

Search history

Search 1: FT=(cap*and thread* and tooth*) (Results 0)

Search 2: 1.and notch* and skirt* and band* and security* and ratchet* (Results 57)

1) Family number: 8812003 (US6015054A)

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Title: Container closure assembly with profiled screw threads

Abstract: PCT No. PCT/GB96/03028 Sec. 371 Date Dec. 24, 1998 Sec. 102(e) Date Dec. 24, 1998 PCT Filed Dec. 9, 1996 PCT Pub. No. WO97/21602 PCT Pub. Date Jun. 19, 1997The invention provides container closure assemblies, especially for carbonated beverage containers, having substantially helical second thread segment (20) with a profiled lower thread surface (24). The profiled lower thread surface (24) includes a first, lower region (28) with a low pitch and a second region (30) with a steep pitch. The thread (20) may also include a step feature (32) to block unscrewing of the closure at an intermediate position where gas venting can take place, and a third region (34) of the said lower surface having a low pitch adjacent to the step. The closures are easy to apply and remove, and do not blow off unpredictably or uncontrollably under pressure.

Classifications:

International (IPC 8-9): B65D41/04 B65D41/34 B65D51/16

B65D51/28 (Advanced/Invention);

B65D41/04 B65D41/34 B65D51/16 B65D51/24 (Core/Invention)

International (IPC 1-7): B65D B65D41/04 B65D41/36 B65D51/28

CPC: B65D41/0471 B65D41/3409 B65D41/3428 B65D51/1688

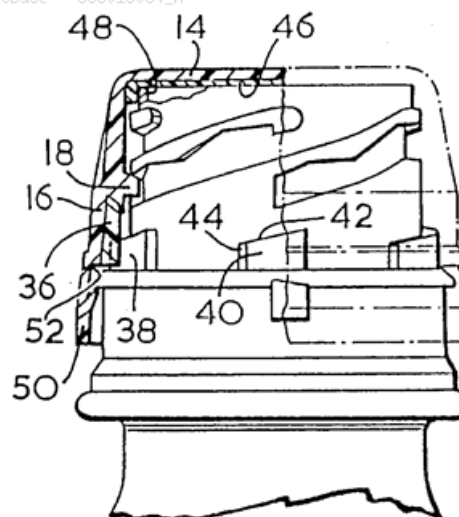
B65D51/28

European: B65D41/04E B65D41/34A1 B65D41/34C1 B65D51/16E3

B65D51/28

US: 215/252 215/307 215/330 215/44 220/296

PatBase - US6015054_A



Family:

Publication number	Publication date	Application number	Application date
AT221494 E	20020815	AT19960941746T	19961209
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ES2180817 T3	20030216	ES19960941746T	19961209
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HK1012856 A1	20021108	HK19980114170	19981221
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US6015054 A	20000118	US19980077716	19981124
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Priority:

GB19950025146 19951208 GB19950025876 19951218 WO1996GB03028 19961209

Probable Assignee: BEESON AND SONS LTD

Assignee(s): (std): BEESON AND SONS LTD ; KING ROGER MILNER ; KING WITNEY MILNER

Assignee(s): BEESON AND SONS LTD RICKMANSWORTH ; BEESON AND SONS LIMITED

Inventor(s): (std): KING MILNER ; KING WITNEY MILNER ; KING ROGER MILNER

Inventor(s): ROGER MILNER KING ; WITNEY MILNER KING

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CN CU CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SM TJ TM TR TT UA UG US UZ VN

Title: Container with tamper indicator using piped light

Abstract: A tamper evident device is disclosed herein comprising in its most basic form a light guide with finished ends; one of which serves to collect light, the other to emit said light to serve as a light emitting indicator. The invention is attached to closures and containers so that upon opening, the light path is interrupted causing the indicator to go dark, thus signalling a tampered condition.

Classifications:

International (IPC 8-9): B65D55/02 (Advanced/Invention);

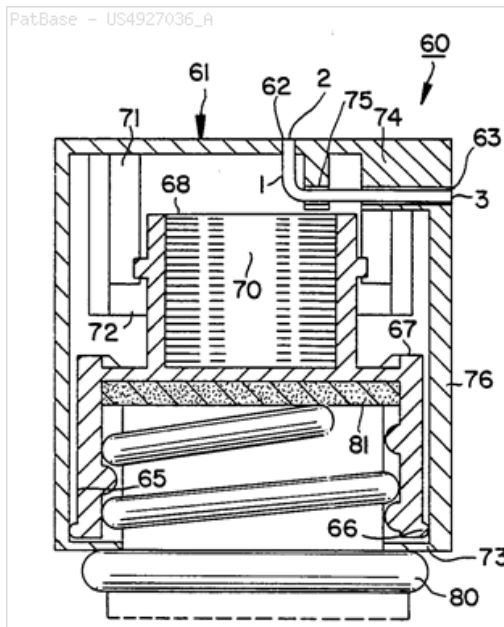
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International (IPC 1-7): B65D55/02

CPC: B65D55/026

European: B65D55/02G

US: 215/203 215/230 215/250 220/265 385/13



Family:

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AU606140 B2	19910131	AU19880013450	19880128
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Priority:

US19870009720 19870202 WO1988US00260 19880128 US19890312433 19890217

Probable Assignee: DIEHL POJEDINEC EDWARD P

Assignee(s): (std): DIEHL EDWARD P ; DIEHL POJEDINEC EDWARD P ; EDWARD P DIEHL

Assignee(s): DIEHL EDWARD P LINCOLN PARK N J US

Inventor(s): (std): DIEHL EDWARD P ; DIEHL POJEDINEC EDWARD P

Inventor(s): DIEHL EDWARD P LINCOLN PARK N J US ; EDWARD P DIEHL

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SPRUSON AND FERGUSON

Designated states: AT AU BB BE BG BR CH DE DK FI FR GB HU IT JP KP KR LK LU MC MG MW NL NO RO SD SE SU

Title: MULTIPLE SLEEVE INTERCHANGEABLE TOOL BIT POCKET TOOL

Abstract: A pocket hand tool has two opposing sleeves which are pivotally connected to opposite ends of a new pocket tool handle. Each sleeve slidably receives interchangeable tool bits. The sleeves are selectively pivoted from an inoperable position within the handle to an operable position disposed away from the handle.

Classifications:

International (IPC 8-9): B25B11/00 B25B15/02 B25B23/12

B25B9/00 B25F1/00 B25F1/02 B25F1/04 B

B25D5/00 B25J1/00 B25J1/02 B25J1/04 B25G1/04 B25G1/06
B25G1/10 H01F13/00 (Advanced/Invention);

B25B23/02 B25F1/00 B25G1/00 H01F13/00 (Core/Invention)

International (IPC 1-7): B24D15/00 B25B1/500 B25B15/00

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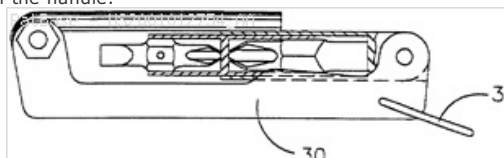
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CPC: B25B9/00 B25B11/002 B25I

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B25E1/04 B25G1/043 B25G1/085

European: B25B11/00B B25B15/00B2D B25B15/02 B25B23/12 B25B9/00 B25E1/00B B25E1/02 B25E1/04 B25G1/04S



B25G1/08S B25G1/10S H01F13/00

US: 206/350 248/70 310/50 335/284 335/306 451/524 451/524P 7/105 7/118 7/128 7/129 7/165 7/167 7/168 7/901 81/125 81/177.2 81/177.4 81/177.400P 81/177.6 81/436 81/438 81/439 81/439P 81/440 81/440P 81/451 81/490 81/490P D8/83 D8/85

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Priority:

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Probable Assignee: ANDERSON FAMILY LLC

Assignee(s): (std): ANDERSON ; ANDERSON WAYNE ; BEST WAY TOOLS ANDERSON INC ; BEST WAY TOOLS BY ANDERSON INC ; CASSUTTI PAOLO ; WAYNE ANDERSON OPTIMUM TOOL CO ; WAYNE ANDERSSON OPTIMUM TOOL C ; WAYNE ANDERSSON OPTIMUM TOOL CO ; WAYNE ANDERSON OPTIMUM TOOL CORP ; WAYNE ANDERSON OPTIMUM TOOL COUP

4) Family number: 42380056 (US2010065108A)

Title: METHOD AND APPARATUS FOR FORMING AND MOUNTING A PHOTOVOLTAIC ARRAY

Classifications:

