72) Jeanguenat, Andre; Hall, Roger Graham; Loiseleur, Olivier; Trah, Stephan; Durieux, Patricia; Edmunds, Andrew; Stoller, Andre;
(31) 05 0516703 (32) 15 Aug 2005 (33) GB
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) The disclosure relates to bicyclic bisamides of formula (I), wherein the substituents are as defined in the specification and the agrochemically acceptable salts and all stereoisomeric, N-oxide and tautomeric forms. Also disclosed are pesticidal compositions comprising said compound, a method of controlling pests with said compound and process of preparing such compounds.



(I),

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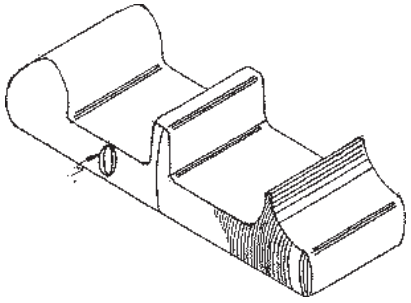
(21) 565772 (22) 8 Feb 2008
(54) Monocoque construction method for skateboards or other
(51) IPC2010.01:A63C17/01
(71) LARRY NELSON
(72) Nelson, Larry;
(74) LARRY NELSON, 6 Cleland Crescent, Naenae, Lower Hutt, New Zealand
(57) A monocoque structure using a stressed structural skin of sheet metal or other sheet material as the primary structure of a skating device, either self powered or motorised, or of a scooter, either self powered or motorised, the skin consisting very broadly of a bottom surface, with its dimension that is parallel to the direction of the skating device's or scooter's travel, in other words its length, greater than its dimension at right angles to this, in other words its width, a top surface, slightly shorter in length but of the same width, two side surfaces, two vertical end surfaces, two sloping end surfaces and a narrow raised central section, wherein the heights of the two side surfaces are forty percent or more of the width of the top and bottom surfaces and wherein the heights of the two vertical end surfaces together with the two sloping end surfaces and the height of the raised central section are seventy seven percent or more of the width of the top and bottom surfaces and with one or a plurality of pressed strengthening folds of an oval shape F, which is basically an elliptical shape, pressed into the sheet metal or other sheet material of the skin, and wherein when in the planar surfaces, that is surfaces of or relating to, in the form of, a plane, are there to prevent bending from an original and required flat plane and when in the curved surfaces are there to prevent an adverse increase in the degree of curvature bringing about a collapsing of the top surface towards the bottom surface, the pressed strengthening folds bringing about an increase in the overall strength of the skin but more importantly holding the skin correctly in station for maximum load bearing, the particular forming method of the folds eliminating the need for either stretching or shrinking of the sheet metal or other sheet material and producing an effective equivalent of a double curvature in the portion of skin contained within the bounds of the ovals without such stretching or shrinking.
(61) Addition to 534817



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(21) 565920 (22) 1 Aug 2006
(54) Improved gypsum-containing products containing alpha-hemihydrate
(86) PCT/US2006/029781 (87) WO2007/024420
(51) IPC2010.01:C04B11/00; B32B13/00; C04B28/08
(71) United States Gypsum Company
(72) Song, Weixin David; Yu, Qiang; Liu, Qiangxia;
(31) 05 213529 (32) 26 Aug 2005 (33) US
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) The disclosure relates to gypsum wallboard, made from gypsum-containing slurries having outstanding hydration rate characteristics comprising alpha-hemihydrate ground to a particular particle size distribution range and having a Blaine surface area in the range from about 3100 cm2/g to about 9000 cm2/g, alone or in combination with beta-hemihydrate. Particularly disclosed is a gypsum wallboard comprising: a set gypsum composition formed between two substantially parallel cover sheets, the set gypsum composition made using a gypsum-containing slurry comprising: water, and ground alpha-hemihydrate having a particle size distribution within the following range: d (0.1) = about 3 microns - 5 microns, d (0.5) = about 14 microns - 50 microns, d (0.9) = about 40 microns - 100 microns, and a Blaine surface area in the range from about 3100 cm2/g to about 9000 cm2/g.

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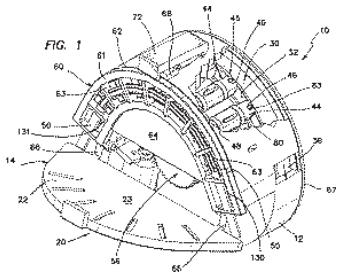
(21) 565948 (22) 25 Aug 2006
(54) Rotary axial peristaltic pumps and related methods
(86) PCT/US2006/033609 (87) WO2007/025268
(51) IPC2010.01:F04B43/12
(71) Baxter International Inc.; Baxter Healthcare S.A.
(72) Moubayed, Ahmad-Maher;
(31) 05 212931 (32) 26 Aug 2005 (33) US
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) Rotary axial peristaltic pumps, related methods and components are disclosed. The rotary axial peristaltic pump generally comprises a platen having a platen surface, a tube positioned adjacent to the platen surface, cam that rotates about a rotational axis and has a cam surface that is spaced apart from the platen surface and a plurality of tube compressing fingers. The fingers move axially back and forth in sequence to sequentially compress segments or regions of the tube against the platen surface, thereby causing peristaltic movement of fluid through the tube. The fingers move back and forth on axes that are substantially parallel to the axis about which the cam rotates.



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(21) 565994 (22) 3 Sep 2002
(54) Antibodies to non-functional P2X7 receptor, diagnosis and treatment of cancers and other conditions
(51) IPC2010.01:C07K15/28; A61K39/395; C07K14/705; A61P1/00; A61P35/00
(71) Intreat Pty Limited
(72) Gidley-Baird, Angus; Barden, Julian Alexander;
(31) 01 7430 (32) 3 Sep 2001 (33) AU
(31) 01 7431 (32) 3 Sep 2001 (33) AU
(74) Freehills Patent & Trade Mark Attorneys, Level 43, 101 Collins Street, Melbourne, Victoria 3000, Australia
(57) Disclosed is an isolated P2X7 receptor having an amino acid sequence that has at least about 70% identity to the sequence shown in Figure 1, wherein the amino acid sequence of the isolated P2X7 receptor contains a proline corresponding to proline 210 shown in Figure 1, said proline being in a cis conformation. Also disclosed is the use of said receptor for the prevention or treatment of cancer.
(62) Divided Out of 549019

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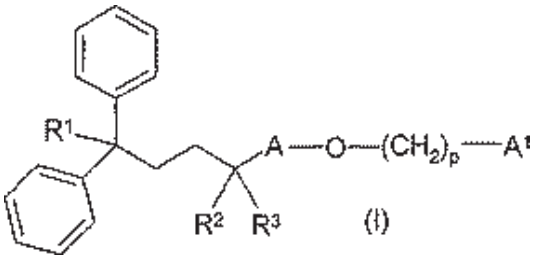
(21) 566023 (22) 1 Sep 2006
(54) Carboxamide derivatives as muscarinic receptor antagonists
(86) PCT/IB2006/002727 (87) WO2007/034325
(51) IPC2010.01:C07D207/12; A61K31/397,40,4409; A61P37/00; C07D205/04; C07D211/46; C07D413/12
(71) PFIZER LIMITED
(72) Glossop, Paul Alan; Mantell, Simon John; Strang, Ross Sinclair; Watson, Christine Anne Louise; Wood, Anthony;
(31) 05 719467 (32) 21 Sep 2005 (33) US
(31) 05 719468 (32) 21 Sep 2005 (33) US
(31) 05 719477 (32) 21 Sep 2005 (33) US
(74) Shelston IP, Level 21, 60 Margaret Street, Sydney, NSW 2000, Australia
(57) The disclosure relates to carboxamide compounds of Formula (I) wherein the substituents are defined as in the specification. Also disclosed are intermediates for their preparation, their use as muscarinic antagonists in the manufacture of medicaments for treatment of inflammation of airways and similar diseases and pharmaceutical composition containing them.



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(21) 566026 (22) 1 Nov 2006
(54) Multi-compartmental gabion with walls hingedly and releasably coupled
(86) PCT/GB2006/050367 (87) WO2007/060476
(51) IPC2010.01:E02D29/02
(71) HESCO BASTION LIMITED
(72) Heselden, James;
(31) 05 0523925 (32) 24 Nov 2005 (33) GB
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) The disclosure concerns a recoverable gabion for use in protecting military or civilian installations from weapons assault or from elemental forces, such as flood waters, lava flows, avalanches, soil instability, slope erosion and the like. The gabion comprises opposed side walls comprising a plurality of side wall elements connected together at spaced intervals by a plurality of partition walls such that spaces between neighbouring pairs of partition walls define, together with the side walls, individual compartments of the gabion, adjacent side and partition walls being connected to one another by pivotal connections 41 enabling the gabion to be folded between fully flattened and deployed configurations, wherein at least one of the pivotal connections 43 is a releasable connection which when released allows a side wall element to open with respect to the gabion to allow access from the side of the gabion to any contents of the gabion compartments.

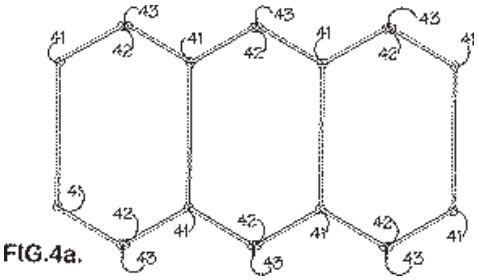

FIG.4a.

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(21) 566080 (22) 3 Aug 2006
(54) Needle assembly for a prefilled syringe system
(86) PCT/IB2006/002792 (87) WO2007/026248
(51) IPC2010.01:A61M5/32
(71) CILAG GMBH INTERNATIONAL
(72) Fabian, Arthur; Beyeler, Stefan; Eberle, Andreas; Kovac, Jasminka;
(31) 05 05255298 (32) 30 Aug 2005 (33) EP
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A needle assembly (10) for a prefilled injection syringe is described. A needle holder (12) has a needle (14) secured to it and is adapted to be secured to a syringe barrel of the injection syringe. A needle sheath (16) has a distal end forming a releasable sterile seal with the needle holder (12), and surrounds and shields the needle (14) . A needle seal (18) surmounts the needle tip and is arranged at least in part in the proximal end of the needle sheath (16) and closed off by a closure element (20). A closure connection between the closure element (20) and the needle sheath (16) is configured as a non-releasable and sterile barrier (54) produced by means of bonding or welding.

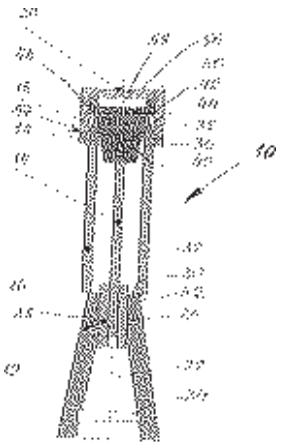

Fig 1

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(21) 566114 (22) 18 Aug 2006
(54) Boat propulsion engine with lift generator and anti-cavitation plate
(86) PCT/JP2006/316666 (87) WO2007/023928
(51) IPC2010.01:B63H20/34
(71) HONDA MOTOR CO., LTD.

(72) Shiomi, Kazuyuki; Ikeno, Tetsuro; Okada, Takeshi; Kiura, Toshiro;
(31) 05 239995 (32) 22 Aug 2005 (33) JP
(31) 05 239970 (32) 22 Aug 2005 (33) JP
(31) 05 240120 (32) 22 Aug 2005 (33) JP
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) A boat propulsion engine (1) comprises a main body (4) that extends substantially vertically in relation to a hull (Si), a lift generator (20) disposed in a rear portion of the main body (4), and supporting bodies (24) that support the lift generator (20) on the main body (4). The lift generator (20) has a surface (21g, 21h) that extends transversely relative to the main body (4) and that is located behind at least the main body (4). The supporting bodies (24) extend backward from the main body (4) to the lift generator (20) in a single vertical direction relative to a surface (21g, 21h) of the lift generator (20).

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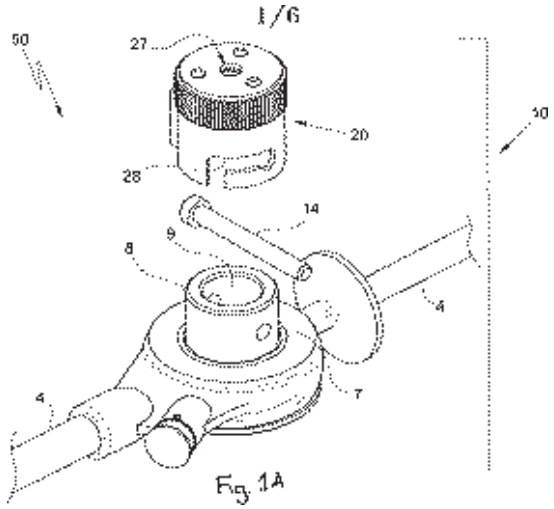
(21) 566206 (22) 13 Sep 2006
(54) Attachment device for a sewer pipe cleaning system
(86) PCT/AU2006/001344 (87) WO2007/030878
(51) IPC2010.01:F16L55/26,28; F16L101/12; B08B9/045
(71) Sydney Water Corporation
(72) Tanevski, Ilija;
(31) 05 905077 (32) 14 Sep 2005 (33) AU
(74) F B RICE & CO, Level 23, 44 Market Street, Sydney, New South Wales 2000, Australia
(57) There is disclosed an attachment device for attaching a pipe cleaning tool to a rotary motion facilitation device. The pipe cleaning tool comprises an elongate member adapted to be received by the rotary motion facilitation device. The attachment device comprises a connecting element that is positionable to connect the elongate member to said rotary motion facilitation device such that rotary motion can be transferred from the rotary motion facilitation device to the pipe cleaning tool. A retainer element is mountable to the rotary motion facilitation device to enclose at least a portion of the connecting element to retain the connecting element in position.



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(21) 566239 (22) 11 Sep 2006
(54) Method to increase resistance against stain penetration of aqueous coating compositions
(86) PCT/EP2006/066215 (87) WO2007/031480
(51) IPC2010.01:C09D133/08; C08K5/36,51; C09D133/12; C09D135/06; C09D201/00; C09D7/12
(71) BASF SE
(72) Chowdhry, Mubarik Mahmood; Yamashita, Hideki; Yong, Cheeseng; Catterall, Gregory John; Allen, Jonathon Shane; Van Sonsbeek, Roger Jan; Redfern, David; Schuler, Bernhard; Wagner, Oliver; Christie, David;
(31) 05 05019802 (32) 12 Sep 2005 (33) EP
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) The disclosure relates to a method for improving stain resistance and penetration resistance of aqueous coating compositions, which method comprises providing a coating composition which contains at least one pigment, at least one film-forming polymer in the form of an aqueous polymer dispersion and at least one anionic surfactant, wherein the anionic surfactant comprises at least 85 % by weight, based on the total weight of anionic surfactant in the coating composition, of at least one anionic surfactant S, which is selected from semi-esters of sulfuric acid or phosphoric acid with an alcohol A, which alcohol A carries at least one alkyl radical having from 8 to 30 carbon atoms or an alkyl substituted phenyl radical wherein alkyl has from 4 to 30 carbon atoms and which alcohol A may carry an oligo-C2-C3 alkylene- ether group provided that the number of repeating units in the oligo-C2-C3- alkylene-ether group is at most 15, or a salt thereof.

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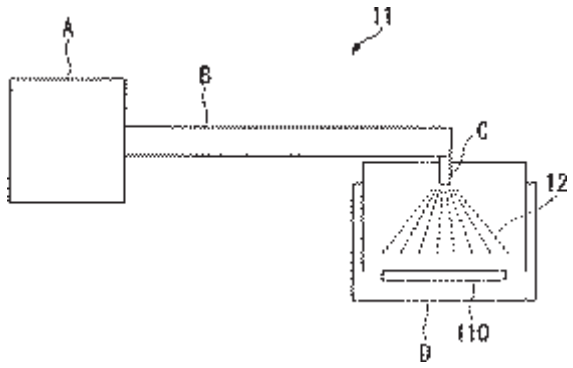
(21) 566447 (22) 14 Jul 2006
(54) Film forming apparatus and film forming method
(86) PCT/JP2006/314072 (87) WO2007/032143
(51) IPC2010.01:H01B13/00; C03C17/25; C23C18/02
(71) Fujikura Ltd.
(72) Goto, Kenji; Kawashima, Takuya; Suzuki, Yasuo; Tanabe, Nobuo;
(31) 05 265301 (32) 13 Sep 2005 (33) JP
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A film forming apparatus that forms a thin film on a surface of a subject to be processed by spray pyrolysis deposition, is disclosed. The film forming apparatus comprises a supporting device on which the subject to be processed is mounted, and a discharging device that sprays a mist containing a raw material solution for the thin film towards a surface of the subject to be processed. The discharge device comprises nozzles where each nozzle has a first position that forms a mist intake side and a second position that forms a mist discharge side. If a face velocity at the first position is taken as V1 and a face velocity at the second position is taken as V2, a face velocity of the mist moving through the nozzles is V2>1.5 xV1.
Divisional filed as 582387



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(21) 566480 (22) 24 Aug 2006
(54) An apparatus and a method of fragmenting hard particles
(86) PCT/NO2006/000303 (87) WO2007/024142
(51) IPC2010.01:E21B43/40,34
(71) Environmental Technology AS
(72) Garstad, Johannes B; Stridsklev, Helge; Tjorhom, Sven Egil;
(31) 05 053975 (32) 25 Aug 2005 (33) NO
(74) P L BERRY & ASSOCIATES, AEQ Building, 61 Cambridge Terrace, Christchurch 8013, New Zealand
(57) A method of treating proppants in a returning well stream flow for use in well stimulation operations, including first separating proppants from the well stream flow and further characterized by the following steps:
a. fragmenting proppants to a predetermined particle size;

b. mixing fragmented proppants with a fluid in a venturi in order to form a particle slurry having a higher degree of fineness than said returning well stream flow; and

c. injecting the particle slurry into a well.