Pat.Base - US2010065108 A0

Patent Application Publication Mar. 18, 2010 Sheet 1 of 30 US 2010/0065108 A1

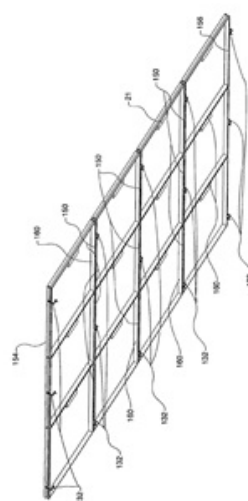


FIG. 10

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H02G3/32 H01R9/2416 H01L31/0508 H01L31/046 H02S30/00
Y10T430/70 H01L31/042 F16L3/04 F16L3/1058 H02S20/20
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F16B1/00 H01L31/18 Y02B10/20 H02S20/00 H01L31/0488 F24S25/16
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US: 1/1 126/623 136/244 136/251 136/252 136/259 211/41.1 24/531 248/188.4 248/201 248/205.1 248/222.11 248/222.41 248/231.81 248/309.1 248/316.7 248/346.04 248/346.05 248/617 248/74.2 29/428 29/453 29/825 361/679.01 403/119 403/164 403/164S 403/186 403/186S 403/217 403/294 403/345 52/173.3 52/555 52/582.2 52/586.2 52/745.21 52/745.210S 52/747.1 D8/349 D8/382

Locarno class: 08/08

Family:

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Priority:

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WO2014US19697	20140228	US20140278615	20140515	US20140451781	20140805
US20140454471	20140807	US20140519407	20141021	US20140531155	20141103
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Probable Assignee: SOLARCITY CORP

Assignee(s): (std): JOHN R WEST ; HANS CHRISTOPH HAENLEIN ; HAENLEIN HANS CHRISTOPHER ; GRUBER PETER EDWARD ; HAENLEIN HANS CRISTOPH ; JOHANSEN EMIL ; HUDSON TYRUS HAWKES ; HUDSON TYRUS ; MANANSALA CHRISTINA C ; WEST JOHN R ; ZEP SOLAR INC ; ZAP SOLAR INC ; ZEP SOLAR LLC ; SOLARCITY CORP ; MANSALA CHRISTAIN C ; WEST JOHN RAYMOND ; WEST BRIAN ; YOUNMANS DAVID ; ZEP SOAR INC ; WEST JACK RAYMOND ; ALCHLEY BRIAN ; APPLE INC ; ATCHLEY BRIAN ; CHRISTINA C MANANSALA ; COLEMAN NATHANIEL TAYLOR ; HAENLEIN HANS CHRISTOPH

Assignee(s): HIGH SUN TECHNOLOGY INC ; SOLARCITY CORP SAN MATEO ; MANANSALA CHRISTINA C ; HAENLEIN HANS CHRISTOPH

Inventor(s): (std): YOUNMANS DAVID ; WEST JOHN RAYMOND ; WEST JACK RAYMOND ; WEST BRIAN ; JOHANSEN EMIL ; HUDSON TYRUS HAWKES ; HUDSON TYRUS ; HAENLEIN HANS CRISTOPH ; GRUBER PETER EDWARD ; COLEMAN NATHANIEL TAYLOR ; ATCHLEY BRIAN ; ALCHLEY BRIAN ; BRIAN WEST ; COLEMAN NATHANIEL ; HAENLEIN HANS CHRISTOPHER ; MANSALA CHRISTAIN C ; HANS CHRISTOPH HAENLEIN ; CHRISTINA C MANANSALA ; JOHN R WEST ; WEST JOHN R ; MANANSALA CHRISTINA C ; HAENLEIN HANS CHRISTOPH

Inventor(s): WEST JOHN R SAN RAFAEL ; MANANSALA CHRISTINA ; WEST JOHN ; JOHN RWEST

Agent(s): CHRISTIANSEN JOHN; JOHN CHRISTIANSEN; FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT ATTORNEYS; MARKS AND CLERK; GOWLING WLG CANADA LLP; CHAILLOT GENEVIEVE; HOWSON RICHARD GB; HOWSON RICHARD GILES BENTHAM; INABA YOSHIYUKI; LARRY D JOHNSON; VIERRA MAGEN MARCUS AND DENIRO LLP; LARRY D; KILPATRICK TOWNSEND AND STOCKON LLP; KILPATRICK TOWNSEND AND STOCKTON LLP; KILPATRICK TOSENSEND AND STOCKTON LLP; STERNE KESSLER GOLDSTEIN AND FOX PLLC; JOHNSON LARRY D; MARCUS BRIAN I

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 17253066 (ES1015057Y)

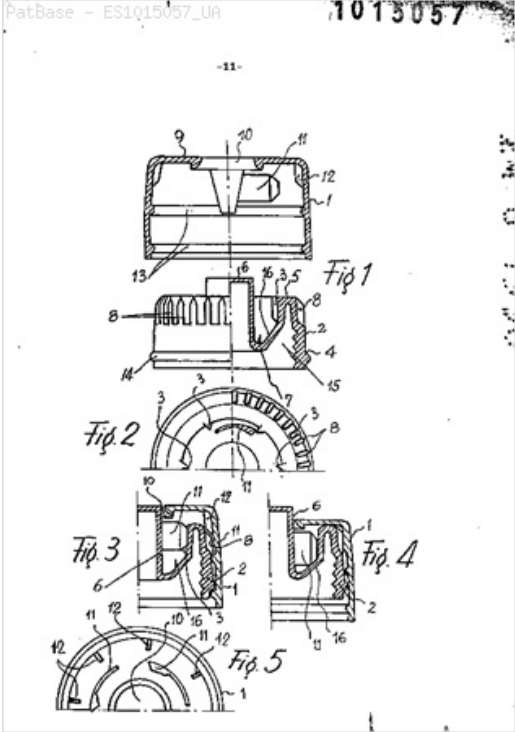
© PatBase

Title: NUEVO TAPON DE SEGURIDAD.

Abstract: Source: ES1015057U [ES] NUEVO TAPON DE SEGURIDAD DE LOS DEL TIPO EN QUE ESTAN FORMADOS POR DOS CAZOLETAS COAXILES DISPUESTAS ACOPLADAS ENTRE SI, CON DIENTES DE TRINQUETE DE ENGARCE Y ARRASTRE A VOLUNTAD DE LA PIEZA INTERNA CON BOCA FILETEADA HELICOIDALMENTE POR EL DESENROCADO DE LA CAZOLETA EXTERNA, CARACTERIZADO POR EL HECHO DE QUE LA PIEZA INTERNA ESTA CONSTITUIDA POR UNA TAPON CONICO INVERTIDO CON FALDON ANULAR DESCENDENTE POR ACODO DE LA PROLONGACION DE SU BORDE SUPERIOR CUAL PIEZA TIENE EN SU BASE FORMANDO VALLE ANULAR PROFUNDO, UN EJE PERPENDICULAR, CILINDRICO, CIRCUNDADO POR DICHO VALLE DE PARED ABORCARDADA Y TRAMO ANULAR SUPERIOR CILINDRICO HABIENDO EN EL EXTREMO SUPERIOR CILINDRICO DE LA VERTIENTE INTERNA DEL VALLE UNOS DIENTES SALIENTES EN FORMA DE TRINQUETE Y EN CERCA DEL BORDE EXTERNO DEL ACODO SUPERIOR ANTES MENCIONADO UNA CORONA DE ALMENAS MIENTRAS QUE LA CAZOLETA EXTERNA INVERTIDA DEL PROPIO TAPON TIENE EN SU BASE OBTURADA UN ORIFICIO CENTRAL PARA EL ENSARTADO Y GUIA DEL EJE CILINDRICO DE LA PIEZA INTERNA DEL TAPON Y ALREDEDOR DEL BORDE INTERNO DEL ORIFICIO UNOS SALIENTES DESCENDENTES EN ARCO CONSTITUYENDO LENGUETAS ERECTILES, EN BANDEROLA, Y EN EL ACORDO INTERNO DE UNION DE LA BASE CON ORIFICIO CENTRAL AL FALDON ANULAR DESCENDENTE UNOS SALIENTES EN FORMA DE TABIQUES DE ENGARZADO EN POSICION DE ACCIONAMIENTO CON LAS ABERTURAS ENTRE ALMENAS CUANDO SE EJERCE UNA PRESION DESCENDENTE CONTRA LA BASE DE LA CAZOLETA EXTERNA LAS CUALES DESCENDEN, SE COMPROMEN Y ENGARZAN SUS TESTAS LATERALES LIBRES CON LOS DIENTES DE TRINQUETE POR LA INCLINACION DE LA PARED INTERNA ABORCARDADA DETERMINATIVA DEL VALLE QUE CIRCUNDA AL EJE AXIL QUE ASI SOBRESALE, MIENTRAS DURA LA PRESION DESCENDENTE, DEL ORIFICIO EN QUE ESTA ENSARTADO. **Machine translation:** New SAFETY CAP OF THE TYPE THAT ARE FORMED BY TWO bowls coupled together, arranged coaxial with Ratchet Teeth of

LINKER AND DRAG AT WILL OF THE INNER PART WITH THE DESENROCADO HELICALLY THREADED MOUTH OF THE OUTER SHELL, characterized IN THAT THE INNER PART IS CONSTITUTED BY A CONICAL PLUG INVESTED WITH ANNULAR SKIRT downward by layering THE EXTENSION OF ITS UPPER EDGE WHICH PIECE HAS AT ITS BASE FORMING ANNULAR valley deep, an axis perpendicular, Cylindrical, surrounded by said cylindrical WALL AND ABORCARDADA VALLEY UPPER ANNULAR SECTION HAVING AT THE UPPER END OF THE INNER SIDE OF THE VALLEY CYLINDRICAL PROJECTIONS IN THE FORM OF Ratchet Teeth and In NEAR THE OUTER EDGE OF THE ABOVE-MENTIONED UPPER LAYERING A CROWN OF BATTLEMENTS WHILE THE OUTER CUP INVERTED CAP ITSELF HAS SEALED AT ITS BASE A CENTRAL HOLE FOR THREADING AND GUIDE OF the cylindrical axis of the inner part of the CAP AND AROUND THE INNER EDGE OF THE HOLE PROJECTIONS downward arc, flag, and erectile tabs constituting agreed internal junction OF THE BASE WITH CENTRAL HOLE TO THE ANNULAR SKIRT DOWNWARD PROJECTIONS IN THE FORM OF PARTITIONS IN OPERATING POSITION WITH THE OPENINGS BETWEEN BATTLEMENTS CRIMPING WHEN A pressure is exerted downward AGAINST THE BASE OF THE OUTER CUP which descend, COMRPIMEN AND CRIMPED THEIR HEADS FREE SIDE With the ratchet teeth by the inclination of the inner wall of the ABORCADADA DETERMINATIVE OF THE VALLEY SURROUNDING THE AXIAL shaft that protrudes, WHILE THE DOWNWARD PRESSURE OF THE BORE IN WHICH IS threaded.

Classifications:
International (IPC 8-9): B65D51/18 (Advanced/Invention);
B65D51/18 (Core/Invention)
International (IPC 1-7): B65D51/18



Family:

Publication number	Publication date	Application number	Application date
ES1015057 UA	19910516	ES19900002595U	19900718
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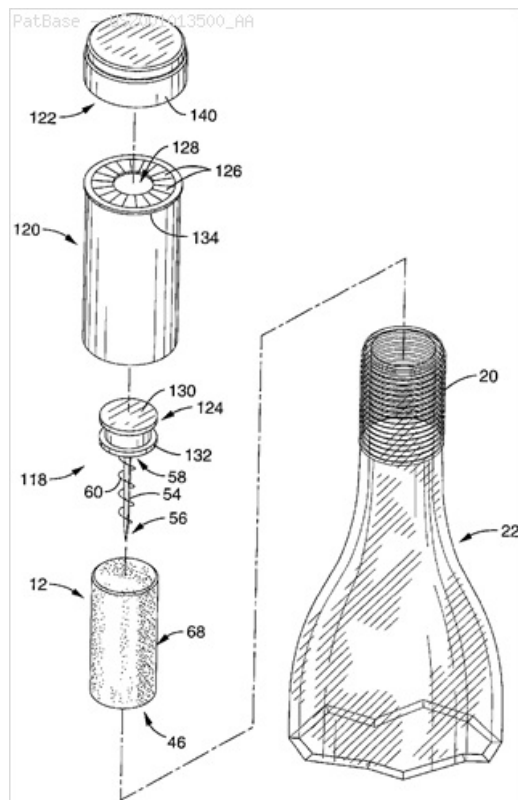
Priority:
ES19900002595U 19900718
Probable Assignee: REYDE S A
Assignee(s): (std): REYDE S A
Assignee(s): REYDE SA
Inventor(s): (std): REVASCALL VENTURA CONRADO

6) Family number: 30071089 (US2001013500A) © PatBase

Title: APPARATUS FOR OPENING A BOTTLE SEALED WITH A CORK STOPPER

Abstract: An apparatus for removing a cork from a bottle in which an anchor is embedded in the cork and a cork-pulling sleeve is provided for engaging the anchor for removal of the cork. The cork-pulling sleeve includes inner threads that mate with external threads on the neck of the bottle, and rotation of the cork-pulling sleeve in relation to the bottle extracts the cork.

Classifications:
International (IPC 8-9): B65D1/02 B65D39/00 B65D39/16
B67B7/06 (Advanced/Invention);
B65D1/02 B65D39/00 B67B7/00 (Core/Invention)
International (IPC 1-7): B65B7/28 B65D1/02 B65D3/900 B65D39/00
B65D39/16 B65D41/62 B67B7/06
CPC: B65D1/023 B65D39/0011 B65D1/0246 B65D39/16 B67B7/06
European: B65D1/02D1B B65D39/00F1 B65D39/16 B67B7/06
US: 215/211 215/215 215/277 215/296 215/297 215/299 215/32
215/320 215/320S 215/364 215/44 215/44P 81/3.45 81/3.45
81/3.450S



Family:

Publication number	Publication date	Application number	Application date
AU2001297827 AA	20021125	AU20010297827	20011214
AU2003247398 AA	20031212	AU20030247398	20030521
CA2434113 AA	20030711	CA20012434113	20011214
EP1351863 A2	20031015	EP20010273951	20011214
EP1515900 A1	20050323	EP20030755431	20030521
US2001013500 AA	20010816	US20010760375	20010112
US2003146184 AA	20030807	US20020306633	20021127
US2004031770 AA	20040219	US20030443461	20030521
US2004232099 AA	20041125	US20030735281	20031212
US2004232101 AA	20041125	US20030735283	20031212
US2004232102 AA	20041125	US20030735277	20031212
US2005056612 AA	20050317	US20030735282	20031212
US5884789 A	19990323	US19960746799	19961118
US6179140 BA	20010130	US19990273838	19990322
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US6510957 BB	20030128	US20010760375	20010112
US6763961 BB	20040720	US20020306633	20021127
WO02092450 A2	20021121	WO2001US51643	20011214
WO02092450 A3	20030403	WO2001US51643	20011214
WO03099671 A1	20031204	WO2003US16154	20030521

Priority:

US19960746799 19961118	US19990273838 19990322	US20010760375 20010112
WO2001US51643 20011214	US20020382410P 20020521	US20020306633 20021127
US20020433020P 20021213	US20030443020P 20030127	US20030443461 20030521
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Probable Assignee: GARDNER WILLIAM

Assignee(s): (std): GARDNER TECHNOLOGIES INC ; GARDNER WILLIAM A ; NOVAK PAUL K ; VIRDEE ALAN ; WHELAN PATRICK M

Assignee(s): STATISTICAL SIGNAL PROCESSING INC ; GILLEY GIL G ; GARDNER WILLIAM

Inventor(s): (std): GARDNER WILLIAM A ; GILLEY GIL G ; WHELAN PATRICK M ; VIRDEE ALAN ; NOVAK PAUL K ; PATRICK M WHELAN ; PAUL K NOVAK ; ALAN VIRDEE ; WILLIAM A GARDNER

Inventor(s): GARDNER WILLIAM ; WHELAN PATRICK ; GIL G GILLEY

Agent(s): GRIFFITH HACK; MARKS AND CLERK; JOHN P OBANION OBANION AND RITCHEY LLP; JOHN P O BANION

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

7) Family number: 17667098 (DE9208000U1)

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Title: FLUGDRACHEN-FAHR-MOBIL Kite-driving-MOBILE (Machine translation)

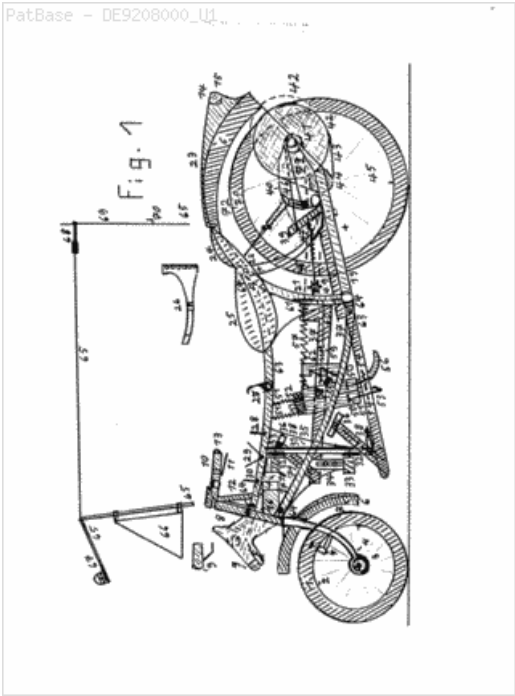
Abstract: Source: DE9208000U1 [DE] (Claim 1) 1. Mehrfach Spezifiziertes Kombinations Flugdrachen (fahr)-mobil, mit
PatBase PDF Export - Page: 8 03/04/2020

siebenfach effktiertem Hebeltriebwerk und oder anderen eigenen Triebwerken bzw. Antrieben, welche da sind aus DE OS 36 40 335 Al (beginnend) S. 18 Abs. 4 oder DE OS 34 03 955 Al S. 1-39 G 86 01 570.2 S. 1-14 und im Heck vom Boden oder ueberlagertem Systeme-halte-boden mit Systeme-halte-platten, einer Keilriementransmission oder Winkelgetriebe n mit sich selbst anpassender Wellenlaenge n, die Verbindung en zur axialen Antriebswelle herstell (t) en, was teilweise die Grundausrstung fuer ein vierraederiges Aufbau-modell ist,