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(21) 566579 (22) 14 Sep 2006

(54) Fungicidal compositions

(86) PCT/EP2006/008950 (87) WO2007/031308

(51) IPC2010.01:A01N43/653; A01N37/34; C07C15/00

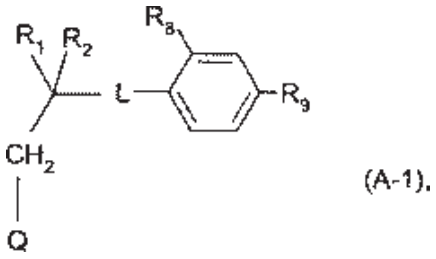
(71) Syngenta Participations AG

(72) Godwin, Jeremy; Guicherit, Eric; Hosking, David Gustave Keith; Neumann, Christoph;

(31) 05 05020302 (32) 16 Sep 2005 (33) EP

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed is a composition capable of controlling phytopathogenic fungi on a plant or propagation material thereof said composition comprising as active ingredient a mixture of component (A), component (B) and component (C) wherein component (A) is Chlorothalonil, component (B) is Cyproconazole or a salt or metal complex thereof and component (C) is a triazole fungicide selected from Fluquinconazole and a compound of formula A-1 wherein the substituents are disclosed within the specification.



(A-1).

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(21) 566625 (22) 29 Apr 2004

(54) Human serum albumin-free stabilized interferon liquid formulations with benzyl alcohol as a bacteriostatic agent

(51) IPC2010.01:A61K47/00; A61K38/21

(71) ARES TRADING S.A.

(72) Samaritani, Fabrizio; Del Rio, Alessandra;

(31) 03 03101210 (32) 1 May 2003 (33) EP

(31) 03 530169 (32) 17 Dec 2003 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is a stabilized HSA-free liquid pharmaceutical composition comprising an interferon beta (IFN-beta), wherein said composition is a solution that comprises a buffer, a surfactant, an isotonicity agent, an anti-oxidant and a bacteriostatic agent which bacteriostatic agent is benzyl alcohol.

(62) Divided Out of 542912

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(21) 566628 (22) 14 Sep 2006

(54) Catheter type iontophoresis apparatus using alternating layers of electrolytes and ion exchange membranes

(86) PCT/JP2006/318239 (87) WO2007/032423

(51) IPC2010.01:A61N1/30; A61M25/00; A61N5/06

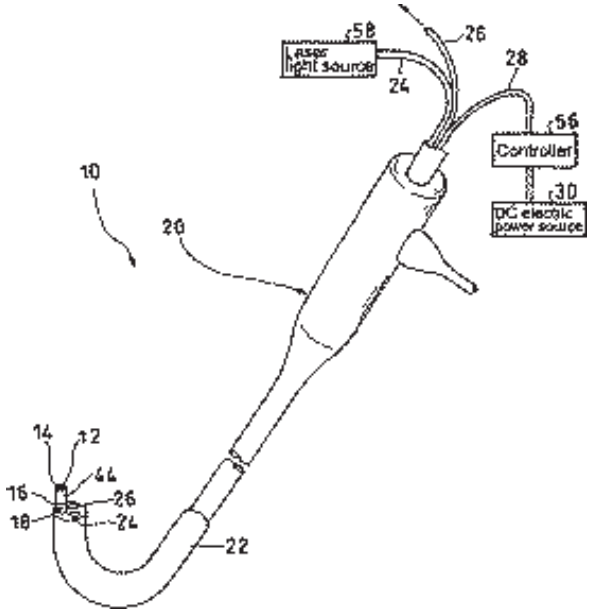
(71) TTI ellebeau, Inc.

(72) Akiyama, Hidero; Kawakami, Hiroyoshi; Nakayama, Mizuo; Matsumura, Takehiko; Matsumura, Akihiko;

(31) 2005 270862 (32) 16 Sep 2005 (33) JP

(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia

(57) A catheter-type iontophoresis device (10) is disclosed. An endoscope device (20) for detachably supporting an electrode assembly (12, 14) is provided. A working side of the electrode assembly (12) and a non-working side of the electrode assembly (14) are each used for administering an ionic drug by iontophoresis. A DC electric power source (30) is connected to the working side electrode assembly and the non-working side electrode assembly with opposite polarities. The working side electrode assembly (12) and the nonworking side electrode assembly (14) are attached at the tip of a rod-like member (44), a predetermined amount of spacing being provided between the working side electrode assembly and the non working side electrode assembly. The rod-like member (44) is supported at the tip of a flexible cable supported by the flexible tube (22) of the endoscope device. The ionic drug comprises a photosensitized reactive material to be activated by absorbing light. The light is supplied by the endoscope device by means of an irradiation optical system (58, 24). The light is applied from the neighbourhood of the tip of the working side electrode assembly (12) via the flexible endoscope tube (22).



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(21) 566712 (22) 16 Aug 2006

(54) A liquid discharge valve made in one piece with an inner tube sliding inside an outer tube connected by an elastomeric flange

(86) PCT/GB2006/003066 (87) WO2007/020440

(51) IPC2010.01:B65D47/06,28,08; F16K3/24,28

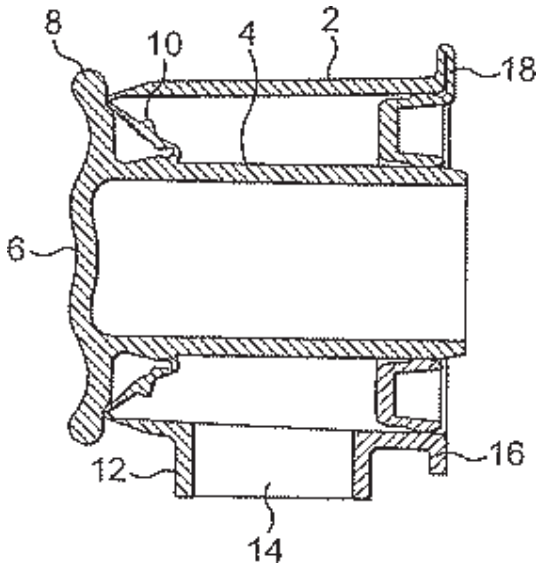
(71) CARBONITE COPROATION

(72) Smith, Matthew Eric; Mondszein, Karl;

(31) 05 0516963 (32) 18 Aug 2005 (33) GB

(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand

(57) A liquid dispenser valve is disclosed. The valve might be used as a tap for a liquid container, particularly a wine box. The valve includes an outer tube (2) with a discharge opening (14) formed in its side wall. An inner tube (4) is partially accommodated within the outer tube (2) and defines with it an annular space, which accommodates an annular sealing member. The annular sealing member forms a seal with the outer tube. One end (6) of the inner tube (4) is closed and one end of the outer tube (2) is integrally connected to the inner tube (4) by a flexible annular web (10), whose width in the radial direction is greater than that of the annular space. The other end of the outer tube (2) is adapted for connection to the liquid container. The inner tube (4) is movable longitudinally within the outer tube (2) between an open position, in which there is a liquid flow path between the outer end of the outer tube and the discharge opening (14), and a closed position, in which the outer surface of the inner tube (4) forms a sliding seal with sealing member and the liquid flow path is sealed. The valve is manufactured in one piece.



(21) 566787 (22) 7 Sep 2006
(54) Crystalline forms of 1-chloro-4-(beta-D-glucopyranos-1-yl)-2-(4-ethynyl-benzyl)-benzene, methods for its preparation and the use thereof for preparing medicaments
(86) PCT/EP2006/066107 (87) WO2007/028814
(51) IPC2010.01:C07D309/10; A61K31/351; A61P3/10; C07H7/00
(71) Boehringer Ingelheim International GmbH
(72) Eckhardt, Matthias; Himmelsback, Frank; Butz, Tanja; Schuhle, Martin; Martin, Hans-Jurgen;
(31) 05 05019527 (32) 8 Sep 2005 (33) EP
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) The disclosure relates to a crystalline hydrate of 1-chloro-4-(beta-D-glucopyranos-1-yl)-2-(4-ethynyl-benzyl)-benzene and to crystalline complexes between 1-chloro-4-(beta-D-glucopyranos-1-yl)-2-(4-ethynyl-benzyl)-benzene and a natural amino acid, to methods for the preparation thereof, as well as to uses thereof for preparing medicaments.

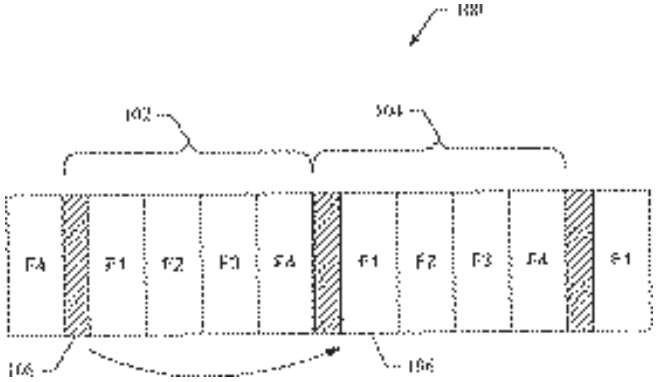
(21) 566935 (22) 26 Sep 2006
(54) Methods and apparatus for service acquisition
(86) PCT/US2006/037995 (87) WO2007/038726
(51) IPC2010.01:H04N5/00; H04N7/24,64
(71) Qualcomm Incorporated
(72) Walker, Gordon Kent; Bhamidipati, Phanikumar; Raveendran, Vijayalakshmi R;
(31) 05 721565 (32) 27 Sep 2005 (33) US
(31) 05 734962 (32) 8 Nov 2005 (33) US
(31) 05 742189 (32) 5 Dec 2005 (33) US
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A method for service acquisition is provided which includes the steps of: generating channel switch video (CSV) signals associated with multimedia signals; encoding the CSV and multimedia signals to produce error coded blocks which include error coded blocks associated with overhead information and error coded blocks including data associated with the multimedia signals; pre-interleaving the error coded blocks so that the error coded blocks associated with overhead information are positioned after the error coded blocks including data associated with the multimedia signals; pre-interleaving the error coded blocks so that an error coded block including keys needed to decode the error coded blocks including data is positioned after the error coded blocks including data; and encapsulating the error coded blocks into a multiplex signal.

A further method for service acquisition is provided which includes the steps of: receiving a multiplex signal associated with a number of channels; detecting a selection of one of the channels; decoding a channel switch video (CSV) signal associated with the selected channel; decoding the multiplex signal to produce error coded data blocks and error coded information blocks, the error coded information blocks being positioned after error coded data blocks, and an error information block including keys needed to decode the error coded data blocks being positioned after the error coded data blocks; de-interleaving the error coded data blocks and the error coded information blocks; and rendering the CSV signal.

A further method for service acquisition is provided, which includes the steps of: constructing a number of transmission frames, each of which is associated with a selected time interval; and encoding data associated with channels into the transmission frames by pre-interleaving error coded data blocks and error coded information blocks associated with the channels of data so that the error coded information blocks are positioned after the error coded data blocks, and an error information block including keys needed to decode the error coded data blocks is positioned after the error coded data blocks, where selected data is encoded into predetermined transmission frames so that channel jitter can be absorbed using a single buffer associated with a selected time duration.

A further method for service acquisition is provided, which includes the steps of: receiving a number of transmission frames, each of which is associated with a selected time interval and includes data associated with channels, and where selected data is encoded into predetermined transmission frames as error coded information blocks positioned after error coded data blocks, and an error information block including keys needed to decode the error coded data blocks is positioned after the error coded data blocks; and buffering the number of transmission frames with a single buffer associated with a selected time duration, where channel jitter associated with the channels is absorbed.

An apparatus, computer program and processor are also provided to implement each method.



(21) 567075 (22) 6 Sep 2005
(54) Fitness machine having a vibration absorbing support
(86) PCT/NL2005/000642 (87) WO2007/030000
(51) IPC2010.01:A61H23/00; A63B21/00
(71) Power Plate International Ltd.
(72) Van der Meer, Augustinus Leonardus Nicolaas;
(74) Wallington-Dummer Patent and Trade Mark Attorneys, Suite 1005, Level 10, 37 Bligh Street, Sydney, NSW 2000, Australia
(57) Disclosed is a fitness machine for training a body. The machine includes a frame with a vibration element, a vibration generator operatively coupled to the vibration element and at least one vibration absorbing frame support operatively coupled to the vibration generator. The vibration absorption level of the vibration absorbing frame support is adjustable. The fitness machine further includes at least one control system for controlling the vibration generator in response to a user input and for controlling the absorption level of the vibration absorbing frame support in response to a body mass of a user positioned on the vibration element such that the selectable training load levels are substantially equal for each user.

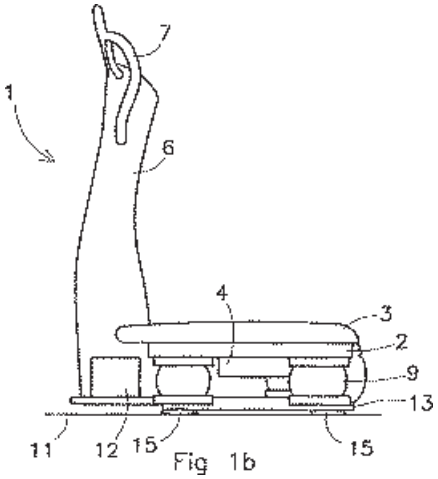


Fig 1b

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(21) 567165 (22) 4 Apr 2008
(54) Channel electric inductor assembly
(51) IPC2010.01:F27D11/06
(71) Inductotherm Corp
(72) Sarkissian, Karen; Raffner, Bernard M;
(31) 07 735771 (32) 16 Apr 2007 (33) US
(74) Mallesons Stephen Jaques, Level 50 Bourke Place, 600 Bourke Street, Melbourne VIC 3000, Australia
(57) The present disclosure relates to an electric channel inductor assembly and method of forming an electric channel inductor assembly. A non-removable, hollow, nonmagnetic channel mold is used to form the one or more flow channels of the assembly. A heated fluid medium is circulated in the hollow interior of the mold after the mold is situated in the assembly to heat treat the refractory surrounding the exterior walls of the mold. After heat treatment a liquid is supplied to the hollow interior of the mold to chemically dissolve the mold.

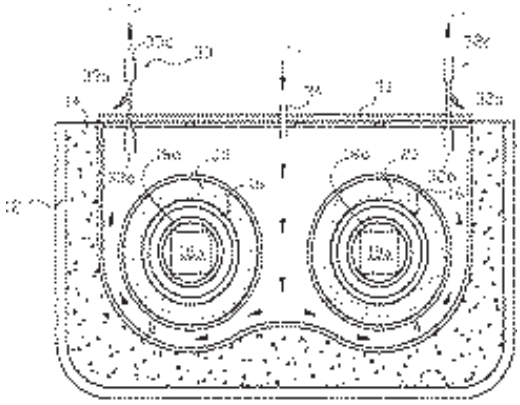
FIG. 5

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(21) 567258 (22) 9 Nov 2006
(54) Molded shaving aid compositions, components and methode of manufactore
(86) PCT/US2006/043611 (87) WO2007/056509
(51) IPC2010.01:B26B21/44; A61Q9/02; A61K8/89
(71) THE GILLETTE COMPANY
(72) O'Grady, Janet Kelly; Westgate, Marilyn Jeanne; Corbeil, Corey Edward; Johnson, Robert; Morrissey, Maureen Sullivan; Xu, Yun; Danti, Gregory Thomas; Anderson, John; Moloney, Michael John; Houlihan, Robert Michael;
(31) 05 735758 (32) 9 Nov 2005 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed is a shaving cartridge comprising:
a housing having a front edge and a rear edge;
one or more shaving blades between the front edge and the rear edge;
a shaving aid holder; and
at least one shaving aid portion mounted on the shaving aid holder, characterized in that the shaving aid portion comprises from about 0.1% to about 10 wt % polyoxyethylene and a soap base. Also disclosed is a razor component containing said shaving cartridge.

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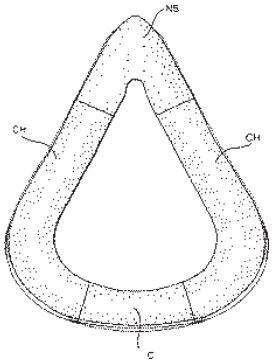
(21) 567460 (22) 16 Apr 2008
(54) Cushion and cushion to frame assembly mechanism for patient interface
(51) IPC2010.01:A61M16/06
(71) ResMed Ltd
(72) Davidson, Aaron Samuel; Hitchcock, Robin Garth; Lynch, Susan Robyn; D'Souza, Savio Alex; Eves, Matthew;
(31) 07 907856 (32) 19 Apr 2007 (33) US
(31) 07 935336 (32) 8 Aug 2007 (33) US
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A full-face cushion for a patient interface that delivers breathable gas to a patient, the full-face cushion comprising: a frame connector adapted to attach the cushion to a mask frame; and an interface provided to the frame connector, the interface being constructed of foam and defining a cushion cavity, the foam having at least one portion including a foam contact surface that does not include a skin to interface or contact with surfaces of the patient's face in use, wherein the interface includes different stiffnesses in different regions of the cushion to vary the spring characteristic around the cushion perimeter.
Divisional filed as 578334



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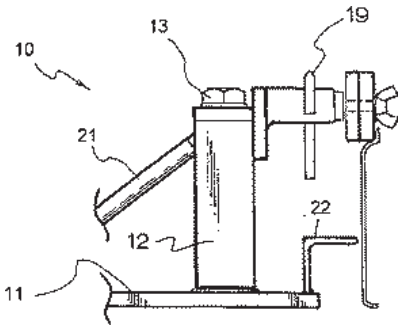
(21) 567555 (22) 21 Apr 2008
(54) Lift device
(51) IPC2010.01:E04B5/16; B66F3/08; E01C19/50
(71) Danley Construction Products Pty Ltd
(72) Underwood, Daniel Charles;
(31) 07 902105 (32) 20 Apr 2007 (33) AU
(74) INTELLEPRO, Patent & Trade Mark Attorneys, Level 7, 102 Adelaide Street, Brisbane, QLD 4000, Australia
(57) An edging system for concrete flooring, where the edging has plural spaced lift devices, is disclosed. The lift devices are located along the edging at spaced intervals in order to adjust the height of the edging where the lift devices each have an upper extremity which is below the upper surface of the edging. The lift device comprises a base, a lift mechanism and an edging attachment means. The edging attachment means is adapted to engage the edging in order to raise or lower the edging using the lift mechanism and has an adaptor to extend the lift range of the lift device.



(21) 567585 (22) 8 Nov 2006
(54) Combination membrane/biolytic filtration
(86) PCT/AU2006/001666 (87) WO2007/053890
(51) IPC2010.01:C02F3/00,02,30
(71) Siemens Water Technologies Corp
(72) Johnson, Warren Thomas; Biltoft, Bruce Gregory; Cameron, Dean Osman;
(31) 05 906191 (32) 8 Nov 2005 (33) AU
(74) Shelston IP, Level 21, 60 Margaret Street, Sydney, NSW 2000, Australia
(57) Disclosed is a wastewater treatment system including an aerobic compost bed, inlet means, a membrane filter device, and pump means. The inlet means for supplying wastewater to said aerobic compost bed, and the membrane filter device includes one or more hollow, permeable membranes with a feed side in fluid communication with the aerobic compost bed. The pump means are coupled to the membrane device, and are selectively operable to provide a filtration operation. The filtration operation is caused by producing a pressure differential across the walls of the membranes to cause flow of feed liquid from the aerobic compost bed to the feed side of the membrane walls, and withdrawal of filtrate liquid from a filtrate side of the membrane walls.

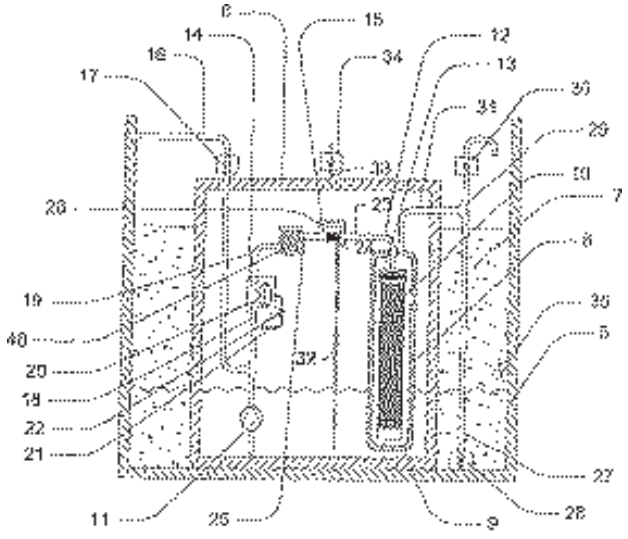
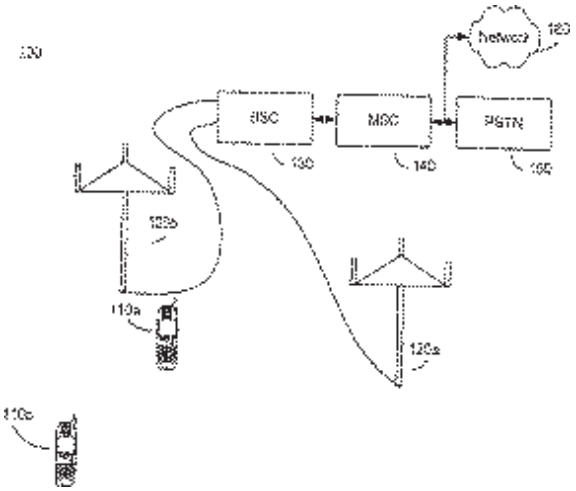
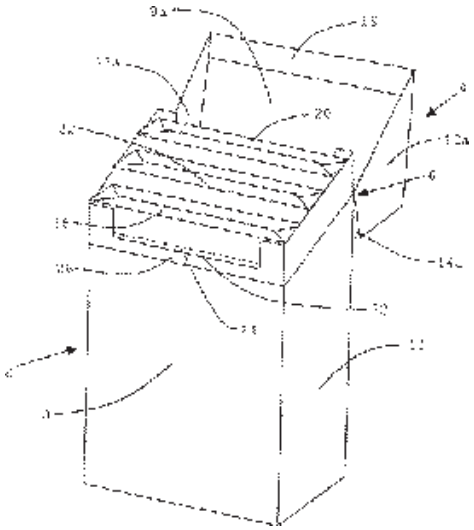


Fig. 1

(21) 567801 (22) 27 Oct 2006
(54) Resource allocation for shared signaling channels
(86) PCT/US2006/060332 (87) WO2007/051186
(51) IPC2010.01:H04L27/26; H04B7/005
(71) Qualcomm Incorporated
(72) Khandekar, Aamod; Gorokhov, Alexei;
(31) 05 261158 (32) 27 Oct 2005 (33) US
(31) 06 370640 (32) 7 Mar 2006 (33) US
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A method of generating control channel messages in a wireless communication system is provided. The method includes the steps of:
allocating logical control channel resources to a control channel, which are distinct from logical traffic channel resources allocated for data transmission;
assigning the logical control channel resources to physical channel resources to obtain assigned physical channel resources for the control channel, where the assigned physical channel resources correspond to combinations of sub-carriers and symbols;
generating at least one message;
encoding the message to generate at least one message symbol; and
transmitting the message on at least a portion of the assigned physical channel resources.



(21) 568337 (22) 5 Dec 2006
(54) Tiered hinge-lid pack of smoking articles
(86) PCT/IB2006/004031 (87) WO2007/069082
(51) IPC2010.01:B65D85/10
(71) PHILIP MORRIS PRODUCTS S.A.
(72) Weiss, Jacques; Bourgoin, Philippe; Gindrat, Pierre-Yves; Hawley, Miles Richard; Rees, Matthew;
(31) 05 05257478 (32) 5 Dec 2005 (33) EP
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A hinge-lid pack of smoking articles such as cigarettes comprises a box portion (2), a lid portion (4) hinged to the box portion, and at least two longitudinally offset tiers (18) (20) (22) of smoking articles mounted in the box portion. Each of the at least two tiers (18) (20) (22) comprises a separately wrapped bundle of smoking articles. In one embodiment the smoking articles in each of the tiers are of substantially the same length and the upper ends and the lower ends of the separately wrapped bundles of smoking articles are longitudinally offset relative to one another. In another embodiment the smoking articles in each of the tiers are of different length and the upper ends of the separately wrapped bundles of smoking articles are longitudinally offset relative to one another.



(21) 568431 (22) 13 Dec 2005

(54) A method for controlling the deformation of a surface of a sail of a sailing boat during a direction change manoeuvre

(86) PCT/IT2005/000731 (87) WO2007/069280

(51) IPC2010.01:B63H9/06

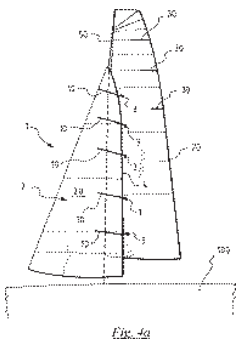
(71) Pirelli & C. S.p.A.

(72) Puppi, Cristiano; Piantanida, Pier Giuseppe; Caretta, Renato; Ponta, Thomas Mattia Mauro;

(31) (32) 13 Dec 2005 (33) IT

(74) DAVIES COLLISON CAVE - SYDNEY, 255 Elizabeth Street, Sydney, New South Wales 2000, Australia

(57) There is described a method for controlling the deformation of a surface of a sail (1) of a sailing boat (100) during a direction change manoeuvre, said method comprising the step of arranging at least one inflatable batten (10) into a respective seat (3) formed on a side surface (2a) of the sail (1), said at least one batten (10) being inflated at a predetermined working pressure, said working pressure being bending stiffness having, with no bending load, a predetermined value and the step of carrying out a manoeuvre for changing the direction of the sailing boat (100), wherein in a first part of said manoeuvre said at least one batten (10) is subjected to the action of an increasing bending load and in a second part of said manoeuvre, said bending load ends its action on said at least one batten (10); during said manoeuvre the mechanical properties of said at least one batten (10) being changed so that as said bending load increases in said first part of the manoeuvre, the value of the bending stiffness of said at least one batten (10) decreases considerably, and as the action of said bending load ends in said second part the manoeuvre, the bending stiffness of said at least one batten (10) returns to said predetermined value



(21) 568553 (22) 11 Feb 1999

(54) Treatment of inflammation, AB-induced cell toxicity, neuronal cell death or neuronal loss in subjects suffering from Alzheimer's disease

(51) IPC2010.01:A61K31/255,66; A61K47/48; A61K31/185

(71) BELLUS HEALTH (INTERNATIONAL) LIMITED

(72) Gervais, Francine; Morissette, Celine;

(31) 99 248396 (32) 10 Feb 1999 (33) US

(31) 98 74295 (32) 11 Feb 1998 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is the use of an anionic compound, or a pharmaceutically acceptable salt thereof for the manufacture of a composition for the treatment or prevention of inflammation due to activation of macrophages by an amyloidogenic protein or peptide (such as soluble Amyloid-beta), or a functional fragment thereof; wherein said anionic compound has the structure: Q-[-Y-X+]n, where in Y is an anionic group at physiological pH (such as SO3); Q is a C3 aliphatic group; X+ is a cationic group; and n is an integer selected such that the biodistribution of the compound for an intended target site is not prevented while maintaining activity of said compound; with the proviso that said anionic compound is not 3-amino-1-propanesulfonic acid. Also disclosed is the above use, where the anionic compound is selected from the group consisting of 3-(cyclohexylamino)-1-propane sulfonate, 3-(N-morpholino)propanesulfonic acid.

Divisional filed as 579514

(21) 568855 (22) 5 Jun 2008

(54) Livestock drafting apparatus and method

(51) IPC2010.01:A01K11/00; G08B3/00; A01K15/04; A01K29/00; A01K1/00

(71) SHEARWELL DATA LIMITED

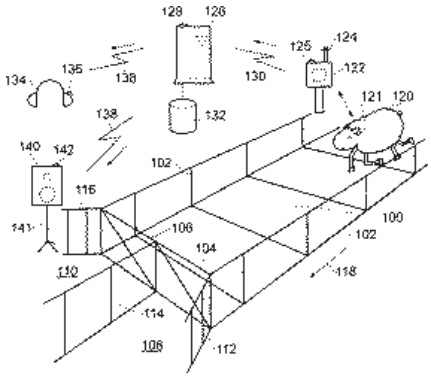
(72) Webber, Richard;

(31) 07 0710787 (32) 5 Jun 2007 (33) GB

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Livestock drafting apparatus includes an electronic identification (EID) reader (122) arranged to obtain data from an EID element (121) associated with a livestock animal (120); a drafting controller (126) arranged to receive the obtained data from the EID reader and automatically select a drafting group for the livestock animal based on the obtained data; and an audio output device (134, 140) in communication with the drafting controller to receive an operation instruction which corresponds to the selected drafting group. The audio output device is arranged to output an audible signal which is indicative of the selected drafting group.

The drafting controller includes a comparison unit in which predetermined criteria are settable for comparison with the content of corresponding data fields stored for each livestock animal in an animal database that is accessible by the drafting controller, and the drafting controller is arranged to extract the content of a data field for an animal from the database upon receiving the data obtained from the EID element of that animal and to provide the extracted content to the comparison unit,. The comparison unit is arranged to compare the downloaded content with the predetermined criteria to determine the drafting group for the animal.



(21) 568881 (22) 4 Oct 2002
(54) Manipulation of flavonoid biosynthesis in plants (5) and isolated nucleic acids encoding flavonoid 3', 5' hydrolase
(51) IPC2010.01:C12N15/53,29,55,61; A01H5/00; C12N15/52,60
(71) Agriculture Victoria Services Pty Ltd; AgResearch Limited
(72) Spangenberg, German; Sawbridge, Timothy Ivor; Ong, Eng Kok; Emmerling, Michael;
(31) 01 8113 (32) 5 Oct 2001 (33) AU
(74) Freehills Patent & Trade Mark Attorneys, Level 43, 101 Collins Street, Melbourne, Victoria 3000, Australia
(57) Disclosed is a substantially purified or isolated nucleic acid or nucleic acid fragment encoding flavonoid 3', 5' hydrolase (F3'5'H) from a clover (Trifolium) species. Vectors and plant cells comprising the nucleic acid are described. The nucleic acid can be introduced into a plant to modify flavonoid biosynthesis, protein binding, metal chelation, anti-oxidation, UV-light absorption, pigment production, plant defense to biotic stress or forage quality, or can be used as a molecular marker.
Divisional filed as 581393

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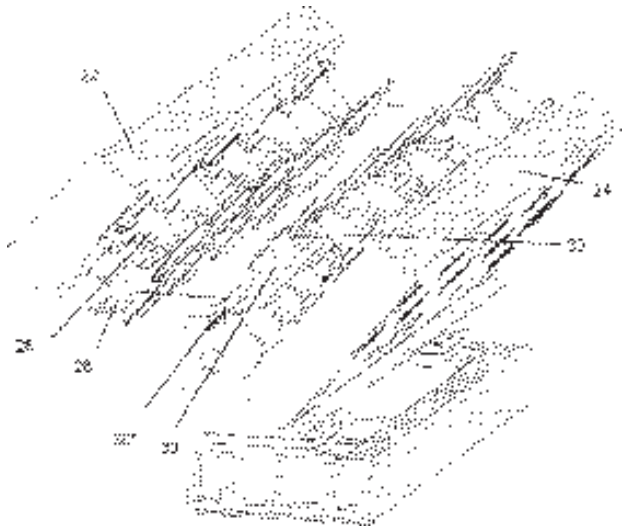
(21) 568912 (22) 28 Nov 2006
(54) Profiling machine
(86) PCT/EP2006/068991 (87) WO2007/063060
(51) IPC2010.01:B21D5/08,06
(71) STAM S.p.a.
(72) Sacca', Luigi;
(31) 05 VE A 059 (32) 1 Dec 2005 (33) IT
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) A profiling machine for forming U, C and Z profiles comprising a final profiling unit having a first fixed shoulder (22) disposed inclined to the vertical plane and supporting a plurality of profiling stations each consisting of a pair of profiling rollers (28, 28'), and a second shoulder (24) supporting a plurality of profiling stations each consisting of two pairs of profiling rollers (30, 30', 30'), said second shoulder (24) being hinged on a longitudinal axis to be able to rotate from a position for forming Z profiles to a position for forming C and U profiles (drawing shows machine configured for forming Z profiles).



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(21) 569099 (22) 19 Dec 2006
(54) Drinking fitment
(86) PCT/GB2006/050464 (87) WO2007/072076
(51) IPC2010.01:B65D47/08
(71) Bapco Closures Research Ltd
(72) Von Spreckelsen, Henning; McGeough, Peter;
(31) 05 0526014 (32) 22 Dec 2005 (33) GB
(74) Allens Arthur Robinson Patent & Trade Marks Attorneys, 530 Collins Street, Melbourne, Victoria 3000, Australia
(57) A closure for a container is disclosed. The closure comprises of an outer shell, a separate nozzle, and an induction heat-sealing foil. The outer shell defining a base adapted to be fitted to a container neck and an overcap which is connected to the base by a removable tamper element. The separate nozzle defining a drinking orifice assembled within the outer shell. The foil is an annulus welded to the base and nozzle; and the overcap has a valve seal depending from an internal surface to engage with and seal the drinking orifice.

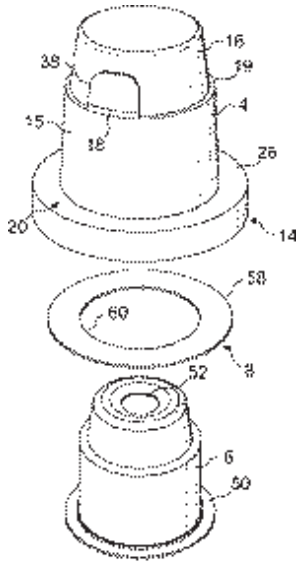

FIG. 1

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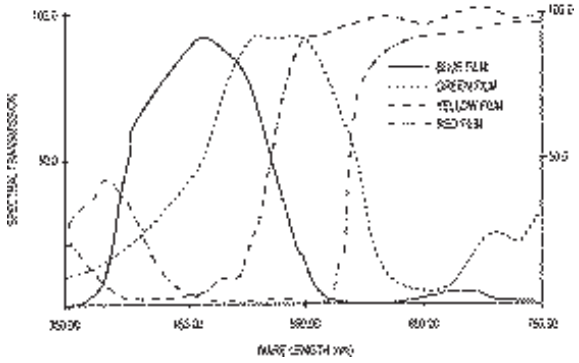
(21) 569151 (22) 20 Nov 2006
(54) Milk drink/food packed in transparent container and method of producing the same
(86) PCT/JP2006/323131 (87) WO2007/058350
(51) IPC2010.01:B65D81/30; B65D65/20; A23C3/00; A23C9/00; B65D85/80
(71) Meiji Dairies Corporation
(72) Hara, Tomokazu; Taguchi, Tomoyasu; Kubota, Yasushi;
(31) 05 335805 (32) 21 Nov 2005 (33) JP
(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia
(57) It is intended to provide a milk drink/food such as cow's milk packed in a transparent container such as a polyethylene terephthalate bottle which is free from the problem of light-induced off-flavor generation even in the case of a product to be placed on a store shelf and thus frequently affected by sunlight and a fluorescent lamp. Namely, a milk drink/food packed in a transparent container which substantially blocks light beams in the wavelength range of from 550 to 720 nm, and a method of producing a milk drink/food which involves the step of packing the milk drink/food in a transparent container which substantially blocks light beams in the wavelength range of from 550 to 720 nm.