Machine translation: (Claim 1) 1. Several times specifying combination kites (drive) - mobilely, with seven effktiertem levering rubbing work and or other own engines and/or drives, which are from DE OS 36 40 335 aluminium (beginning) there P. 18 exp. 4 or DE OS 34 03 955 aluminium P. 1-39 G 86 01 570,2 P. 1-14 and in the tail system retaining soil with system retaining plates, a drive belt transmission or Winkelgetriebe n with adapting wavelength n, overlaid by the soil or, which connection EN to the axial drive shaft manufacture (t) EN, which the basic equipment is partial for a four-wheeled structure model,

Classifications:

International (ipc 8-9): B62K17/00 B62K3/00 B62M1/24 B63H16/18 B64C31/04 B64C37/00 (Advanced/Invention); B62K17/00 (Core/Invention)
International (ipc 1-7): B62K17/00 B63H16/18 B64C31/04
CPC: B62M1/28 B62K3/005 B63H16/12 B64C31/04 B64C37/00
European: B62K3/00C B62M1/28 B63H16/12 B64C31/04 B64C37/00



Family:

Publication number	Publication date	Application number	Application date
DE9208000 U1	19930930	DE19920008000U	19920615

Priority:

DE19920008000U 19920615

Probable Assignee: WESTERWELLER KURT WILHELM FRAN

Assignee(s): (std): WESTERWELLER KURT WILHELM FRAN

Assignee(s): WESTERWELLER KURT WILHELM FRANZ 56305 PUDERBACH DE

8) Family number: 28929149 (US2003169522A)

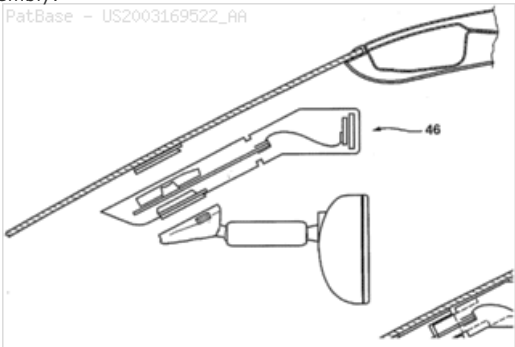
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Title: VEHICLE ACCESSORY MODULE

Abstract: An accessory system of a vehicle comprises an accessory module assembly having a mounting portion, a head portion and a rearview mirror assembly. The mounting portion extends generally upward when mounted to an attachment member at a vehicle windshield. The head portion may extend generally horizontally and rearwardly with respect to the vehicle from an upper portion of the mounting portion. The head portion comprises electronic circuitry for at least one accessory. The mirror assembly is mountable to the mounting portion, with the head portion of the accessory module assembly extending generally above the mirror casing. The head portion may be viewable and/or user accessible above the mirror casing when the mirror assembly is mounted to the mounting portion. The head portion may be pivotable or articulatable relative to the base portion of the accessory module assembly.

Classifications:

International (ipc 8-9): B60R1/02 B60R1/04 B60R1/10 B60R1/12 B60R11/04 G02B7/18 G02B7/182 H04N5/232 H04N5/374 H04N7/00 H04N7/18 (Advanced/Invention)
International (ipc 1-7): A47G1/24 B60R1/02 B60R1/04 G02B5/08 G02B7/182
CPC: B60R1/10 H04N7/183 H04N5/374 H04N5/23238 B60R2300/108 B60R2300/106 B60R2300/8033 B60R1/04 B60R1/12 B60R1/1207 B60R11/04 B60R2001/1215 B60R2001/1223 B60R2001/123 B60R2001/1246 B60R2001/1253 B60R2001/1261 B60R2001/1276 B60R2001/1284 H04N7/18
European: B60R1/04 B60R1/12 B60R11/04 H04N7/18 L60R1/12A L60R1/12B L60R1/12C L60R1/12D L60R1/12F L60R1/12G L60R1/12H L60R1/12K L60R1/12L
US: 1/1 248/479 248/479S 248/481 248/481S 348/118 348/148 348/148P 348/148S 348/E7.085 348/E70.85S 359/838 359/844 359/871 359/872 359/872P 359/876 359/876P



Family:

Publication number	Publication date	Application number	Application date
AU2003208929 AA	20030902	AU20030208929	20030131
US2003169522 AA	20030911	US20030355454	20030131

US2005046978 AA	20050303	US20040958087	20041004
US2007297075 AA	20071227	US20070716834	20070312
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US2012224065 AA	20120906	US20120470860	20120514
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US10543786 BB	20200128	US20180864128	20180108
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Priority:

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US20030355454	20030131	WO2003US03012	20030131	US20040958087	20041004
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US20130800681	20130313	US20130964137	20130812	US20140299409	20140609
US20180864128	20180108				

Probable Assignee: MAGNA MIRRORS OF AMERICA INC

Assignee(s): (std): DONNELLY CORP ; DONNELLY CORP A CORP OF ST ; DONNELLY CORP STATE MICHIGAN ; LYNAM NIAL R ; SCHOFIELD KENNETH ; WHITEHEAD PETER J ; DEWARD JOSHUA L ; MAGNA ELECTRONICS INC ; MAGNA ELECTRONICS

Assignee(s): MAGNA MIRRORS OF AMERICA INC ; DONNELLY A OF STATE OF CORP ; DONNELLY A OF STATE OF MICHIGAN CORP ; MAGNA DONNELLY CORP

Inventor(s): (std): SCHOFIELD KENNETH ; DEWARD JOSHUA L ; WHITEHEAD PETER J ; LYNAM NIAL R

Inventor(s): LYNAM NIAL ; DEWARD JOSHUA ; WHITEHEAD PETER

Agent(s): VAN DYKE GARDNER LINN AND BURKHART LLP; VANDYKE GARDNER LINN AND BURKHART LLP; GARDNER LINN BURKHART AND FLORY LLP; HONIGMAN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

9) Family number: 30510156 (US2005096498A)

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Title: SIZING AND SHAPING DEVICE FOR TREATING CONGESTIVE HEART FAILURE

Abstract: A kit and method are described for treating congestive heart failure. The kit may comprise multiple components including a shaping device, deployment tool, patch, and suture. The method may utilize one or more of these components.

Classifications:

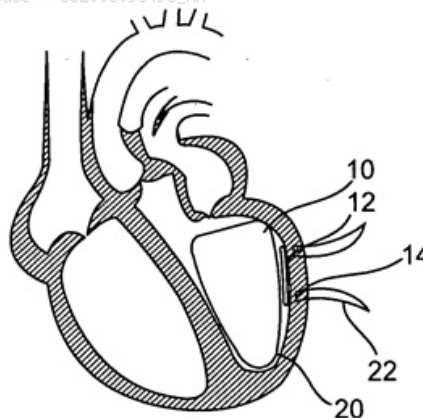
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International (IPC 1-7): A61B17/00 A61B17/03 A61B17/04 A61B19/00 A61F2/04 H03M1/12
CPC: A61B2017/00663 A61B17/00491 A61B18/14 A61B2017/00526 A61B2017/00637 A61B2017/00654 A61B2017/00862 A61B2017/00867 A61F2/0063 A61F2/06 A61F2/2481 A61F2002/2484 A61B2017/2925 A61B5/6869 A61B2017/00243 A61B17/08 A61B2017/00588 A61B2017/00592 A61B2017/00606 A61B2017/00628 A61B9/06 A61B2090/063 A61B5/1075 A61B19/026 A61B2019/306 A61B2019/307 A61B17/0466 A61B2018/00422 B33Y80/00 A61B17/0057 A61B17/0644 A61B17/12109 A61B17/12172 A61B17/32 A61B17/3209 A61B18/1482 A61B2017/00477 A61B2017/00615 A61B2017/00623 A61B2017/00659 A61B2017/00668 A61B2017/00672 A61B2017/0462 A61B2017/0641 A61B2018/00601 A61B2018/00916 A61B2018/1412 A61B2018/1455 A61B50/30 A61B2090/036 A61B2090/037

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US: 1/1 128/898 128/898S 33/512 600/37 600/37P 600/587 600/587P 606/1 606/142 606/142P 606/148 606/148P 606/151 606/151S 606/158 606/170 606/170P 606/172 606/172S 606/191 606/191S 606/194 606/194S 606/195 606/195P 606/1P 606/213 606/213P 606/213S 606/27 606/27S 606/41 606/41P 623/11.11 623/11.110S 623/23.64 623/23.640S

Family:

Publication number	Publication date	Application number	Application date
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PatBase - US2005096498_AA