FIG. 1



(21) 569153 (22) 17 Jun 2008
(54) Strap forms forehead support cushion for a facial mask
(51) IPC2010.01:A62B18/08; A61M16/06
(71) ResMed Ltd
(72) Thomas, Jonathan Huw; Brambilla, Enrico; Doherty, Renee Frances; Gunning, Philip John; Kooij, Michiel; Kwok, Philip Rodney;
(31) 2007903361 (32) 22 Jun 2007 (33) AU
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A respiratory mask includes a mask frame and a forehead support 1150 attached to the frame and having a forehead member 1160. Headgear including at least one strap 1170L 1170R connects to the forehead member. The forehead member has openings 1162 through which the strap is looped so that a portion of the strap loop forms a layer of padding between the forehead of the wearer of the mask and the forehead member. A flexible component, such as flexible beam 1190, is provided to the forehead member and is structured and of a material, size and rigidity to distribute and partially determine the distribution of the load applied by the strap.
Divisional filed as 582624

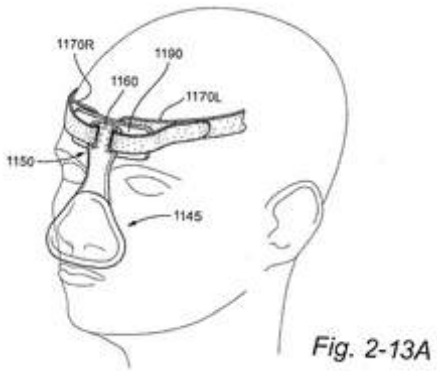
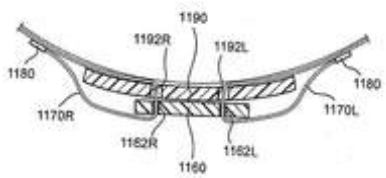
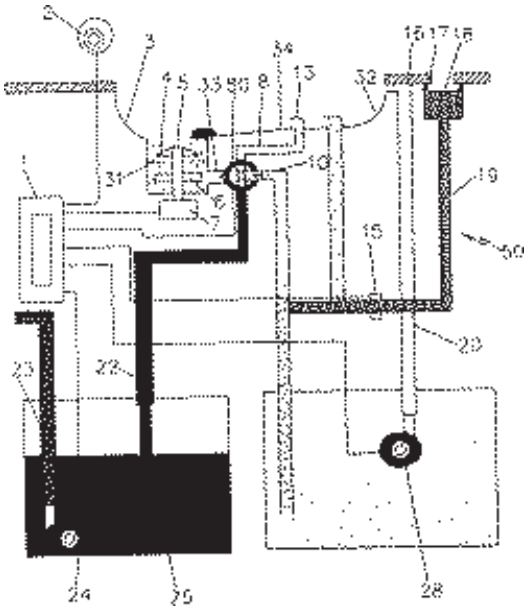


Fig. 2-13A



(21) 569165 (22) 14 Dec 2005
(54) Toilet with crush pump
(86) PCT/CN2005/002183 (87) WO2007/068144
(51) IPC2010.01:E03D5/016; A47K11/02
(71) Hoa Wu
(72) Wu, Hao;
(74) SCHUCH & COMPANY, Level 5, 22 The Terrace, Wellington, New Zealand
(57) A toilet includes a bowl, a crush pump, an electric four-way valve, a medicine-supplying means, and a circuit control means. The inlet of the valve is communicated with the outlet of the crush pump under the bowl. The three outlets of the valve are separately communicated with the middle of the bowl, an excrement-collecting container and a flushing liquor collecting container via a pipe for crushed excrement, a pipe for excrement- collecting and a pipe for urine-collecting. Thus a non-water toilet is formed. The four-way valve of the present invention prevents the liquid from flowing in wrong direction and reduces the cost.



(21) 569187 (22) 18 Jun 2008
(54) Auto-adjusting mask stabilizer
(51) IPC2010.01:A61M16/06; A62B18/08; A62B9/04
(71) ResMed Ltd
(72) Kwok, Philip Rodney; Brambilla, Enrico; Peake, Gregory Robert; Henry, Robert Edward; Veliss, Lee James; Gunning, Philip John;
(31) 60 945380 (32) 21 Jun 2007 (33) US
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A forehead support 12 for a respirator mask with a frame 16, 14 can be moved between first and second positions with respect to the frame to accommodate the different shapes of respective faces to which the mask will be attached. A biasing mechanism, such as a coil spring compressed within cylinder mounting 30, urges the forehead support toward the second position and the inclination angle between the mask frame and the forehead support remains constant as the forehead support is moved with respect to the frame.

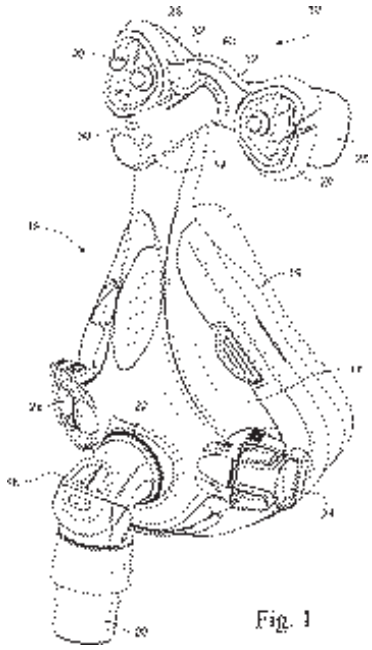
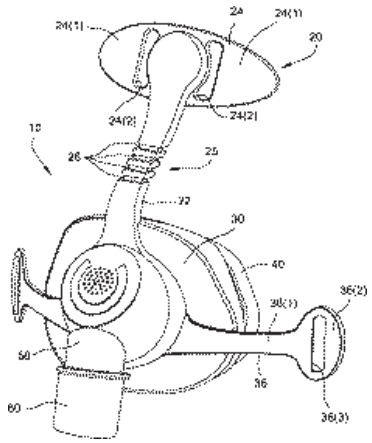
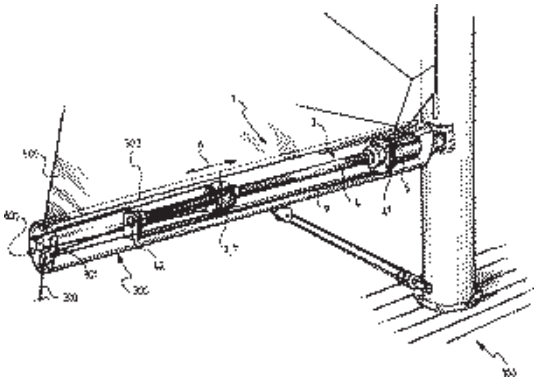


Fig. 1

(21) 569226 (22) 19 Jun 2008
(54) Flexible forehead support
(51) IPC2010.01:A61M16/06
(71) ResMed Ltd
(72) Brambilla, Enrico; Doherty, Renee Frances; Gunning, Philip John; Kooij, Michiel; Kwok, Philip Rodney; Cameron, Andrew David; Maurer, Dimitri Marco;
(31) 07 903360 (32) 22 Jun 2007 (33) AU
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A respiratory mask includes a mask frame 30 and a forehead support 20 provided to the mask frame. The forehead support includes a base 22 extending from the frame. The base includes a flexible portion along at least a portion of its length including a material and/or physical characteristic that allows the base to flex from an original, unloaded position, in form of recesses or cut-outs 26 about the perimeter of the base.
Divisional filed as 581726



(21) 569398 (22) 25 Jun 2008
(54) Sailing boat sheet tensioner with ballscrew nut
(51) IPC2010.01:B63H9/10; B66F7/02; B25B25/00
(71) HARKEN ITALY S.p.A.
(72) Cazzaro, Michele;
(31) 07 07425429 (32) 11 Jul 2007 (33) EP
(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand
(57) A boom (300) of a sailing boat (100) having a longitudinal inner cavity (301) and comprising a device (1) for actuating sheets to adjust the angle of incidence to the wind of a sail (500) driven by the sheets, is disclosed. The device (1) is housed in the longitudinal inner cavity (301) of the boom (300) and comprises a pulling element (2) for a sheet (200) and an actuator (3) connected to the pulling element (2) for causing the motion thereof. The actuator (3) comprises a screw (4) and a nut (7) engaged with each other, where one of the screw (4) and the nut (7) is rotated by motor means (5) and the other of the screw (4) and the nut (7) translates linearly.



(21) 569422 (22) 30 Jul 2004
(54) Container filling with base projection inverted during transportation, and being pushed up after filling
(51) IPC2010.01:B67C3/14
(71) Graham Packaging Company, L.P.
(72) Kelley, Paul; Goss, Kent; Sheets, Philip; Lyon, Ted; Ryl-Kuchar, Charles A;
(31) 03 491179 (32) 30 Jul 2003 (33) US
(31) 04 551771 (32) 11 Mar 2004 (33) US
(74) Pizzeys Patent and Trade Mark Attorneys, Level 2, Woden Plaza Offices, Woden Town Square, Woden, ACT 2606, Australia
(57) A system for processing a simplified plastic container that is to be filled with a hot product includes the step of blow-molding a parison to form a container having a projection extending outwardly from the container base. The projection is inverted to lie above a base standing ring during which such inversion the container is transported such that the projection does not rest on a conveyor. The projection is pushed up after filling of the container.
(62) Divided Out of 545528

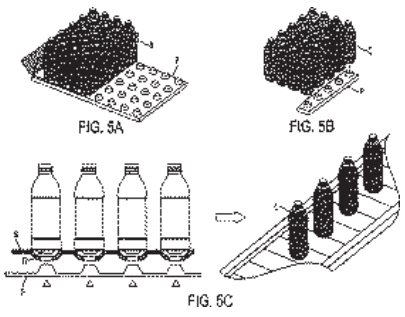
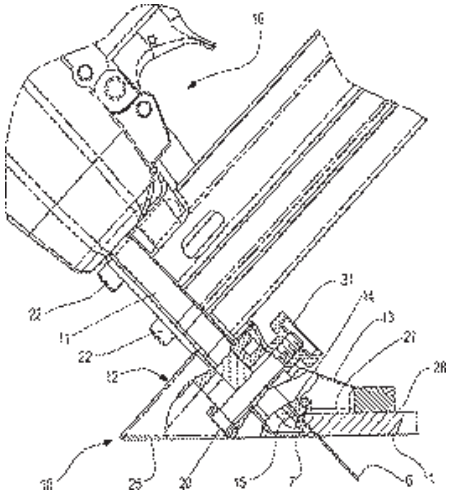


FIG. 5A FIG. 5B FIG. 5C

(21) 569600 (22) 4 Jan 2007
(54) 45 degree adjustable adapter for flooring nailer that engadges the tongue edge
(86) PCT/US2007/060101 (87) WO2007/082136
(51) IPC2010.01:B25C7/00; B27F7/02
(71) Illinois Tool Works Inc.
(72) Francescon, Ottaviano;
(31) 06 756522 (32) 5 Jan 2006 (33) US
(74) DAVIES COLLISON CAVE - MELBOURNE, 1 Nicholson Street, Melbourne, Victoria, Australia
(57) An adjustable adapter (10) for positioning a fastening tool (16) is disclosed. The adaptor (10) is used to assist in driving a fastener (6) into a tongue-and-groove flooring material (1) in the correct place and at the correct angle, to secure the flooring material (1) to the subfloor or joist etc. The adaptor (10) has a fastening tool mounting plate (14), a base (25) slidably mounted to the bottom of the mounting plate (14) and a support plate (13) slidably mounted to the top of the mounting plate (14). The mounting plate (14) engages the tongue extending from an edge of the tongue-and-groove flooring material (1) and directs the fastener into the interface (7) between the tongue and the edge of the tongue-and-groove flooring material (1). The base (25) maintains the mounting plate (14) at the correct angle relative to the subfloor. The support plate (13) engages the top surface of the tongue-and-groove flooring material (1).



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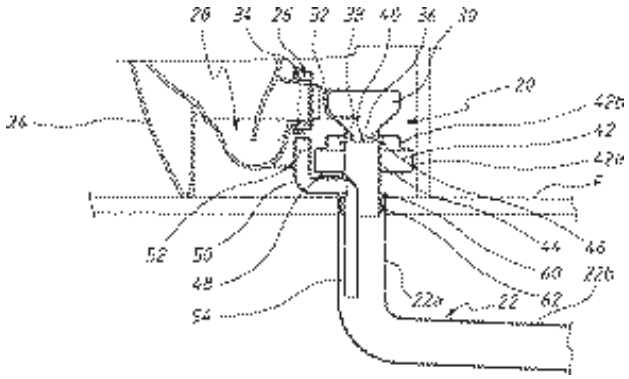
(21) 569626 (22) 21 Dec 2006
(54) Keeping sewer drainlines clear with low flush toilets or cisterns
(86) PCT/AU2006/001988 (87) WO2007/079522
(51) IPC2010.01:E03D9/00; E03D1/24,26; E03D11/00; E03C1/26,30
(71) Caroma Industries Limited
(72) Cummings, Stephen John;
(31) 06 900147 (32) 12 Jan 2006 (33) AU
(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia
(57) A device for improving drainline clearance for use with an ultra low flushing volume toilet is provided. The device includes a centrifuge separator means for separating liquids and solids, which has: a substantially horizontal inlet, adapted for connection to the outlet of a toilet pan; an outlet primarily for solids and an outlet primarily for liquids; and a reservoir, beneath the separator means, having an inlet in fluid communication with the liquids outlet of the separator means. The reservoir is adapted to syphonically empty all of its contents into a sewerage drainline, after at least 2 flushes of the toilet. The separator means and the reservoir have a combined vertical dimension less than the maximum height of the toilet pan outlet for installation adjacent the cistern and above the floor level of the toilet.



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(21) 569734 (22) 10 Jul 2008
(54) Holder, electrical supply, and RF transmitter unit for electronic devices
(51) IPC2010.01:H01R33/945; H01R13/502
(71) Belkin International, Inc.
(72) Neu, Thorben; Razo, Vince; Jackson, Scott;
(31) 07 959057 (32) 10 Jul 2007 (33) US
(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia
(57) An electronic accessory for coupling two or more electronic devices to an external power supply, and a method of coupling an electronic accessory to an electronic device, is disclosed. The electronic accessory comprises a holder, where the holder includes a cradle section, two or more side supports removably coupled to the cradle section, two or more spacer pads coupled to the cradle section, and a power unit. The cradle section, having a power coupling, is configured to couple to at least two electronic devices where the side supports and spacer pads provide support to the first and second electronic devices when coupled to the cradle section.

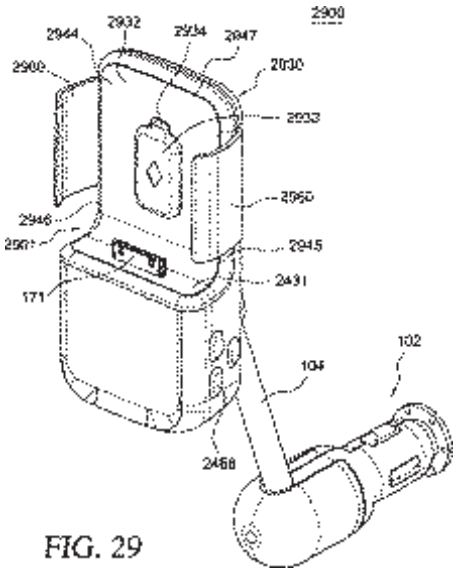

FIG. 29

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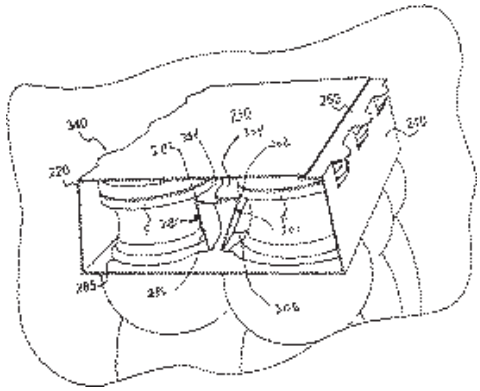
(21) 569902 (22) 17 Jan 2007
(54) A single blank erected to hold a plurality of bottle together with a brace formed between and engaging the bottles
(86) PCT/US2007/001177 (87) WO2007/084526
(51) IPC2010.01:B65D71/12,16,22,14,46

(71) Graphic Packaging International, Inc.
(72) Sutherland, Robert L;
(31) 06 759319 (32) 17 Jan 2006 (33) US
(31) 06 763425 (32) 30 Jan 2006 (33) US
(74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia
(57) A blank for forming a package for holding a plurality of containers is disclosed. The black forms a brace structure between opposing bottles that fits under a lip (F) on the bottle. This retains them in the carrier. The blank comprises a top panel (210), a bottom panel, a first side panel (220) and a second side panel (240). At least two apertures (285) in the bottom panel receive the tops of the bottles to be held. A first brace panel (286) foldably attached to the bottom panel and a second brace panel (306) foldably attached to the bottom panel interlock with each other to form the brace by folding in the middle and inserting a tab on one into a slot in another. The first and second brace panels being respectively positioned in the apertures (285).



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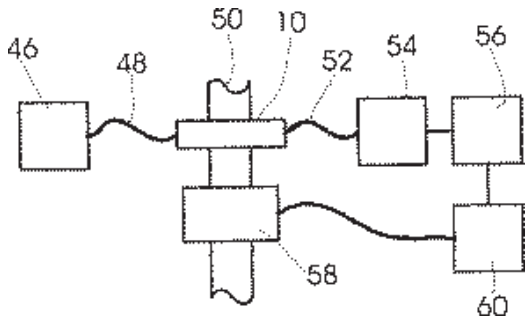
(21) 569927 (22) 12 May 2004
(54) Calibration of a fiberoptic faraday effect sensor for measuring current in a conductor
(51) IPC2010.01:G01R15/24; G01R35/00
(71) Powersense A/S
(72) Bjorn, Lars Norgaard;
(31) 03 03010594 (32) 12 May 2003 (33) EP
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A method for calibrating a fiber-optic Faraday Effect sensor (10) used to measure the current in a conductor (50) is disclosed. A light source (46), by way of fiber-optic cable (48), is passed though the faraday sensor (10) then via another fiber-optic cable (52) is sent to a detecting system (54). A separate measurement device (58) and current measurement system (58) also measures the current in the conductor (50), the output of which is processed with the output from the detector (54) by a signal processing unit (56) to calculate a calibration constant.
Divisional filed as 574555



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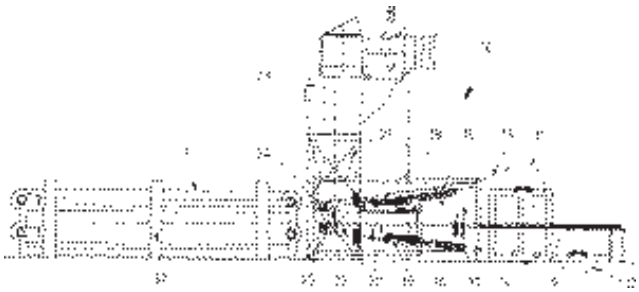
(21) 570041 (22) 30 Jan 2007
(54) Manufacture of insulated building panels
(86) PCT/AU2007/000082 (87) WO2007/087671
(51) IPC2010.01:B30B5/06; B30B15/02,06; E04C2/292,32
(71) Hilleng International Pty Ltd
(72) Clark, Graeme; Cannon, Martin; Burnett, Rodney;
(31) 06 900443 (32) 31 Jan 2006 (33) AU
(74) FISHER ADAMS KELLY, Level 29, 12 Creek Street, Brisbane, Queensland 4000, Australia
(57) Disclosed is a method of manufacture of an insulated structural panel. The method includes the step of feeding and laminating of a pair of outer skins and a core of insulating material through a press bed to facilitate adhesion of an adhesive to an internal surface of each outer skin and thus facilitate bonding of the core of insulating material to the internal surface of each outer skin. Each outer skin has an outer surface which is gripped by a conveyor having a continuous working surface in contact with each of the outer surfaces. The continuous working surface is formed by a coating of elastomer or other synthetic polymer bonded to a metal substrate by a curing or baking process.



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(21) 570134 (22) 28 Jan 2004
(54) Methods and compositions for the treatment of gastrointestinal disorders
(51) IPC2010.01:C07K7/08; C07K14/245; A61K38/10; A61P1/00; A61P9/00
(71) Ironwood Pharmaceuticals, Inc.
(72) Currie, Mark G; Mahajan-Miklos, Shalina; Norman, Thea; Milne, G. Todd;
(31) 03 519460 (32) 12 Nov 2003 (33) US
(31) 03 471288 (32) 15 May 2003 (33) US
(31) 03 443098 (32) 28 Jan 2003 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Provided is a pharmaceutical composition comprising:(a) a polypeptide selected from amino acid sequence (i) Cys Cys Glu Phe Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr; (ii) Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr; and (iii) Cys Cys Glu Trp Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr; (b) an agent selected from: (i) a proton pump inhibitor; (ii) an H2 receptor agonist; (iii) an opioid receptor antagonist; and (iv) an opioid receptor agonist; and (c) a pharmaceutically acceptable carrier. Further provided are methods of producing the polypeptides and pharmaceutical compositions.
(62) Divided Out of 541595

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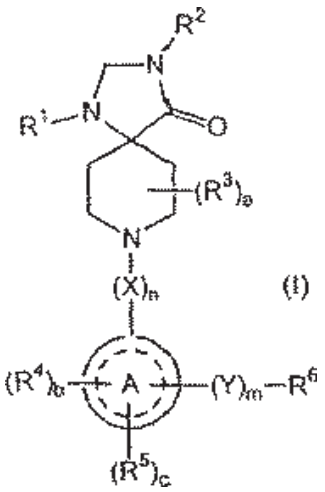
(21) 570181 (22) 5 Apr 2002
(54) 1,3,8-Triazaspiro[4.5]decan-4-one derivatives useful for the treatment of ORL-1 receptor mediated disorders
(51) IPC2010.01:C07D471/10; A61K31/435
(71) ORTHO-MCNEIL-JANSSEN PHARMACEUTICALS, INC.
(72) Pan, Kevin; Reitz, Allen B; Jordan, Alfonzo;
(31) 01 282722 (32) 10 Apr 2001 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed is a compound of the formula (I) and pharmaceutically acceptable salts thereof wherein A is selected from the group consisting of phenyl, a five membered heteroaryl and a six membered heteroaryl; R6 is selected from the group consisting of optionally substituted heteroaryl

and heterocycloalkyl and wherein the rest of the substituents are disclosed within.

Also disclosed is the use of the above compound of formula (I) for the preparation of a medicament for use in treating a disorder mediated by the ORL-1 receptor.

(62) Divided Out of 552900



(I)

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(21) 570193 (22) 17 Mar 2005

(54) Analysis of saccharide vaccines without interference

(51) IPC2010.01:G01N33/548,66

(71) Novartis Vaccines and Diagnostics S.r.l.

(72) Bardotti, Angela; Proietti, Daniela; Ricci, Stefano;

(31) 04 0406013 (32) 17 Mar 2004 (33) GB

(74) F B RICE & CO, Level 23, 44 Market Street, Sydney, New South Wales 2000, Australia

(57) Provided are pluralities of mixtures of Neisseria meningitidis capsular polysaccharide conjugates selected by analysing sialic acid, galactose and glucose content of serogroup C, W135 and Y saccharides. Further provided is the corresponding method of selecting said mixture vaccines and use of the mixture vaccines in the preparation of medicaments for treatment or prevention of infection by N. meningitidis.

(62) Divided Out of 549907

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(21) 570335 (22) 22 Dec 2006

(54) A nursing apron

(86) PCT/AU2006/001991 (87) WO2007/079523

(51) IPC2010.01:A41D1/20; A41D13/04

(71) Easy Feed Pty Ltd

(72) Tinecheff, Bree;

(31) 06 100029 (32) 12 Jan 2006 (33) AU

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A nursing apron (10) for a breastfeeding mother is disclosed. The apron comprises a blanket (12) of sufficiently large size to wrap around an upper portion of the mother's torso, and fixing means (14, 16) arranged so as to retain the blanket around the mother's torso. The fixing means includes first fixing means (14) attached to the blanket at a first end portion (20) of the blanket, and second fixing means (16) attached to the blanket at a second end portion(22) of the blanket. The locations of the first and second fixing means (14, 16) are such that the first and second ends (20, 22) overlap to a sufficient degree during use that the mother's breasts are not exposed whilst the mother is breastfeeding a baby.

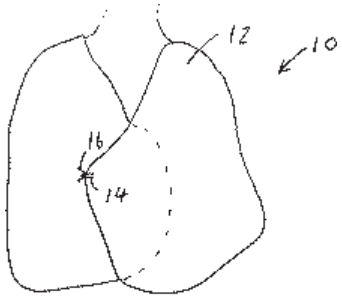

Fig. 2

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(21) 570673 (22) 14 Dec 2005

(54) Vibrational apparatus

(51) IPC2010.01:E02D7/18; B25D9/02; E21B7/24; B06B1/12; E21B7/00

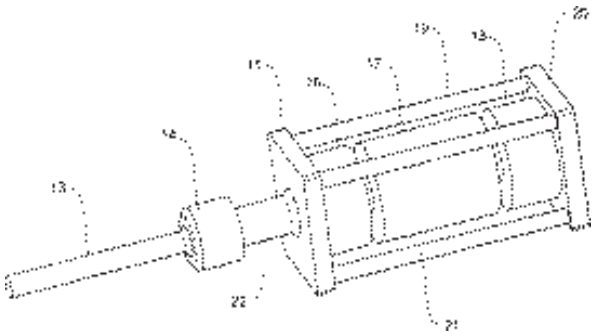
(71) FLEXIDRILL LIMITED

(72) Pfahlert, Roger;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A vibrational apparatus, capable of providing a vibrational output as a consequence of controllable relative rotation between a shuttle and its complement, where the shuttle carries first and second magnetic arrays, each about the shuttle axis, is disclosed. An input drive causes relative rotation between the shuttle and its complement. As a result of the input, and thus the relative rotation, shuttling occurs as a consequence of interactions and out of phase interactions of the first and second pairing of magnetic arrays of the shuttle and first and second magnetic arrays of the complement. As a consequence of the relative rotation and the shuttling of the shuttle relative to its complement a vibrational output is generated which is passed axially of the shuttle axis into apparatus associated with the vibrational apparatus.

Divisional filed as 582621



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(21) 570762 (22) 31 Mar 2006

(54) A wound dressing

(86) PCT/IB2006/000751 (87) WO2007/085884

(51) IPC2010.01:A61F13/00

(71) IWMT Intellectual Property Holdings (Proprietary) Limited

(72) Mouton, Jacobus Frederick;

(31) 06 000686 (32) 24 Jan 2006 (33) ZA

(74) WRAYS, Ground Floor, 56 Ord Street, West Perth, WA 6005, Australia

(57) Disclosed is a wound dressing (10). The wound dressing includes first and second absorbent layers (12, 14) of a non-woven fabric of viscose and polyester fibres. Each absorbent layer has an operatively inner face (20, 26) and an operatively outer face (18, 22). The first and the second absorbent layers are bonded together with their operatively inner

faces in face-to-face relationship, such that the absorbent layers together form a pad. The bonding between the first and second absorbent layers is put into effect by means of a needle-punching process in which the needle punching density is no more than 400 punches/cm2. The wound dressing further includes a third layer (16) sandwiched between and bonded to the first and second absorbent layers. The third layer is in the form of cotton gauze.

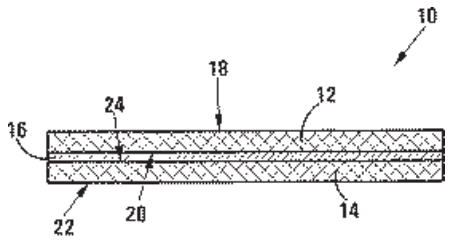

FIG 2

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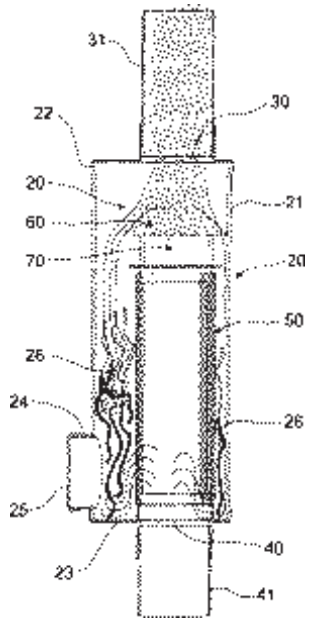
(21) 571101 (22) 8 Sep 2008
(54) A filtration device
(51) IPC2010.01:B01D29/11,60; B01D35/027; C02F1/40
(71) Robert John May
(72) May, Robert John;
(31) 2007904840 (32) 6 Sep 2007 (33) AU
(74) FISHER ADAMS KELLY, Level 29, 12 Creek Street, Brisbane, Queensland 4000, Australia
(57) A filtration system able to be used in a car park having at least one down pipe the filtration system comprising: a reservoir (20) for holding water; an inlet (30) to allow water to pass into the reservoir; an outlet (40) to allow water to flow from the reservoir; a filter (50) located within the reservoir such that the filter filters water prior to the water passing through the outlet; and a diverter (60) to divert water that passes through the inlet into the reservoir so that it is able to pass through the filter.



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(21) 571454 (22) 20 Apr 2006 (23) 23 Apr 2007
(54) A process for supercritical extraction and separation of lipid materials
(51) IPC2010.01:C11B7/00; C11B1/10; C07F9/00; A23L1/48
(71) INDUSTRIAL RESEARCH LIMITED
(72) Catchpole, Owen John; Tallon, Stephen John;
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) The disclosure relates to processes for separating a feed material into soluble and insoluble components, by contacting a feed material and a solvent and subsequently separating the solvent containing the soluble components from the insoluble components, wherein the feed material comprises one or more of: at least 1% by mass phosphatidyl serine, at least 1% by mass sphingomyelin, at least 0.3 % by mass acylalkylphospholipids and/or plasmalogens, at least 0.5 % by mass aminoethylphosphonate and/or other phosphonolipids, at least 1% by mass cardiolipin, and at least 0.3% by mass gangliosides; and wherein the solvent comprises: supercritical or near-critical CO2, and a co-solvent comprising one or more C1-C3 monohydric alcohols, and water, wherein the co-solvent makes up at least 10% by mass of the CO2, and the water content of the co-solvent is 0 to 40 % by mass. The disclosure also relates to processes for separating a feed material into soluble and insoluble components, comprising contacting a feed material and a first solvent and subsequently separating the first solvent containing the first soluble components from the first insoluble components, wherein the feed material comprises one or more of: at least 1 % by mass phosphatidyl serine, at least 1% by mass sphingomyelin, at least 0.3 % by mass acylalkylphospholipids and/or plasmalogens, at least 0.5 % by mass aminoethylphosphonate and/or other phosphonolipids, at least 1% by mass cardiolipin, or at least 0.3% by mass gangliosides; and wherein the first solvent comprises supercritical or near-critical CO2. The process then provides contacting the first insoluble components with a second solvent and subsequently separating the second solvent containing the second soluble components from the second insoluble components, wherein the second solvent comprises supercritical or near- critical CO2, and a co-solvent comprising one or more C1-C3 monohydric alcohols, and water, wherein the co-solvent makes up at least 10% by mass of the CO2, and the water content of the co-solvent is 0 to 40% by mass.
(62) Divided Out of 546681

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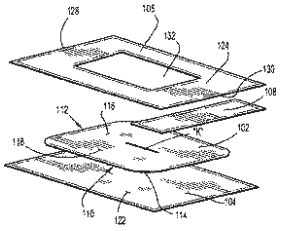
(21) 571514 (22) 25 Sep 2008
(54) Delivery system for a wound dressing
(51) IPC2010.01:A61F15/00; B65D83/08; A61F13/00,02
(71) TYCO HEALTHCARE GROUP LP
(72) Vitaris, Ronald F;
(31) 07 904262 (32) 26 Sep 2007 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) Disclosed is a delivery system for applying a wound dressing. The system includes a thin film elastomeric wound dressing having a lower surface for application to the wound area and an upper surface, a release member releasably attached to the lower surface of the wound dressing, a delivery member including a lower surface releasably attached relative to the upper surface of the wound dressing and an upper surface, and being dimensioned to support the wound dressing and thereby facilitate application of the wound dressing to the wound area. The system further includes a tab member at least partially disposed between the wound dressing and the delivery member. The wound dressing defines a longitudinal axis and has longitudinal edges along the longitudinal axis and transverse edges traversing the longitudinal axis. The lower surface of the wound dressing may have a pressure sensitive adhesive for securing of the wound dressing relative to the wound area. The tab member is releasably attached relative to the lower surface of the delivery member. The tab member defines a manually engageable section which is free from the lower surface of the delivery member. The tab member is dimensioned for manual engagement by a clinician to facilitate removal of the tab member from the delivery member.



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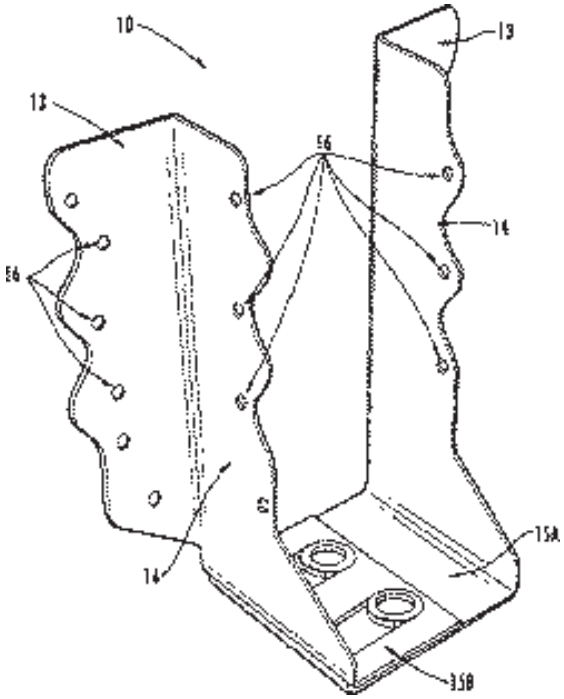
(21) 571534 (22) 25 Sep 2008
(54) An adjustable joist hanger
(51) IPC2010.01:E04B1/24,38
(71) Michael Norman Carr
(72) Carr, Michael Norman;
(31) 07 905227 (32) 25 Sep 2007 (33) AU
(74) CULLEN & CO, Level 32, 239 George Street, Brisbane, QLD 4001, Australia
(57) An adjustable bracket 10 for supporting a first building member extending in a first direction relative to a second building member extending in a second direction, the bracket 10 including a pair of bracket portions, each bracket portion having an attachment flange 13 oriented in a first plane, a side support 14 oriented in a second plane and a base wall oriented in a third plane, wherein the respective base walls of the pair of bracket portions are attached permanently to one another such that the separation distance between the side supports of the respective bracket portions is adjustable to accommodate different thickness of first building members there between, the base wall of one of the bracket portions includes one or more slot openings and one or more upstanding members are provided on the base wall of a second bracket portion, the upstanding members adapted to engage the slot openings and be slidable therein.



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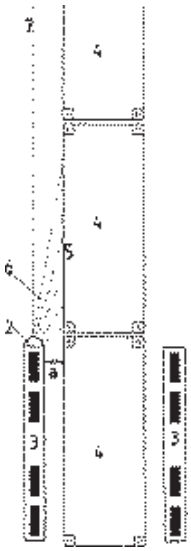
(21) 571556 (22) 26 Sep 2008
(54) Straddle carrier with automatic steering
(51) IPC2010.01:B60P1/02,64; B65G1/04,06; B66F9/065,075; B66C19/00; B65D1/28; B65D15/02; B66C13/48
(71) Noell Mobile Systems GmbH
(72) Bauer, Reinhard;
(31) 07 016156 (32) 16 Nov 2007 (33) DE
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) A straddle carrier for transporting and stacking freight containers, with automatic steering, is made up of two chassis beams having steerable wheels, for travelling over the container stack. At least one laser scanner measures the distance to a container wall from different angles, and passes the measurement signals to an electronic control, which calculates a steering angle reference value for the electronically regulated vehicle steering from the measurement signals.



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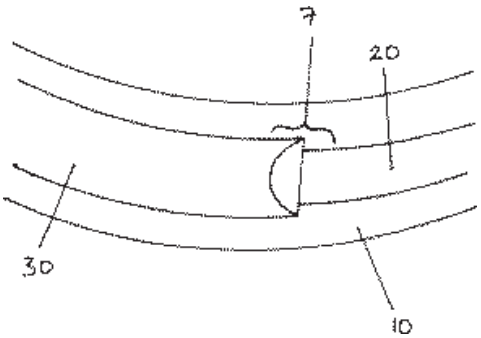
(21) 571573 (22) 29 Sep 2008 (23) 23 Apr 2009
(54) Vehicle wheel protection device
(51) IPC2010.01:B60C13/04; B60C99/00; B60B7/01,06; B60B21/12
(71) RimPro-Tec Limited
(72) Chester, Christopher John; Chester, Deborah;
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A vehicle wheel protection device including an elongate member or plurality of elongate members capable of being attached to the side wall of a tyre, or the front face of a wheel rim or wheel trim. The elongate member or plurality of members substantially correspond to the circumference of the tyre, wheel rim or wheel trim to which it is attached. No part of the elongate member or plurality of members overlaps both the wheel rim and the tyre or wheel trim and tyre when attached. The elongate member contacts only the front face of the wheel rim or wheel trim or the side wall of the tyre when attached. If the elongate member is or plurality of members are attached to the tyre side wall, the elongate member extends perpendicularly from the tyre side wall to a greater extent than the front face of the wheel rim or wheel trim. The elongate member is or plurality of elongate members are attached to the side wall of the tyre, or front face of the wheel rim or wheel trim using an adhesive.