AU2010233217 AA	20111027	AU20100233217	20100409
CN102458264 A	20120516	CN201080026184	20100409
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JP2012523290 T2	20121004	JP20120504886T	20100409
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TH116580 A	20121001	TH20111002539	20100409
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US6726696 BA	20040427	US20020183396	20020628
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WO06034408 A3	20090409	WO2005US33990	20050922
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WO11057282 A2	20110512	WO2010US56059	20101109
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Priority:

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Probable Assignee: CARDIOVASCULAR TECHNOLOGIES INC

Assignee(s): (std): ADVANCED CATHETER ENGINEERING ; ANNEST LON ; BERTOLERO ARTHUR ; BIOENTRIX A CHF TECHNOLOGIES ; CHF TECHNOLOGIES INC ; BOWER JOHN HUNTER ; CARDIOVASCULAR TECHNOLOGIES INC ; CARDIOVASCULAR SYSTEMS INC ; CARDIVASCULAR SYSTEMS ; CARDIO VASCULAR TECHNOLOGIES INC ; CARDIOVASCULAR TECH INC ; HOUSER RUSSELL A ; SMITH WENDEL ; REILLY ROBERT O ; CHIN SING FATT ; HARE WILLIAM D ; VASCULAR CLOSURE SYSTEMS INC ; DO PAUL L

Assignee(s): KNOBBE MARTENS OLSON AND BEAR LLP ; ENDOSCOPIC TECHNOLOGIES INC ; SILICON VALLEY BANK ; OXFORD FINANCE CORP ; SAINTS CAPITAL VI LP ; HARE BILL ; IBRAHIM TAMER ; GEYSTER STEVE ; O REILLY ROBERT ; BIOENTRIX INC ; BIOENTRIX A CHF TECHNOLOGIES CO INC A CALIFORNIA CORP ; BIOENTRIX A CHF TECHNOLOGIES CO INC A CALIFO ; BIOENTRIX A CHF TECHNOLOGIES CO INC A ; BIOENTRIX A CHF TECHNOLOGIES CO INC A CALIFORNIA ; BERTOLERO ARTHUR A ; ADVANCED CATHETER ENGINEERING INC

Inventor(s): (std): BERTOLERO ARTHUR A ; ANNEST LON ; HARE BILL ; IBRAHIM TAMER ; GEYSTER STEVE ; SMITH WENDEL ; O REILLY ROB ; CHIN SING FATT ROY ; BERTOLERO ARTHUR ; BOWER JOHN HUNTER ; DO PAUL L ; BOWER JOHN HUNTER JH ; DO PAUL L PL ; HOUSER RUSSELL A RA ; HUNTER BOWER JOHN ; HARE WILLIAM D ; HOUSER RUSSELL A ; CHIN SING FATT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: TAMPER-EVIDENT PACKAGE WITH IMPROVED OPENING PERFORMANCE

Abstract: A tamper-evident package having pressurized contents includes a closure and associated container which cooperate to provide desired tamper-evidence upon initial removal of the closure from the container, while promoting convenient and comfortable removal and use by consumers. In particular, the package is configured such that from a fully applied position of the closure on the container, the closure is movable through a predetermined angle prior to actuation of the tamper-evident feature on the package. In this fashion, the torque which must be applied to the closure for overcoming the static friction at the sealing interface between the closure and the container can be overcome prior to the application of torque required for operating the tamper-evident feature of the package. The present invention contemplates enhancing the opening performance of the package by configuring the package to include certain structure features to facilitate convenient, consistent, and comfortable use by consumers.

Classifications:

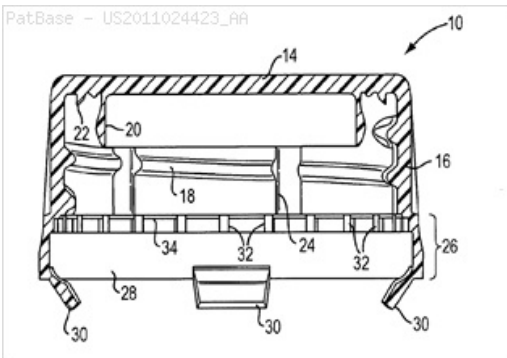
International (IPC 8-9): B65D B65D1/02 B65D39/00 B65D41/34
B65D41/36 B65D41/38 B65D41/62 (Advanced/Invention);
B65D41/34 (Advanced/Non-invention);
B65D39/00 B65D41/00 (Core/Invention)

International (IPC 1-7): B65D39/00

CPC: B65D41/3428

European: B65D41/34C1

US: 215/252 215/307 215/329 215/336 215/344 215/44 215/902
220/266 220/268 220/276



Family:

Publication number	Publication date	Application number	Application date
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AU2009260868 BB	20150702	AU20090260868	20090430
BRPI0911576 A2	20170620	BR2009PI11576	20090430
CA2721234 AA	20091223	CA20092721234	20090430
CN102015472 A	20110413	CN200980115609	20090430
CN102015472 B	20130828	CN200980115609	20090430
EG26024 A	20121211	EG20100101820	20101028
EP2268554 A2	20110105	EP20090766980	20090430
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EP2268554 B1	20180606	EP20090766980	20090430
EP3388358 A1	20181017	EP20180175996	20090430
ES2682462 T3	20180920	ES20090766980T	20090430
HU040345 T2	20190328	HU20090766980T	20090430
IN06911CN2010 A	20110708	IN2010CN06911	20101027
IN201848025858 A	20180720	IN201848025858	20180711
JP2011519330 T2	20110707	JP20110507444T	20090430
MX2010011796 A1	20101130	MX20100011796	20090430
RU2010148807 A	20120610	RU20100148807	20090430
RU2507137 C2	20140220	RU20100148807	20090430
US2011024423 AA	20110203	US20090934916	20090430
US8807360 BB	20140819	US20090934916	20090430
USRE47156 E	20181211	US20090241929	20090430
WO09154666 A2	20091223	WO2009US02632	20090430
WO09154666 A3	20100218	WO2009US02632	20090430
ZA201006949 A	20110629	ZA20100006949	20100929

Priority:

US20080125981P	20080430	EP20090766980	20090430	IN2010CN06911	20090430
US20090934916	20090430	US20090241929	20090430	WO2009US02632	20090430
US20160241929	20160819				

Probable Assignee: CLOSURE SYSTEMS INT INC

Assignee(s): (std): CLOSURE SYSTEMS INT ; CLOSURE SYSTEMS INT INC ; CLOSURE SYSTEMS INTERNAT ; CLOSURE SYSTEMS INTERNATIONAL ; CLOSURE SYSTEMS INTERNATIONAL INC ; MCBRIDE STEVE ; SMEYAK LAWRENCE M ; GEVERS DAVE ; ERSPAMER JOHN ; CLOSURE SYSTEMS INTERNATIONAL INC ; KLOUZHNER SISTEMZ INTERNEHSHNL INK

Assignee(s): CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; BANK OF NEW YORK MELLON

Inventor(s): (std): MCBRIDE STEVE ; GEVERS DAVE ; SMEYAK LARRY ; ERSPAMER JOHN ; SMEYAK LAWRENCE M ; DAVE GEVERS ; STEVE MCBRIDE ; JOHN ERSPAMER ; LARRY SMEYAK ; MCBRIDE STEVE ; EHRSPAMER

DZHON ; MAKBRAJD STIV ; SMEJAK LARRI ; DZHEVERS DEHJV

Agent(s): FB RICE; FB RICE PTY LTD; ALGEMEEN OCTROOI EN MERKENBUREAU; ALGEMEEN OCTROOI EN MERKENBUREAU BV; ISERN JORGE; WOOD PHILLIPS KATZ CLARK AND MORTIMER; NIXON PEABODY LLP; GEIMER D STEPHEN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

11) Family number: 14505163 (GB2296178A)

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Title: Headwear

Abstract: Headwear, of the kind comprising apiece of card, board of other flexible material in which a split is formed to accommodate the head and which needs neither cutting-out nor glue. is disclosed. The split can be curved or partially curved in a convex or a concave form. It can be associated with a parallel second split and/or it may have perforations incorporated. The headwear may be provided with an upward or downward extensaions. Numerous modifications and additional features are disclosed.