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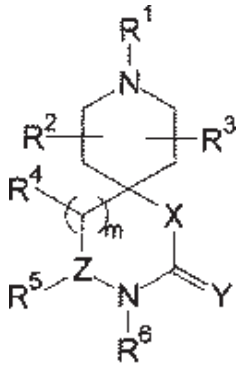
(21) 571695 (22) 23 Dec 2002
(54) Spiroazacyclic compounds as monoamine receptor for modulating 5-HT2A receptor-mediated events
(51) IPC2010.01:C07D471/10; C07D519/00; C07D513/10; C07D498/10; A61K31/438,537; A61P9/00; A61P25/00

(71) ACADIA PHARMACEUTICALS, INC.
(72) Schlienger, Nathalie;
(31) 01 344750 (32) 28 Dec 2001 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) The disclosure relates to spiroazacyclic compounds of formula (I) as monoamine receptor modulators, wherein X is O or N(RN) and the other variables are as defined in the specification; pharmaceutical compositions comprising the same; use of the said compounds in the manufacture of a medicament for treating a disease condition associated with a monoamine receptor; methods of inhibiting an activity of a monoamine receptor with said compounds; and methods for identifying a subject suitable for treatment using said compounds.
(62) Divided Out of 554354



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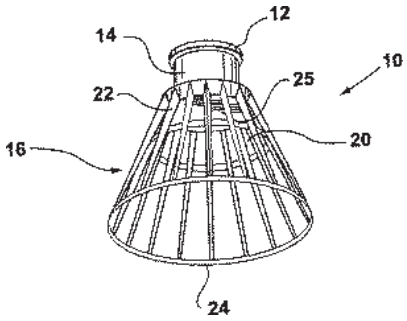
(21) 571712 (22) 2 Oct 2008
(54) Golf tee and method of making same
(51) IPC2010.01:A63B57/00
(71) Mario Caya
(72) Caya, Mario;
(31) 07 867780 (32) 5 Oct 2007 (33) US
(31) 07 2608614 (32) 30 Oct 2007 (33) CA
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) A one-piece golf tee 10 comprising, a support rim 12 for supporting a golf ball, an open body 16 having, i) a lower end adapted to support the golf tee 10 on or from a surface, and ii) an upper end for supporting the support rim 12, the open body 16 comprising, a plurality of support columns 22, each of the plurality of support columns 22 having an upper end and a lower end, and at least one support ring 25 connecting at least one of the plurality of support columns 22 to at least another of the plurality of support columns 22 above the lower end of the plurality of support columns 22, wherein the plurality of support columns 22 and the at least one supporting ring 25 of the open body 16 defines a plurality of holes 20, and a neck 14 connecting the open body 16 with the support rim 12.



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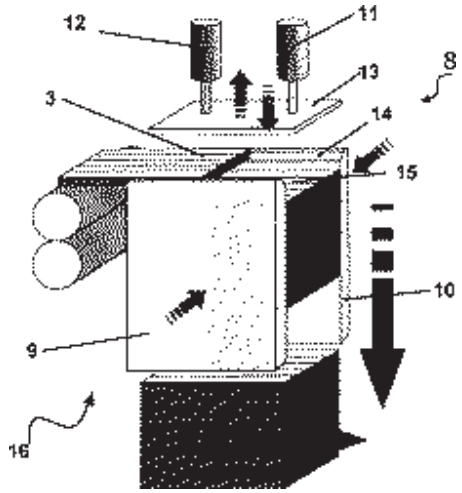
(21) 571716 (22) 1 Oct 2008 (23) 29 Sep 2009
(54) Forming layered board by placing layers successively between two vertical pressure plates which hold layers
(51) IPC2010.01:B31D3/00
(71) Corcel IP Limited
(72) van Berlo, Patrick Petrus Antonius Maria;
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) The present disclosure relates to a method of forming a board from a number of substantially planar layers, including the steps of:
a) ensuring a layer is positioned substantially in a horizontal plane; and
b) applying adhesive to the layer; and
c) moving the layer to a holding station; and
d) holding the layer horizontally against another layer within the holding station; and
e) repeating steps a) to d) until a stack of layers is formed having a height substantially equivalent to the desired width of the board to be formed;
the method characterised by the step of
f) removing the stack from the holding device once the layers have had sufficient time to bond to each other.



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(21) 571747 (22) 26 Mar 2004
(54) Process for the preparation of a protein powder composition
(51) IPC2010.01:A23C9/00; A23L1/0524; A23J1/00; A23C1/16; C08L89/00
(71) Danisco A/S
(72) Crofskey, Glen; Larsen, Gorm; Olsen, Soren;
(31) 03 0300949 (32) 1 Apr 2003(33) SE
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) Disclosed is a process for the preparation of a protein powder composition which may be reconstituted to form a protein liquid comprising the steps of;
a) providing at least one pectin source,
b) providing at least one protein base,
c) mixing said pectin source(s) with said protein base(s) to produce a protein powder composition,
d) homogenising said protein powder composition and
e) drying said protein powder composition,
wherein the pectin in a) has a degree of esterification < 50%.
(62) Divided Out of 542252

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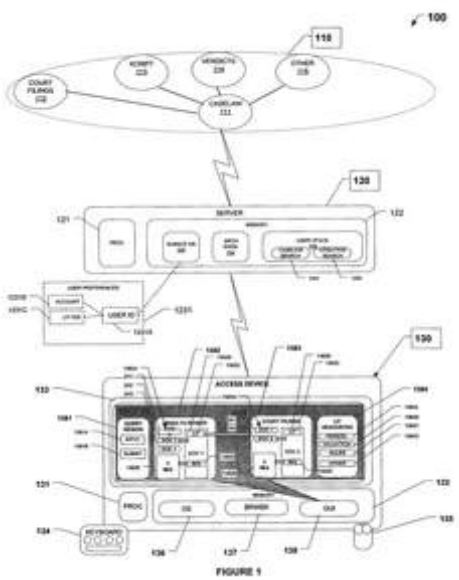
(21) 571889 (22) 3 Jan 2005
(54) Systems, methods, software and interfaces for integration of case law with legal briefs, litigation documents, and/or other litigation-support documents

(51) IPC2010.01:G06F17/30; G06Q50/00
(71) THOMSON GLOBAL RESOURCES
(72) Anderson, Steven B;
(31) 03 533860 (32) 31 Dec 2003 (33) US
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A system for the integration of case law with legal briefs, litigation documents, and/or other litigation-support documents comprises a server for an online legal-research provider and means associated with the server for returning search results to a client access device in response to a submitted legal-research query.
The server coupled to one or more databases, includes a subscriber database containing authentication credentials for a plurality of subscribers to an online legal research service; a caselaw database containing a plurality of judicial decision documents; and a database containing a plurality of court-filing documents, with each court-filing documents representative of an original litigation document filed in a legal dispute associated with at least one judicial decision.
The search results identifies one or more of the judicial decision documents and at least one user-interface element for enabling a user of the access device to access at least one of the court-filing documents related to one or more of the identified judicial decision documents.
(62) Divided Out of 548803



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(21) 571920 (22) 8 Oct 2008
(54) Formulation for oral delivery
(51) IPC2010.01:C08G63/08; A61P33/10; A61K31/365; A61K47/12; A61K45/06
(71) BOMAC RESEARCH LIMITED
(72) Alawi, Fadil Al;
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) Disclosed is an oral drench formulation including a mixture of:
a) at least one lipophilic macrocyclic lactone compound in combination with;
b) at least one hydrophilic anthelmintic compound;
characterised in that the lipophilic macrocyclic lactone compound or compounds are mixed with oil, wherein the oil is characterised by including ricinoleic acid.

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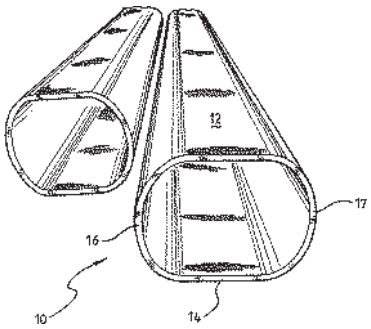
(21) 571942 (22) 13 Oct 2008
(54) Structural member of generally circular cross section with flattened portion
(51) IPC2010.01:E04C3/30,32,02,04
(71) BlueScope Steel Limited
(72) Barrett, John Fabian;
(31) 07 906406 (32) 23 Nov 2007 (33) AU
(31) 08 900703 (32) 14 Feb 2008 (33) AU
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) Structural members, processes for forming the structural members, and methods of using the members for repairing a bridge are disclosed. The member (10) is a hollow section with a generally circular cross section having one or two flat regions (14). The members may be used replace ageing timber girders in a bridge under repair.



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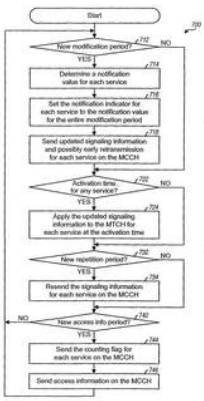
(21) 572032 (22) 10 Feb 2005
(54) TRANSMISSION OF SIGNALING INFORMATION OF BROADCAST AND MULTICAST SERVICES
(51) IPC2010.01:H04Q7/38
(71) Qualcomm Incorporated
(72) Vayanos, Alkinoos Hector; Grilli, Francesco;
(31) 04 544147 (32) 10 Feb 2004 (33) US
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) A method in a communication system is provided, including:
setting at least one counting flag for at least one service in a current modification period, the counting flag for each service being set at the start of the current modification period if counting is enabled for service; and
transmitting access information in each of a number of access info periods into the current modification period, the access information including the at least one counting flag and access information used to access the system for counting.
(62) Divided Out of 549092



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(21) 572035 (22) 15 Oct 2008
(54) Wax bolus containing zinc particles of a defined particle size
(51) IPC2010.01:A61K33/30; A61K47/44; A61P17/00,04
(71) Bomac Research Limited; Agrimin Ltd
(72) Bennison, James John;
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand
(57) Disclosed is a bolus including zinc particles wherein the zinc particles have a size between 45 microns in the shortest dimension and 150 microns in the longest dimension, and wherein the zinc particles are substantially evenly dispersed within a wax matrix.
Also disclosed is the use of zinc having low particle size and wax for manufacture of a bolus for the prevention of conditions of zinc responsive skin disorders, fungal infections and/or facial eczema.

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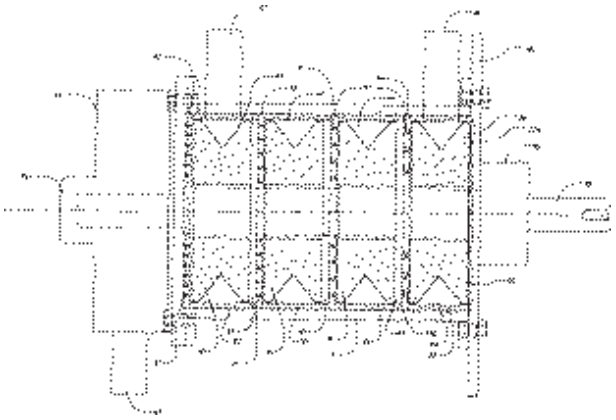
(21) 572135 (22) 5 Feb 2004
(54) Improved waste treatment and disposal system
(51) IPC2010.01:C02F9/10
(71) Namon A. Nassef
(72) Nassef, Namon A;
(31) 03 360049 (32) 6 Feb 2003 (33) US
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) An apparatus (9) for homogenizing a waste stream having a liquid portion and a solid portion, the apparatus comprising: a housing having an inlet port (38) and an outlet port (43); a central shaft (46) disposed within the housing; a means for rotating the central shaft; and at least one homogenizer stage (44) operatively connected to the central shaft; the homogenizer stage comprising a rotating blade (39) having a top edge and a bottom edge, the bottom edge of the rotating blade having a cutting surface, and a sizing screen (40) having a top side, a bottom side, and a plurality of sizing holes (41) permitting travel of the waste stream from the top side to the bottom side of the sizing screen, the top side of the sizing screen in contact with the cutting surface of the bottom edge of the rotating blade.
(62) Divided Out of 542310



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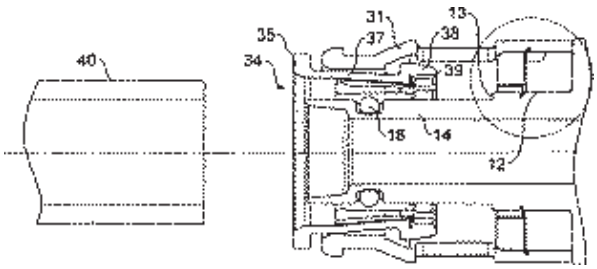
(21) 572174 (22) 21 Oct 2008
(54) Tube couplings
(51) IPC2010.01:F16L21/04; F16L33/22; F16L37/091
(71) JOHN GUEST INTERNATIONAL LIMITED
(72) Guest, Timothy Steven;
(31) 0723646.6 (32) 3 Dec 2007 (33) GB
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand
(57) A tube coupling for receiving and holding an end of a tube 40 comprising a coupling body having a head and a hollow stem projecting from the head which is adapted to engage in a tube 40 to be secured to the coupling body, a cap mounted on the head of the coupling body and encircling the stem with a gap between the cap and stem to receive a tube 40 engaged over the stem, a tube locking device in the cap for locking the tube 40 against withdrawal from the stem and a locking ring 34 located on the stem within the cap, the ring 34 having both inwardly and outwardly projecting teeth for engaging respectively the inner and outer surfaces of the cap and stem to lock the cap on the stem.



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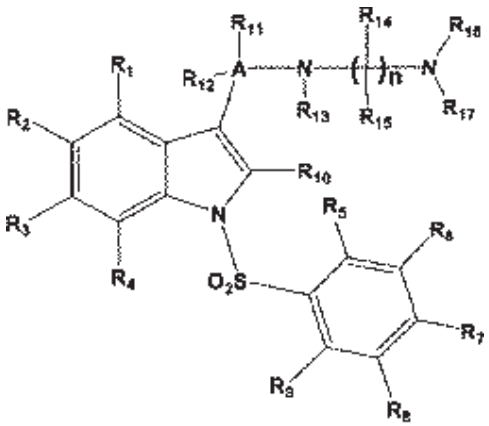
(21) 572186 (22) 5 Jun 2003
(54) N-arylsulfonyl-3-substituted indoles having serotonin receptor affinity, process for their preparation and pharmaceutical composition containing them
(51) IPC2010.01:C07D209/12,14; C07D401/12; C07D403/06; C07D209/18; A61K31/4045; A61P25/00
(71) SUVEN LIFE SCIENCES LIMITED
(72) Ramakrishna, Venkata Satya Nirogi; Shirsath, Vikas Shreekrishna; Kambhampati, Rama Sastri; Rao, Venkata Satya Veerabhadra Vadlamudi; Jasti, Venkateswarlu;
(31) 02MA 884 (32) 28 Nov 2002 (33) IN
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) Disclosed is a process for the preparation of N-arylsulfonyl-3-substituted indole compounds of formula (I), wherein the substituents are as defined in the specification, their tautomeric forms, stereoisomers, geometric forms, N-oxides, polymorphs and pharmaceutical formulations. Also disclosed are the compounds prepared by the above process. The compounds are useful for treatment of mental disorders, migraines, hypertension sleep disorders.
(62) Divided Out of 540840



General Formula (I)

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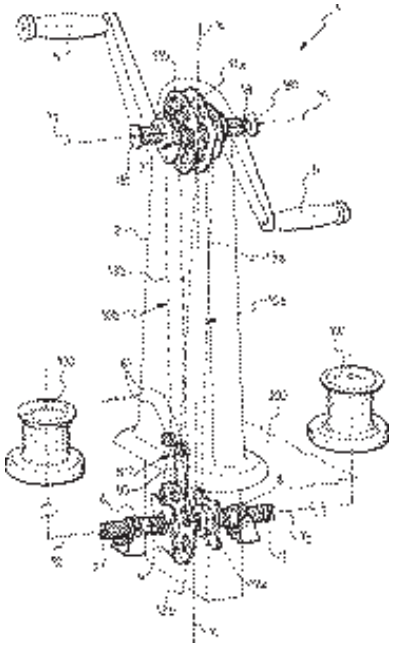
(21) 572331 (22) 28 Oct 2008
(54) Pedestal for a sailing boat with selectable gear ratios
(51) IPC2010.01:B66D1/04,24,26; F16H9/24; B66D1/74; B63H9/10
(71) HARKEN ITALY S.p.A.
(72) Ottemann, William C; Wiss, Mark G; Cazzaro, Michele;
(31) 07 425701 (32) 7 Nov 2007 (33) EP

(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand

(57) Disclosed is a pedestal (1) for a sailing boat. The pedestal includes a casing (2) inside of which is at least one driving wheel (11a, 11b) associated with a motion input shaft (3), at least one driven wheel (12a, 12b) associated with a motion output shaft (4) and at least one motion transmission element (13a, 13b) which is a chain or belt connecting the driving wheel (11a, 11b) to the driven wheel (12a, 12b). Also included within the casing is a speed variation system to vary the rotation speed of the motion output shaft (4) with respect to that of the motion input shaft (3).



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(21) 572334 (22) 19 Dec 2005

(54) Phototherapy compositions comprising 8-methoxypsoralen and 2-ethylhexyl p-dimethylaminobenzoate

(51) IPC2010.01:A61K31/37; A61K47/32; A61K31/216; A61P17/00,06,16; A61P35/00; A61K31/343,352

(71) OMJ IRELAND LIMITED

(72) Decola, Dennis; Cole, Curtis;

(31) 04 638213 (32) 22 Dec 2004 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A composition comprising 1.0 g wheatgerm oil, 24.9 g isopropyl myristate, 0.1 g butyl-hydroxy-toluene, 100 g peanut oil, 0.1% 8-methoxypsoralen (also known as methoxsalen or xanthotoxin), 2% 2-ethylhexyl p-aminodimethyl benzoate (also known as Escalol 507 or padimate-O) and 5% ethanol is disclosed. Also disclosed is a composition comprising 0.1% 8-methoxypsoralen, 2% 2-ethylhexyl p-aminodimethyl benzoate, 1.0 g sodium lauryl sulphate, 6.0 g propylene glycol, 10.0 g stearylic alcohol, 56.0 g Vaseline and 0.05 g methyl parahydroxybenzoate. The compositions are useful in phototherapy.

(62) Divided Out of 554855

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(21) 573400 (22) 3 Dec 2008

(54) PROCESS FOR OBTAINING A CONCENTRATE OF VON WILLEBRAND FACTOR OR A COMPLEX OF FACTOR VIII/VON WILLEBRAND FACTOR AND USE OF THE SAME

(51) IPC2010.01:C07K14/755; A61K38/37

(71) GRIFOLS, S.A.

(72) Ristol Debart, Pere; Faro Tomas, Maria Mercedes; Jorquera Nieto, Juan Ignacio;

(31) 08 0800021 (32) 8 Jan 2008 (33) ES

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Provided is a process for obtaining a concentrate of Von Willebrand Factor or a complex of Von Willebrand Factor of human or recombinant origin, characterised by: a) preparation of a solution of Von Willebrand Factor or a complex of Factor VIII/Von Willebrand which contains VWF in a concentration of up to 12 IU VWF:RCo/ml and a proportion between Von Willebrand Factor/Factor VIII of 0.4 or more, b) nanofiltration of the solution prepared in a) through a filter having a pore size of less than 35 nanometers in the presence of calcium ions at a concentration above about 0.05 mM. Further provided is the use of the concentrate in the manufacture of a medicament to treat haemophilia A or Von Willebrand's disease.

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(21) 573771 (22) 19 Dec 2008

(54) Loop and installation method thereof using sheets of thermoplastic material to bond the loop to a road surface

(51) IPC2010.01:G08G1/01; G01R1/02; B32B27/00

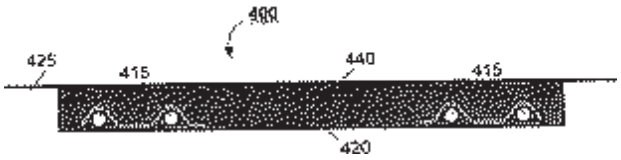
(71) PJ's Loop Service Pty Ltd

(72) Gambell, Peter James;

(31) 08 900156 (32) 11 Jan 2008 (33) AU

(74) SPRUSON & FERGUSON, St Martins Tower, Level 35, 31 Market Street, Sydney, New South Wales 2000, Australia

(57) A loop apparatus (400) for detecting vehicles on a roadway (425) is disclosed. The loop apparatus (400) is made by placing an insulated loop of conductive wire (415) on a surface of the roadway (420), covering it with a sheet of thermoplastic material (430) then mechanically bonding it to the surface of the roadway (420) as a result of heating applied to the cover layer (415). The whole apparatus may then be covered by new road material (440). A bottom sheet may also be provided under the insulated loop (415). The insulated loop may come pre-formed already encapsulated by the thermoplastic material.



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(21) 573835 (22) 17 Feb 2004

(54) Apparatus and method for manipulating images

(51) IPC2010.01:G06T11/60

(71) SERVERSIDE GROUP LIMITED

(72) Elgar, Adam; Elgar, Tom;

(31) 03 406519 (32) 3 Apr 2003(33) US

(31) 03 447972 (32) 18 Feb 2003 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A computer system for applying a personalized image to a financial account access means corresponding to a financial account of a customer is provided. The computer system includes:

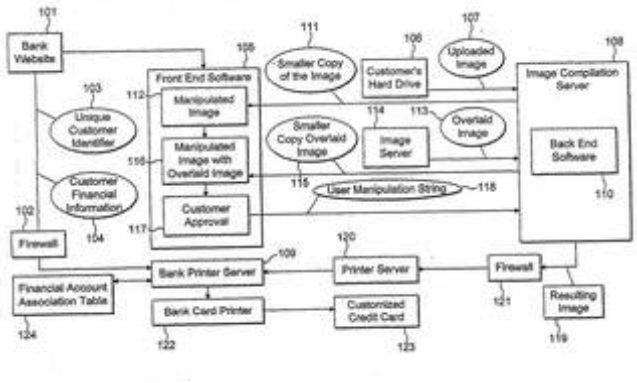
a financial account association table associating financial data, corresponding to the financial account of the customer, with a customer identifier;

an image manipulation emulator for associating the customer identifier with user image selection data based on user selections made on a user interface in relation to a graphical representation of at least a portion of an original image held in an image store; and

an image application means for applying the personalized image to the financial account access means, the personalized image being based on the user image selection data associated with the customer identifier by the image manipulation emulator.

The system maintains at least the financial account association table securely from the user interface.

(62) Divided Out of 543516



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(21) 574195 (22) 15 Jan 2009

(54) Apparatus and method for conveying a sheet

(51) IPC2010.01:B32B31/04

(71) Meinan Machinery Works, Inc.

(72) Nishimary, Ritsuo; Akita, Hideki;

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) An apparatus and a method for successively conveying a series of sheets are disclosed. The apparatus has a first conveyer for conveying a sheet in a sheet conveying direction at a first speed and a second conveyer disposed spaced vertically away from the first conveyer for conveying the sheet in the same direction at a second speed. The second conveyer has a region overlapping with the first conveyer at least for a distance corresponding to a dimension of the sheet, e.g. the width of veneer sheet, as measured in the sheet conveying direction. A suction mechanism is disposed in said overlapping region for transferring by suction the sheet in the entirety of its dimension from the first conveyer to the second conveyer and holding by suction the sheet against the second conveyer. The sheet is further moved by the second conveyer, e.g. to a sheet stacking station.

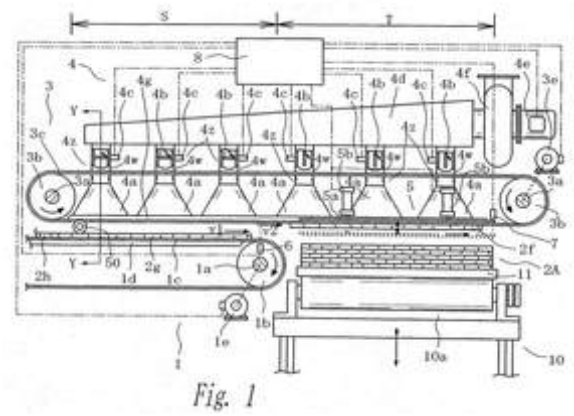

Fig. 1

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(21) 575472 (22) 12 Mar 2009

(54) Cylindrical liquid applicator with cover

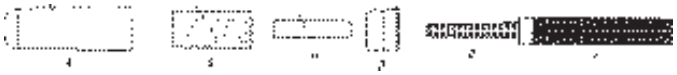
(51) IPC2010.01:B05C1/00; B05C17/00; A46B11/00; B05C1/02; B05C7/08; B29C65/54

(71) Robert Calvin Slade

(72) Slade, Robert Calvin;

(74) CULLEN & CO, Level 32, 239 George Street, Brisbane, QLD 4001, Australia

(57) A plumber's liquid applicator for applying liquid to join pipes or fittings, the applicator including an elongate body including a handle 1 and a stem 2 extending from the handle 1, an absorber 5 for mounting to the stem 2 and for insertion into the liquid so as to absorb the liquid to be applied to the pipes or fittings, and a seal 3 for mounting to the body and able to be pushed into engagement within an opening of a container 6 so that the absorber 5 is sealed within the container 6.



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(21) 575524 (22) 13 Mar 2009

(54) A slider for a slide fastener where the diamond has a cavity to assist in maintaining dimentional stability during cooling

(51) IPC2010.01:A44B19/06,30; B22D30/00; B22D17/16

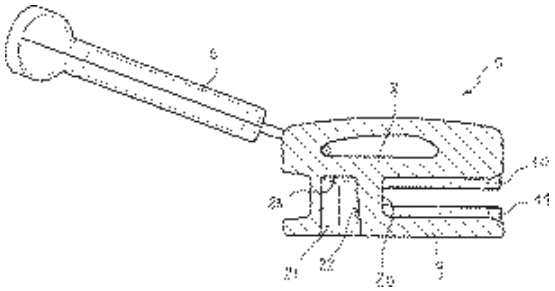
(71) Riri S.A.

(72) Peano, Roberto;

(31) 08 08004704.6 (32) 13 Mar 2008 (33) EP

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A slider (5) for a slide fastener is disclosed. The slider (5) has a structure with an upper blade (10), a lower blade (11), lateral flanges and a diamond (20) connecting the upper (10) and lower blades (11). The diamond (20) has a blind cavity (21) with the opening in the lower blade (11). The cavity sides (22) are of substantially constant thickness and parallel to the external faces of the diamond (20). The cavity (21) assists to maintain the dimensional stability of the slider (5) when cooling down after casting.



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(21) 575626 (22) 1 Nov 2006

(54) Method of promoting unrestricted flow of irrigation water through irrigation networks

(51) IPC2010.01:E02B13/00; A01G25/00; C02F1/00; C02F5/00

(71) CH20 INCORPORATED

(72) Iverson, Carl E;

(31) 06 407414 (32) 20 Apr 2006 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is a method of substantially providing unrestricted flow of irrigation water through an irrigation network comprising water and discharge emitters and conduits that deliver irrigation water to the emitters, the emitters having small sized passageways susceptible to plugging, the method comprising the step of:

admixing a biofilm reducing agent (BRA) and a mineral deposit distorting agent (MDDA) with the irrigation water, wherein the MDDA is selected from the group consisting of phosphonate compounds, phosphonic acid compounds, derivatives of phosphorus blends of phosphonate phosphorus derivates, and phosphonic acid compounds, citric acid, acetic acid, mineral acid and mixtures thereof;

wherein the BRA is an oxidiser that substantially eliminates biofilm formation;

wherein the MDDA cause the mineral deposits to be amorphous;

and wherein the BRA and the MDDA are admixed with the irrigation water in amounts sufficient to substantially eliminate biofilm formation in the emitters and produce amorphous mineral deposits in the emitters that are washed away by the irrigation water as it flows through the emitters, wherein plugging of the emitters is eliminated.

(62) Divided Out of 550975

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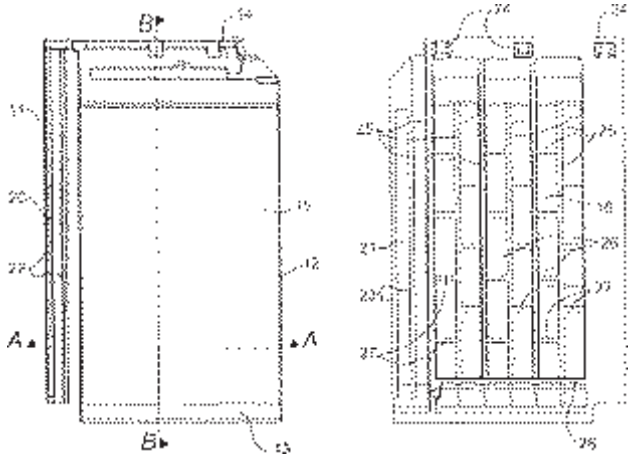
(21) 576170 (22) 9 Apr 2009
(54) A clay roof tile
(51) IPC2010.01:E04D1/16
(71) Bristile Pty Ltd
(72) Stacey, Blake Edward;
(74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia
(57) A clay roof tile, the tile being generally square or rectangular and having a pair of side edges (11, 12), leading and trailing edges (13, 14) and front and rear surfaces (15, 16). A first of the pair of side edges (11) forms an underlap (20) and the second of the pair of side edges (12) forms an overlap (21) so that the underlap of one tile underlies the overlap of another tile when a pair of tiles are laid next to each other. The rear surface includes a drift bar (28) upstanding from the rear surface and extending widthwise of the tile in a direction between the side edges. The rear surface (16) includes a plurality of strengthening ribs (25, 27). The portion of the front surface (15) which is exposed in a tiled roof is substantially flat and the leading end (13) extends from the front surface and is generally curved in a direction so that the distal end of the leading end rests upon the front surface of an adjacent tile, at or adjacent the trailing edge (14) of the adjacent tile, when a pair of tiles are laid end to end.



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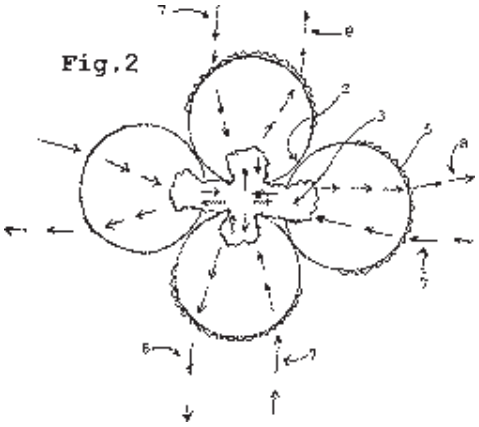
(21) 576825 (22) 7 May 2009
(54) A reflector apparatus suitable for roads and vehicles or as an ornament
(51) IPC2010.01:G02B5/126
(71) Leif Levon
(72) Levon, Leif;
(31) 08 0810263 (32) 4 Jun 2008 (33) GB
(31) 08 0813946 (32) 31 Jul 2008 (33) GB
(31) 09 0901332 (32) 28 Jan 2009 (33) GB
(31) 08 08445033 (32) 14 Oct 2008 (33) EP
(31) 09 09445010 (32) 31 Mar 2009 (33) EP
(74) COLLISON & CO, 117 King William Street, Adelaide, South Australia 5001, Australia
(57) A safety reflector suitable for roads and vehicles, able to receive external ambient light 7 or other remote energy sources from at least two directions in order to luminesce or fluoresce a body 3 lodged in a tapered section between at least two reflectors 1 placed in close proximity to one another. The reflector may have lenses fitted in or near its tapered or converging end. Preferably the reflector is able to emit light at 360 degrees even when received light appears from one direction only. The reflector may be equipped with auxiliary diode lights powered by solar cells or transferring energy from a distantly located primary coil and a secondary coil housed within a safety device (not shown).



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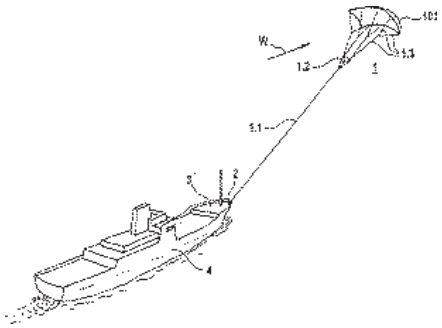
(21) 577289 (22) 19 Apr 2005
(54) Positioning device for a free-flying kite-type wind-attacked element in a wind-powered watercraft
(51) IPC2010.01:B63H9/06
(71) Skysails GmbH & Co. KG
(72) Wrage, Stephan;
(31) 04 018838 (32) 19 Apr 2004 (33) DE
(74) Pizzeys Patent and Trade Mark Attorneys, Level 2, Woden Plaza Offices, Woden Town Square, Woden, ACT 2606, Australia
(57) A positioning apparatus for a freely flying kite-like element on which wind acts, having a wing profile 101 as the exclusive propulsion system, as an auxiliary propulsion system or as an emergency propulsion system. The kite-like element is connected via a hawser 1.1 to a watercraft 4. The apparatus is characterised in that a winch having a drive mechanism is provided which has means which result in the hawser 1.1 being pulled-in in the event of imminent stall or if stall has occurred. The apparatus is further characterised in that a pulling-in process and a paying-out process, particularly in a relatively high sea state, are carried out in such a manner that undesirable vessel movements in the cable direction are compensated for by a phase-shifted drive.
(62) Divided Out of 550719



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(21) 577306 (22) 21 May 2008
(54) Injector needle shroud
(51) IPC2010.01:A61M5/32,20; A61D7/00
(71) Simcro Tech Limited
(72) Walker, Rodney Gordon; Ebbett, Todd Donald; Standing, Colin Anthony;
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand
(57) A needle shroud for an injector is disclosed. The needle shroud includes a body having a connecting means for releasable connection to the injector when in a first mode of operation. The body has an aperture therethrough, which is shaped and dimensioned to allow a needle to

extend through the body when the needle shroud is connected to the injector. The body of the needle shroud has a cavity shaped and dimensioned to receive the needle, whereby the cavity includes a formation shaped and dimensioned to be engageable with a complementary formation of the needle when the needle has been received in the cavity. Rotation of the needle shroud causes rotation of the needle, thereby allowing disengagement of the needle from the injector with the needle housed in the cavity. The needle shroud is reusable with a further the needle.

(62) Divided Out of 555327

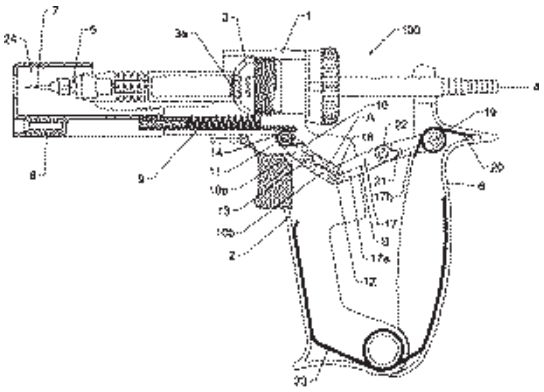

Figure 1

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(21) 577451 (22) 5 Jun 2009

(54) Remote Interface for a Medical Device

(51) IPC2010.01:G06Q50/00; G06Q90/00; A61B5/00

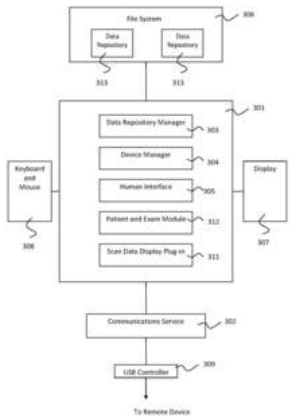
(71) Signostics Pty Ltd

(72) Nuttall, Luke; Betts, Nicholas;

(31) 2008902837 (32) 5 Jun 2008 (33) AU

(74) Signostics Pty Ltd, 40-46 West Thebarton Road, Thebarton SA, Australia

(57) A system for management of data associated with a hand held medical device is provided. The system includes connectable hardware providing a communications channel between the device and a remote computer. The remote computer includes computer readable media including program instructions which when executed by a processor cause the processor to identify at least the class of the device to the system and to provide access to a data store of the device; to transfer medical scan data previously gathered by the medical device and stored in said data store from said data store of the device to a memory storage of the system; to store, examine or annotate the scan data and to display the scan data and any associated patient information or annotations to a user of the system.