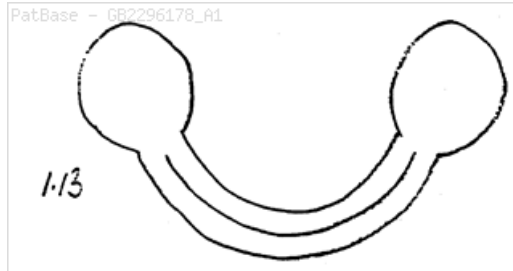
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International (IPC 8-9): A41G7/00 A42B1/20 A42B1/22 A61F9/04 G09F21/02 (Advanced/Invention)

International (IPC 1-7): A42B1/00 G09F1/00

CPC: A41G7/00 A42B1/004 A42B1/208 A61F9/045 G09F21/02

European: A41G7/00 A42B1/00C A42B1/20F A61F9/04B G09F21/02



Family:

Publication number	Publication date	Application number	Application date
GB2296178 A1	19960626	GB19940021909	19941031
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GB2328141 A1	19990217	GB19980023745	19941031
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GB2328142 A1	19990217	GB19980023748	19941031
GB2328142 B2	19990602	GB19980023748	19941031
GB2329104 A1	19990317	GB19980023746	19941031
GB2329104 B2	19990602	GB19980023746	19941031
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Priority:

GB19940021909 19941031 GB19980023745 19941031 GB19980023746 19941031
GB19980023748 19941031

Probable Assignee: SAMUELSON NEVILLE A W

Assignee(s): (std): SAMUELSON NEVILLE A W ; SAMUELSON NEVILLE ANTHONY WYLI

Assignee(s): NEVILLE ANTHONY WYLIE SAMUELSON

Inventor(s): (std): SAMUELSON NEVILLE ANTHONY WYLI

Inventor(s): NEVILLE ANTHONY WYLIE SAMUELSON

12) Family number: 42071209 (US2010032402A)

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Title: TAMPER EVIDENT CLOSURE CAP, CONTAINER AND COMBINATION THEREOF

Abstract: The invention relates to a tamper evident closure cap (101). A tamper evident band is provided with an extension (107) having an upper edge (113) extending above an engagement surface (110) of a projection (109). The extension (107) and the projections (109) are arranged on an annular, circumferentially running band (105). When the closure is applied to a container, the extension (107) is clamped between the inner surface (114) of the tamper evident band or the closure and a retaining structure on a container finish.

Classifications:

International (IPC 8-9): B65D B65D41/04 B65D41/34

B65D49/12 (Advanced/Invention);

B65D41/00 B65D41/04 B65D41/34 B65D49/00 (Core/Invention);

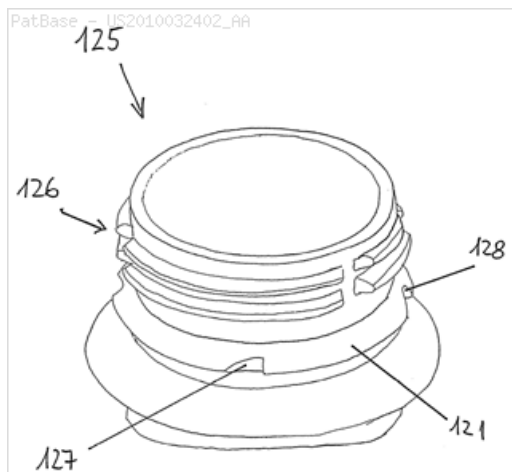
B65D (Subclass/Invention)

International (IPC 1-7): B65D41/34

CPC: B65D41/3409 B65D41/3428 B65D41/3447

European: B65D41/34A1 B65D41/34C1 B65D41/34D1

US: 215/252 215/329 215/329S



Family:

Publication number	Publication date	Application number	Application date
AU2008209882 AA	20080807	AU20080209882	20080109
AU2008209882 BB	20130912	AU20080209882	20080109
BRPI0807067 A2	20140408	BR2008PI07067	20080109
BRPI0807067 B1	20180918	BR2008PI07067	20080109
DE602008020386 D1	20130124	DE200860020386T	20080109
EP1953091 A1	20080806	EP20070101504	20070131
EP2114786 A2	20091111	EP20080701348	20080109
EP2114786 B1	20121128	EP20080701348	20080109
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KR20090106607 A	20091009	KR20097016811	20080109
MA31181 B1	20100201	MA20090032163	20090812
MX2009008074 A1	20090812	MX2009008074	20080109
NZ578501 A	20111222	NZ20080578501	20080109
US2010032402 AA	20100211	US20080524308	20080109
US10287065 BB	20190514	US20080524308	20080109
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WO08092716 A3	20081030	WO2008EP50184	20080109

Priority:

EP20070101504 20070131 EP20080701348 20080109 WO2008EP50184 20080109

Probable Assignee: OBRIST CLOSURES SWITZERLAND

Assignee(s): (std): DREYER LINO ; OBRIST CLOSURES SWITZERLAND ; OBRIST CLOSURES SWITZERLAND GMBH ; ODET PHILIPPE GERARD ; WIDMER SEBASTEN CEDRIC ; WIDMER SEBASTIEN CEDRIC

Inventor(s): (std): WIDMER SEBASTIEN CEDRIC ; SEBASTIEN CEDRIC WIDMER ; PHILIPPE GERARD ODET ; LINO DREYER ; WIDMER SEBASTEN CEDRIC ; WIDMER SEBASTIAN CEDRIC ; DREYER LINO ; ODET PHILIPPE GERARD

Inventor(s): SEBASTEN CEDRIC WIDMER

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MITSCHERLICH PATENT U RECHTSANWALTE PARTMBB; HEPP DIETER ET AL; MUELLER CHRISTOPH EMANUEL; GREENWOOD MATTHEW DAVID; REINHOLD COHN AND PARTNERS; SHOEMAKER AND MATTARE LTD; DAVIS AND BUJOLD PLLC; BUJOLD MICHAEL J; MULLER CHRISTOPH ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

13) Family number: 8776227 (US5609262A)

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Title: Tamper evident, child-resistant closure

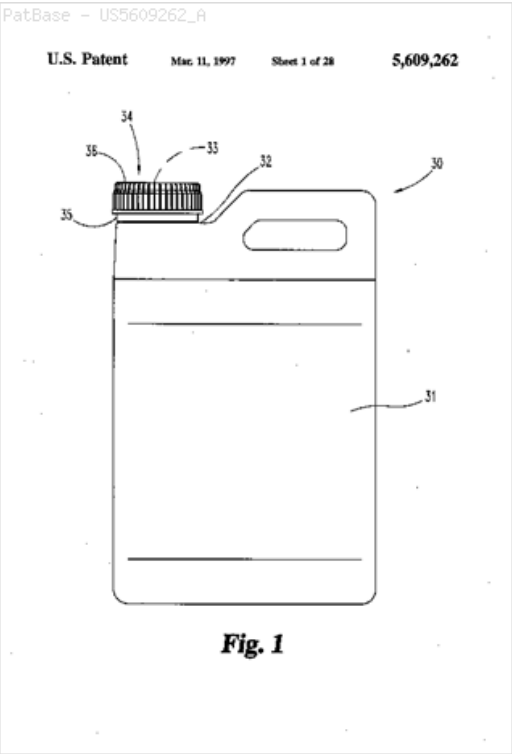
Abstract: A child-resistant, tamper-evident closure for sealing an open-topped container having an external thread formed on a neck finish includes a combination of inner and outer caps where the inner cap includes a tamper-evident band which is connected to the remainder of the inner cap by a series of frangible elements. The inner cap further includes a series of folded ratchet-like tabs which are in a locked position behind an annular bead. The tabs are arranged so as to engage an annular lip on the neck finish. The outer cap snaps over the inner cap and includes a series of ratchet teeth which are directed toward the inner cap. The top surface of the inner cap includes a series of depressions which are sized and arranged for engagement with the series of ratchet teeth. The child-resistant arrangement permits the outer cap to turn relative to the inner cap in a counterclockwise direction. In the clockwise direction, the ratchet teeth and depressions are in engagement such that turning of the outer cap will advance the inner cap into threaded engagement. Removal of the inner cap from the neck finish is achieved by ovalizing the outer cap so as to bring into engagement ribs on the inner cap with ribs on the inside surface of the sidewall of the outer cap. By means of rib engagement and frictional interference, the outer cap is used to remove the inner cap.

Classifications:

International (IPC 8-9): B29C13/02 B29C37/00 B29C45/44 B65D41/32 B65D41/34 B65D50/00 B65D50/04 (Advanced/Invention); B29C37/00 B29C45/44 B65D41/34 B65D50/00 (Core/Invention)

International (IPC 1-7): B29C13/02 B65D41/32 B65D41/34 B65D50/00 B65D50/04 B65D55/02 B65D55/06 B65D55/08 B67B3/00

CPC: B29C37/0014 B29C45/4407 B29L2031/565 B65D41/3428 B65D50/041



Family:

Publication number	Publication date	Application number	Application date
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EP0764591 A1	19970326	EP19960306773	19960918
MX9604215 A1	19980430	MX19960004215	19960920
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Probable Assignee: RIEKE CORP

Assignee(s): (std): RIEKE CORP

Assignee(s): RESKA SPLINE PRODUCTS INC ; RICHARDS MICRO TOOL INC ; RIEKE LEASING CO INC ; RIEKE OF INDIANA INC ; RIEKE OF MEXICO INC ; TOWING HOLDING LLC ; TRIMAS CO LLC ; TRIMAS CORP ; TRIMAS INT HOLDINGS LLC ; WESBAR CORP ; TROUT STANLEY D ; RIEKE UNA SOC ORGANIZADA BAJO LAS LEYES DEL ESTADO DE INDIANA CORP ; ARROW ENGINE CO ; BANK OF NEW YORK MELLON TRUST CO NA SECOND LIEN AG ; BANK OF NEW YORK MELLON TRUST CO NA SECOND LIEN AGENT AS ; BEAUMONT BOLT AND GASKET INC ; CEQUENT CONSUMER PRODUCTS INC ; CEQUENT PERFORMANCE PRODUCTS INC ; CEQUENT TOWING PRODUCTS INC ; COMPAC CORP ; CONSUMER PRODUCTS INC ; CUYAM CORP ; DEW TECHNOLOGIES INC ; DI RITE CO ; DRAW TITE INC ; ENTEGRA FASTENER CORP ; FULTON PERFORMANCE PRODUCTS INC ; JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; HAMMERBLOW ACQUISITION CORP ; HAMMERBLOW CO LLC ; HI VOL PRODUCTS LLC ; INDUSTRIAL BOLT AND GASKET INC ; KEO CUTTERS INC ; LAKE ERIE PRODUCTS CORP ; LAMONS GASKET CO ; LAMONS METAL GASKET CO ; LOUISIANA HOSE AND RUBBER CO ; MONOGRAM AEROSPACE FASTENERS INC ; NETCONG INVESTMENTS INC ; NI IND INC ; NI WEST INC ; NORRIS CYLINDER CO ; NORRIS ENVIRONMENTAL SERVICES INC ; NORRIS IND INC ; PLASTIC FORM INC ; REESE PRODUCTS INC

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Designated states: BE CH DE ES FR GB IT LI

14) Family number: 77735231 (WO20035852A2)

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Title: METHOD AND APPARATUS FOR TRANSCUTANEOUS FACIAL NERVE STIMULATION AND APPLICATIONS THEREOF

Abstract: A system, device, and method for transcutaneous nerve stimulation such as facial nerve stimulation, and in particular, to using transcutaneous nerve stimulation for artificially eliciting eye blink, such as with humans with acute facial paralysis (Bell's palsy or Dry Eye syndrome), is disclosed. A battery-operated wearable device may employ a pulse generator for periodically and automatically generating bursts train of asymmetrical Bi-Phasic square pulses. The output pulses are fed to two electrodes that are attached to the skin of the treated person to stimulate the facial nerve for eliciting blinking at a rate that mimics normal blinking operation. The device may include a sensor and a wireless connection, and the

CPC: A61N1/02

FIG. 3

6 E21B33/064

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

16) Family number: 30468242 (US2004127981A)

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Title: DEVICES, SYSTEMS, AND METHODS FOR RETAINING A NATIVE HEART VALVE LEAFLET

Abstract: Devices, systems and methods retain a native heart valve leaflet to prevent retrograde flow. The devices, systems, and methods employ an implant that, in use, rests adjacent a valve annulus and includes a retaining structure that is sized and shaped to overlay at least a portion of one or more native valve leaflets. The retaining structure retains the leaflet or leaflets it overlays, to resist leaflet eversion and/or prolapse. In this way, the implant prevents or reduces regurgitation. The implant does not interfere significantly with the opening of and blood flow through the leaflets during periods of antegrade flow.

Classifications:

International (IPC 8-9): A41D11/00 A61B1/00 A61B17/00 A61B17/04 A61B17/06 A61B17/11 A61B17/12 A61B17/14 A61B17/32 A61B18/00 A61B18/14 A61B19/00 A61B5/04 A61B90/00 A61B90/50 A61F A61F11/00 A61F13/00 A61F2/00 A61F2/02 A61F2/06 A61F2/24 A61F2/30 A61L27/00 A61M25/00 A61M25/09 A61M25/16 A61M25/18 A61M29/00 A61M31/00 A61M39/00 A61M39/10 A61M5/00 A61N1/05

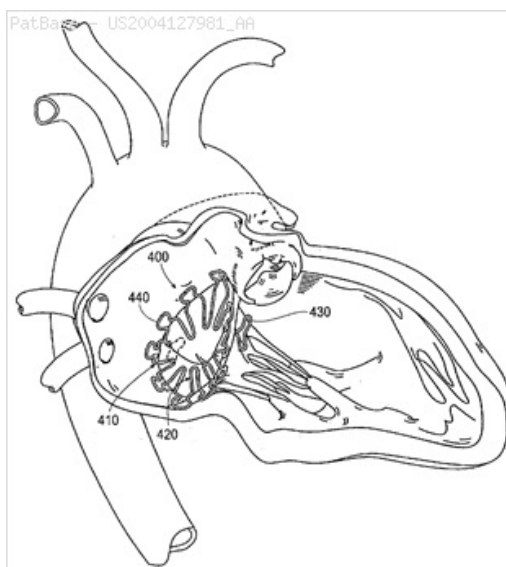
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International (IPC 1-7): A61B17/00 A61B17/08 A61B17/14 A61B17/22 A61B17/32 A61B18/14 A61B19/00 A61B5/04 A61F13/00 A61F2/00 A61F2/02 A61F2/24 A61N1/00 A61N1/05 A61N1/362

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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: MVRX INC

Assignee(s): (std): ANPEL PHARMACEUTICAL CORP ; BROWN MICHELLE ; MACOVIK JOHN A ; CHANG ROBERT T ; MACHOLD TIMOTHY R ; RAHDERT DAVID A ; MACOVIK JOHN ; SCOTT DAVID J ; MACHOLD TIMOTHY ; SCOTT DAVID ; MVRX INC ; AM DISCOVERY INC ; AMPL MEDICAL CORP ; AMPL MEDICAL INC ; THOLFSEN DAVID R ; THOLFSEN DAVID ; THOLFSEN DAVID RAINONE ; THOLFSEN DAVID RAINOU ; SOSS RICK A

Assignee(s): VENTURE LENDING AND LEASING IV INC ; VENTURE LENDING AND LEASING IV ; VENTURE LENDING AND LEASING V ; SKF AB ; VENTURE LENDING AND LEASING V INC ; VENTURE LENDING AND LEASING IV INC AND VENTURE LEN ; VENTURE LENDING AND LEASING IV INC AND VENTURE LENDING AND LEASING V INC ; AMPL MEDICAL INC 1155 CHESS DRIVE SUITE 104 FOSTER CITY CA ; MVRX INC MOSS BEACH

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Inventor(s): DAVID R THOLFSEN ; DAVID J SCOTT ; THOLFSEN DAVID RAINNE ; MACOVIK JOHN LA JOLLA ; MACHOLD TIMOTHY R MOSS BEACH ; CHANG ROBERT T BELMONT ; RAHDERT DAVID A SAN FRANCISCO ; MACOVIK JOHN A LA JOLLA ; RICK A SOSS ; TIMOCHY MAHOLD R ; MACOVIK JOHN A CHANG ROBERT T RAHDERT DAVID A MAC ; TIMOCHY MAHOLD R DAVID LARDET A JOHN MARKVIK A R ; JOHN MACOVIK

Agent(s): GRIFFITH HACK ; SMART AND BIGGAR ; SMART AND BIGGAR LLP ; REHBERG HUEPPE AND PARTNER PATENTANWALTE PARTG MBB ; DEE IAN MARK ; POTTER CLARKSON LLP ; CLARK JANE ANNE ; DEACONS 3RD 7TH 14TH AND 29TH FLOORS ALEXANDRA HOUSE CENTRAL HONG KONG ; DEACONS ; WENPING AND CO ; HK PAT IP LTD ; ASAMURA PATENT OFFICE PC ; ASAMURA KIYOSHI ; ASAMURA HAJIME ; YOSHIDA YUTAKA ; MORI TOHRU ; RYAN KROMHOLZ AND MANION SC ; DANIEL D RYAN RYAN KROMHOLZ AND MANION SC ; LAWRENCE J ; RYAN KRUMHOLZ AND MANION SC ; KILPATRICK TOWNSEND AND STOCKTON LLP ; RYAN DANIEL D ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

17) Family number: 76267242 (US2019321535A)

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Title: MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES

Abstract: Improvements in fluid volume measurement systems are disclosed for a pneumatically actuated diaphragm pump in general, and a peritoneal dialysis cyclor using a pump cassette in particular. Pump fluid volume measurements are based on pressure measurements in a pump control chamber and a reference chamber in a two-chamber model, with different sections of the apparatus being modeled using a combination of adiabatic, isothermal and polytropic processes. Real time or instantaneous fluid flow measurements in a pump chamber of a diaphragm pump are also disclosed, in this case using a one-chamber ideal gas model and using a high speed processor to obtain and process pump control chamber pressures during fluid flow into or out of the pump chamber. Improved heater control circuitry is also disclosed, to provide added or redundant safety measures, or to reduce current leakage from a heater element during pulse width modulation control of the heater. Improvements are also disclosed in the application of negative pressure during a drain phase in peritoneal dialysis therapy, and to control the amount of intraperitoneal fluid accumulation during a therapy. Improvements in efficiency are also disclosed in the movement of fluid into and out of a two-pump cassette and heater bag of a peritoneal dialysis cyclor, and in the synchronization of the operation of two or more pumps in a peritoneal dialysis cyclor or other fluid handling devices using a multi-pump arrangement.