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(21) 578300 (22) 10 Jul 2009

(54) Gutter guard retainer

(51) IPC2010.01:E04D13/04,072

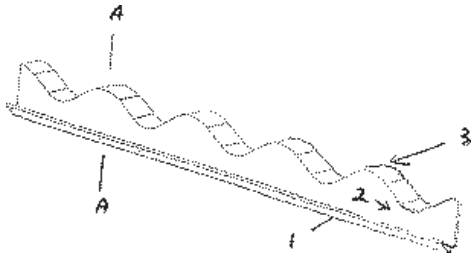
(71) John David McAndrew

(72) McAndrew, John David;

(31) 09 900841 (32) 17 Feb 2009 (33) AU

(74) John David McAndrew, 915 Beams Road, Bridgeman Downs, Brisbane, QLD, AUS 4035, Australia

(57) An elongate retainer A attachable to the end of contoured metal roof sheeting for the purpose of holding gutter guard mesh, wire or other barrier, wherein the retainer A is elongated of approximate Z shaped cross section, where the top part 3 of the approximate Z shaped cross section has a contour to conform with the profile of the roof sheeting, and the top edge of the middle part 2 of the approximate Z shaped cross section has a contour to conform with the profile of the roof sheeting, the bottom part 1 of the approximate Z shaped cross section is flat and acts as a retaining edge for the gutter guard material



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(21) 579091 (22) 14 Aug 2009

(54) An improved cleaning method and apparatus for use with the method

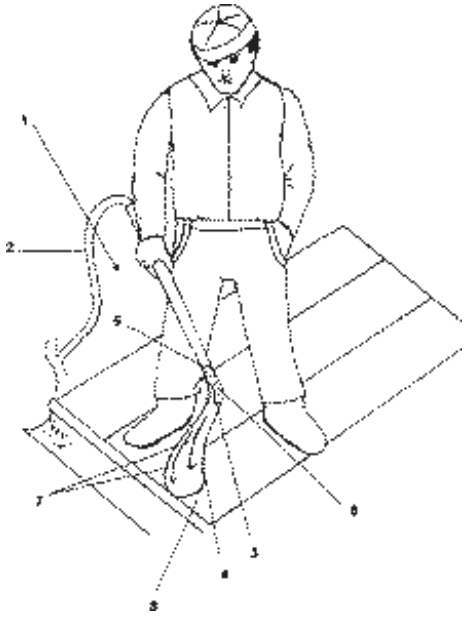
(51) IPC2010.01:A47L11/38; B05B1/28; E01H1/10; B08B3/04; B08B1/00; A47L13/23,22

(71) Rolling Stone Cleaning Co Limited

(72) Clark, Graeme Henry;

(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand

(57) Disclosed is a method and apparatus for cleaning a substrate with a liquid sprayer. The method including the steps of connecting the liquid sprayer to a liquid supply, fitting a flexible woollen sleeve to an outlet of the sprayer and applying liquid to the substrate via the sprayer outlet.



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(21) 580058 (22) 7 Sep 2007

(54) A machine for forming a beverage where the water heater is turned off before the water is emptied out of the reservoir

(51) IPC2010.01:A47J31/44,56,32

(71) Keurig, Incorporated

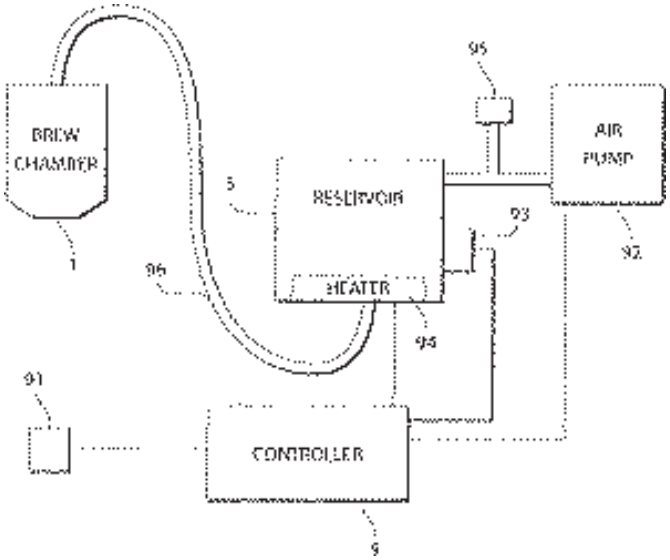
(72) Brudevold, Finn; Huang, Jianming;

(31) 06 843012 (32) 7 Sep 2006 (33) US

(74) Pizzeys, Level 2, Professional Offices, Westfield Shopping Centre, WODEN ACT 2606, Australia

(57) A beverage forming machine is disclosed. The machine comprises a brew chamber (1) for receiving a beverage cartridge, a reservoir (5) for receiving precursor liquid for use in forming a beverage, a brew indication switch (91) for receiving an indication from a user to begin a brewing cycle, a heater (94) for heating precursor liquid in the reservoir, a detector (93) for detecting a desired temperature of precursor liquid in the reservoir, an air pump (92) for providing pressurized air to the reservoir and a controller (9) constructed and arranged to control operation of the heater (94) and the air pump (92). The controller (9) is adapted to control the heater (94) to heat the precursor liquid and cause the air pump (92) to deliver pressurized air to the reservoir (5) in response to the detector (93) detecting that the precursor liquid is at the desired temperature.

(62) Divided Out of 575941



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(21) 580234 (22) 8 Oct 2009

(54) Modular footing system

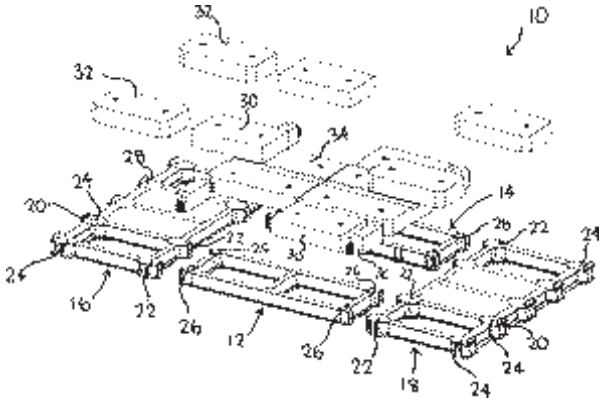
(51) IPC2010.01:E04B1/00

(71) Royal Wolf Trading Australia Pty Limited

(72) SINGER, Chris; RYAN, Scott;

(74) DAVIES COLLISON CAVE - SYDNEY, 255 Elizabeth Street, Sydney, New South Wales 2000, Australia

(57) This discloses a modular footing system 10 for use with a module or structure, which includes a number of rectangular frames 12 14 16 18 with coupling members 26 22 to removably fix adjacent frames to each other. At least one of the frames includes a space able to receive a block member 30 32 34 that provides weight, the block member 30 32 34 being received substantially within that space.



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(21) 580246 (22) 8 Oct 2009

(54) Scaffold stair foldable and with platform surface free of side obstruction

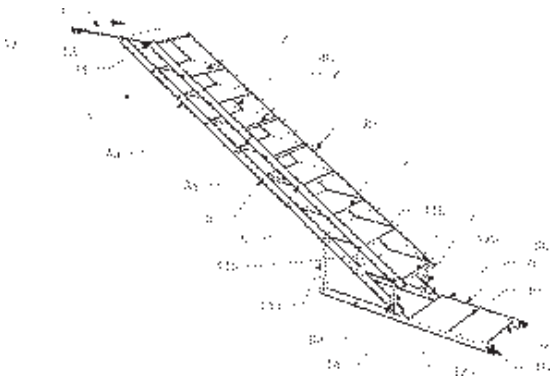
(51) IPC2010.01:E04G1/30,34

(71) Bruce Joseph Senior

(72) Senior, Bruce Joseph;

(74) A J PIETRAS & CO, Level 2, Gibson Sheat Centre, 1 Margaret Street, Lower Hutt, New Zealand

(57) A stair is disclosed having a platform, an upper pair of beams, a lower pair of beams, a plurality of steps extending transversely between the beams, the steps being pivotally secured to each beam, the beams being pivotal with respect to the platform such that the beams, the steps and the platform can assume a substantially flat disposition for storage and wherein the beams can subsequently be swung with respect to the platform such that the stair assumes an erect functional disposition, the stair having an upper and lower connections adapted to enable it to engage the bars of a scaffold structure when in use, and such that the standing surface of the platform is substantially clear from side obstruction.



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(21) 580480 (22) 12 Oct 2004

(54) Novel crystalline forms of {2-[1-(3,5-bis-trifluoromethylbenzyl)-5-pyridin-4-yl-1H-[1,2,3]triazol-4-yl]-pyridin-3-yl}-(2-chlorophenyl)-methanone

(51) IPC2010.01:A61K31/44; C07D401/04; C07D213/46; A61P25/00

(71) ELI LILLY AND COMPANY

(72) Borghese, Alfio; Coffey, David Scott; Footman, Pamela Kaye; Pedersen, Steven Wayne; Reutzel-Edens, Susan Marie; Tameze, Shella Lenyonga; Weber, Carsten; Timpe, Carsten;

(31) 03 514300 (32) 24 Oct 2003 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is the compound (2-chlorophenyl)-[2-(2-hydroxy-2-pyridin-4-yl-vinyl)-pyridin-3-yl]-methanone, or a salt thereof.

Also disclosed is a process for preparing the compound {2-[1-(3,5-bistrifluoromethylbenzyl)-5-pyridin-4-yl]-1H-[1,2,3] triazol-4-yl]-pyridin-3-yl}-(2-chlorophenyl)-methanone, comprising reacting (2-chlorophenyl)-[2-(2-hydroxy-2-pyridin-4-yl-vinyl)-pyridin-3-yl]-methanone or a phosphate salt thereof with 1-azidomethyl-3-,5-bistrifluoromethylbenzene in the presence of a suitable base and a solvent.

(62) Divided Out of 545917

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(21) 580726 (22) 19 Jan 2006

(54) Low friction, direct drive conveyor belt

(51) IPC2010.01:B65G23/06

(71) THERMODRIVE LLC

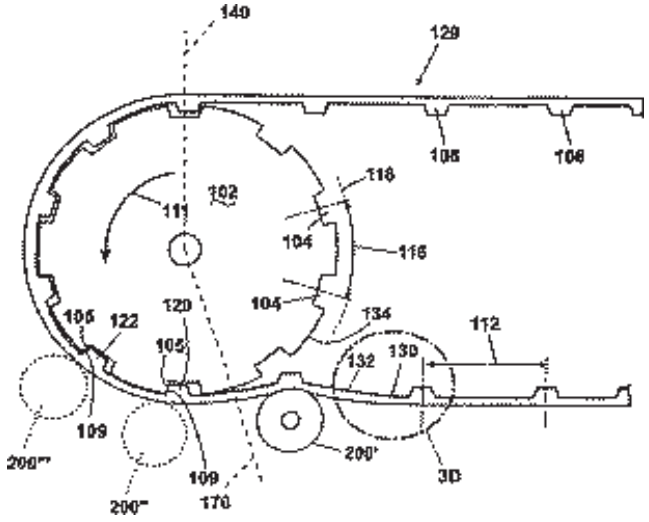
(72) Degroot, Michael;

(31) 05 593493 (32) 19 Jan 2005 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A direct drive conveyor 129 comprising an endless belt, stretchable through its length, at least one drive pulley 102 wherein one of the belt and the pulley 102 has teeth 106 134 and the other of the belt and the pulley 102 has recesses 104 130 adapted to receive the teeth 106 134 as the belt wraps around the pulley 102 to an exit point, and means to minimize friction 132 between the belt and the drive pulley 102.

(62) Divided Out of 556583



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(21) 581329 (22) 23 Nov 2009 (23) 15 Dec 2009

(54) Composite Disposable Bed Linen Package

(51) IPC2010.01:A47G9/02

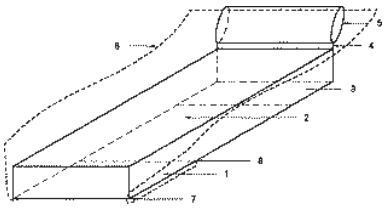
(71) Mogambiree Pillay

(72) Pillay, Mogambiree;

(74) Mogambiree Pillay, 81a Hastings Road, Mairangi Bay, Auckland 0630, New Zealand

(57) This discloses a composite disposable bed linen package comprising a fitted bottom sheet 2, with an integral top sheet 6 made from a single piece of cloth, and an attached pillow case 5 with seams 4 enabling the pillow to pivot. The package is secured to the mattress 3 by pre-formed pockets at the head and foot end without zips, clips, ties or hooks and loop fasteners.

(61) Addition to 579291



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(21) 581425 (22) 25 Nov 2009

(54) Floating treatment streambed

(51) IPC2010.01:C02F1/24,26; C02F3/30; C02F7/00; C02F9/00; C02F103/02

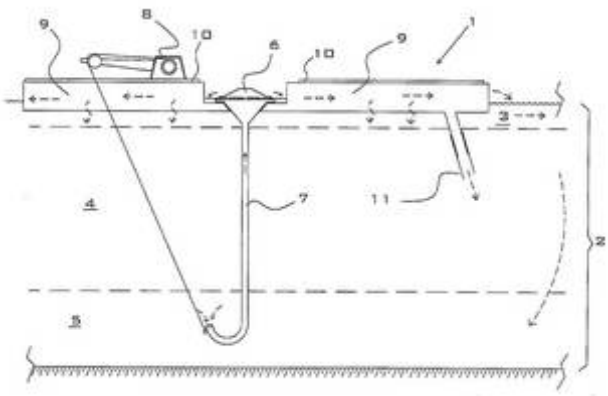
(71) Fountainhead, LLC

(72) KANIA, Bruce G.; STEWART, Frank M.;

(31) 61/260,800 (32) 12 Nov 2009 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 16, HSBC House, 1 Queen Street, Auckland 1010, New Zealand

(57) A floating streambed is disclosed. The floating streambed comprises a circulation pump having an inlet hose or pipe, an inlet hose or pipe depth adjuster, and one or more treatment channels comprised of permeable matrix. The floating streambed floats on a water body where water enters the inlet hose from the water body and is pumped by the circulation pump into the treatment channels. Water entering the treatment channels flows both horizontally through the treatment channel and into the water body and vertically downward through the permeable matrix of the treatment channels.



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(21) 581460 (22) 2 Feb 2004

(54) POLYMER CONJUGATES OF MUTATED NEUBLASTIN

(51) IPC2010.01:C07K1/00

(71) Biogen Idec MA Inc.

(72) Sah, Dinah Wen-Yee; Pepinsky, R. Blake; Boriack-Sjodin, Paula Ann; Miller, Stephen S.; Rossomando, Anthony; Silvian, Laura;

(31) 10/356,264 (32) 31 Jan 2003 (33) US

(74) CULLEN & CO, Level 32, 239 George Street, Brisbane, QLD 4001, Australia

(57) Provided is a dimer comprising a first neublastin polypeptide and a second neublastin polypeptide, wherein (a) at least one of the polypeptides is glycosylated, and (b) at least one of the polypeptides is conjugated at its N-terminus to a water-soluble synthetic polymer, which can be polyethylene glycol (PEG).

(62) Divided Out of 541921

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(21) 581496 (22) 16 Mar 2006

(54) THREE-DIMENSIONAL MOTION CAPTURE USING ORIENTATION OF VIRTUAL STRUCTURES

(51) IPC2010.01:G06T17/00; G03B17/00

(71) Lucasfilm Entertainment Company Ltd.

(72) Sullivan, Steve; Davidson, Colin;
(31) 60/662,973 (32) 16 Mar 2005 (33) US
(74) Pizzeys, Level 2, Professional Offices, Westfield Shopping Centre, WODEN ACT 2606, Australia
(57) Disclosed is a method for determining an orientation of a virtual structure. The method comprises the following steps: for one or more support structures coupled to an object, associating a position of the support structure to a position of a corresponding virtual support structure for a virtual skeleton, wherein one or more marks on the support structure substantially correspond in position to one or more virtual marks on the virtual support structure. A further step is receiving a first frame associated with one or more camera views and selecting one or more first marks in the first frame. For each selected first mark, a ray trace extending from a camera view through the first mark is calculated. A first orientation of the virtual skeleton is determined by aligning one or more of the virtual marks to substantially lie on the ray traces as constrained by one or more joints and movement possibilities of the virtual skeleton, wherein one or more additional aligned virtual marks serves as an additional constraint for determining the first orientation.
(62) Divided Out of 561570

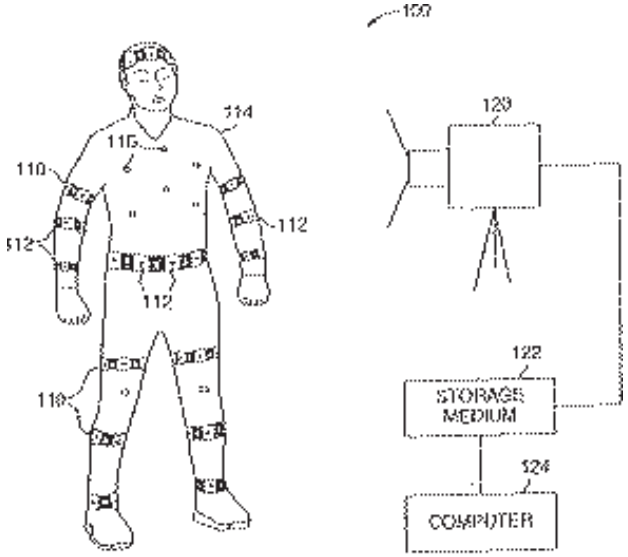
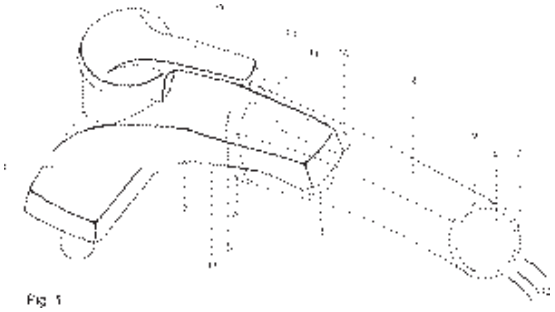


FIG. 1



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(21) 581572 (22) 2 Dec 2009
(54) Rotatable tube sealed on spigot via washer, with central and end apertures providing selectable exit flow via tube rotation
(51) IPC2010.01:E03C1/04,086
(71) Taiyo Christian Weber
(72) Weber, Taiyo Christian;
(74) Masako Katoaka, 18 Merlewood Avenue, Christchurch, New Zealand
(57) A tube is disclosed for coupling to a spigot, including a first opening at a first end of the tube providing for fluid flow parallel to the tube axis, a second opening at the opposite tube end, and a third opening in the tube wall between the tube ends. A connecting means includes a washer so as to seal the tube to the spigot. The tube is rotatable between two configurations. In a first configuration water exits via the second opening while the third opening is directed upwardly. In the second configuration water exits the third opening which is directed downwardly after the tube has been rotated a half turn about the spigot.