Classifications:

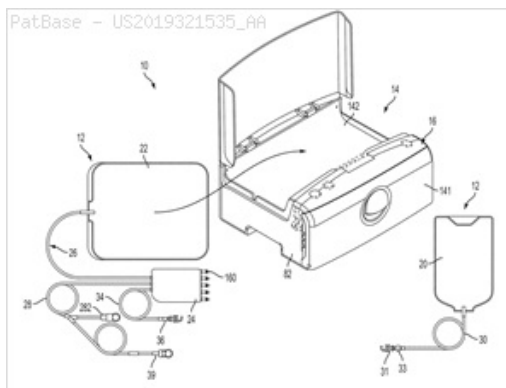
International (IPC 8-9): A61M1/16 A61M1/28 A61M1/36

G01V8/20 (Advanced/Invention)

CPC: A61M1/282 G01V8/20 A61M1/288 A61M1/166 A61M1/3656

A61M1/28 A61M2205/12 A61M2205/3379 A61M2205/3331

A61M2205/13 A61M2205/14 A61M2205/3306 A61M2205/502



Family:

Publication number	Publication date	Application number	Application date
US2019321535 AA	20191024	US20190247204	20190114

Priority:

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US20110555926P 20111104 US20120667696 20121102 US20140008342P 20140605
US20150155937P 20150501 US20150159737P 20150511 US20150732564 20150605
US20190247204 20190114

Probable Assignee: DEKA PRODUCTS PARTNERSHIP LTD

Assignee(s): (std): DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): SCARPACI JACOB W ; RUSHLOW JOSEPH P ; SPENCER GEOFFREY P ; BRYANT JR ROBERT J ;
GIROUARD PAUL G ; COLL ANDREW S ; KERWIN JOHN M ; NORRIS MICHAEL G ; BEAVERS DAVID A

18) Family number: 32121244 (US2005156954A)

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Title: SELF CONTAINED WALLPAPER PRINTER

Abstract: A self contained printer produces rolls of wallpaper on demand. The unit is contained in a cabinet through which runs a media path. The path extends from a replaceable media cartridge a to a winding area which holds a customer tote. A full width digital color printhead is located internally and across the media path. The printer's processor accepts operator inputs which are used to configure the printer for producing a particular roll.

Classifications:

International (IPC 8-9): B26D1/56 B41F17/00 B41F23/00 B41F23/04
B41F35/00 B41J11/00 B41J11/66 B41J11/68 B41J11/70 B41J15/00
B41J15/02 B41J15/04 B41J15/06 B41J2/01 B41J2/015 B41J2/04
B41J2/045 B41J2/05 B41J2/155 B41J2/16 B41J2/165 B41J2/17
B41J2/175 B41J2/21 B41J2/25 B41J2/255 B41J29/13 B41J29/38
B41J3/00 B41J3/407 B41L41/00 B41M3/18 B65D5/46 B65D5/72
B65D85/67 B65D85/672 B65H16/00 B65H16/06 B65H19/12
G06K7/00 (Advanced/Invention);
B41J3/407 (Advanced/Non-invention);
B41F17/00 B41J11/00 B41J11/66 B41J11/70 B41J15/04 B41J15/06
B41J2/01 B41J2/145 B41J2/21 B41J3/00 B41J3/407
B41M3/00 (Core/Invention)

International (IPC 1-7): B41F17/00 B41F23/04 B41J11/66 B41J15/00
B41J15/02 B41J15/04 B41J15/06 B41J2/01 B41J2/045 B41J2/05
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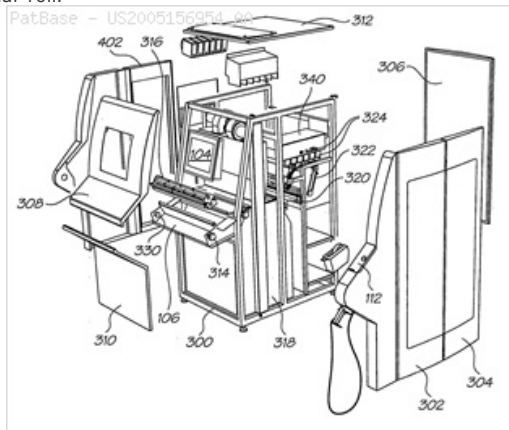
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B41J2002/14362 B41J2002/14435 B41J2002/14491 B41J2202/19 B41J2202/20 Y10T83/4702 Y10T83/4798 Y10T83/483
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European: B41J11/00B B41J11/00C1 B41J11/68 B41J11/70 B41J15/00L B41J15/02 B41J15/04 B41J15/04A B41J15/04C
B41J2/14S B41J2/155 B41J2/16M1 B41J2/16M3 B41J2/16S B41J2/175 B41J2/175C7E B41J2/515 L41J15/04 L41J15/04A
L41J15/04C L41J2/14K L41J2/14S1 L41J2/14Y L41J202/19 L41J202/20 L41J3/46

US: 101/424.1 101/424.100P 101/424.100S 101/483 101/487 101/488 206/225 206/397 206/409 206/413 235/436 235/436S
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Assignee(s): (std): KING TOBIN ALLEN ; LEE JANETTE FAYE ; SILVERBROOK KIA ; SILVERBROOK RES PTY LTD ; SILVERBROOK RESEARCH PTY LTD ; ZAMTEC LTD

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Inventor(s): (std): SILVERBROOK KIA ; KING TOBIN ALLEN ; LEE JANETTE FAYE ; KING TOBIN ; KIA SILVERBROOK ; TOBIN ALLEN KING ; LEE JANETTE F ; KING TOBIN A

Inventor(s): JANETTE FAYE LEE ; SILVERBROOK KIA SILVERBROOK RESEARCH PTY LTD ; KING TOBIN ALLEN SILVERBROOK RESEARCH PTY LTD ; SILVERBROOK KIA SILVERBROOK RESEARCH PTY LTD BALMAIN ; KING TOBIN ALLEN SILVER BALMAIN ; LEE JANETTE

Agent(s): SILVERBROOK RESEARCH PTY LTD; MOORE BARRY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

19) Family number: 72874268 (WO15188154A9)

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Title: SYSTEM FOR CALCULATING A CHANGE IN FLUID VOLUME IN A PUMPING CHAMBER

Abstract: Improvements in fluid volume measurement systems are disclosed for a pneumatically actuated diaphragm pump in general, and a peritoneal dialysis cyclor using a pump cassette in particular. Pump fluid volume measurements are based on pressure measurements in a pump control chamber and a reference chamber in a two-chamber model, with different sections of the apparatus being modeled using a combination of adiabatic, isothermal and polytropic processes. Real time or instantaneous fluid flow measurements in a pump chamber of a diaphragm pump are also disclosed, in this case using a one-chamber ideal gas model and using a high speed processor to obtain and process pump control chamber pressures during

fluid flow into or out of the pump chamber. Improved heater control circuitry is also disclosed, to provide added or redundant safety measures, or to reduce current leakage from a heater element during pulse width modulation control of the heater. Improvements are also disclosed in the application of negative pressure during a drain phase in peritoneal dialysis therapy, and to control the amount of intraperitoneal fluid accumulation during a therapy. Improvements in efficiency are also disclosed in the movement of fluid into and out of a two-pump cassette and heater bag of a peritoneal dialysis cycler, and in the synchronization of the operation of two or more pumps in a peritoneal dialysis cycler or other fluid handling devices using a multi-pump arrangement.

Classifications:

International (IPC 8-9): A61M1/10 A61M1/28 A61M1/30 F04B43/02 (Advanced/Invention)

CPC: A61M2205/3331 A61M2205/3379 A61M39/22 A61M1/1006 A61M1/1012 A61M1/1037 A61M1/106 A61M1/1062 A61M1/1086 A61M1/1087 A61M1/1096 A61M1/166 A61M1/28 A61M1/282 A61M1/288 A61M2205/12 A61M2205/3334 A61M2205/3396 A61M2205/6063

PatBase - WO15188154_A1

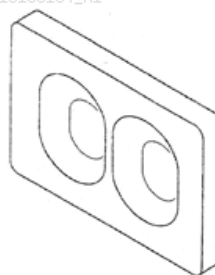


FIG. 5

Family:

Publication number	Publication date	Application number	Application date
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MX2016016004 A1	20170711	MX20160016004	20150605
SG10201910597X A1	20191230	SG20191010597	20150605
SG11201610049U A1	20161229	SG20161110049	20150605
WO15188154 A1	20151210	WO2015US34570	20150605
WO15188154 A8	20170119	WO2015US34570	20150605
WO15188154 A9	20160421	WO2015US34570	20150605

Priority:

US20140008342P 20140605 US20150155937P 20150501 US20150159737P 20150511
WO2015US34570 20150605

Probable Assignee: DEKA PRODUCTS LP

Assignee(s): (std): DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): BOLTON EDGAR J ; MCGILL DAVID W ; HELMORE SIMON C ; NORRIS MICHAEL G ; KERWIN JOHN M ; RUSHLOW JOSEPH P ; SCARPACI JACOB W ; HIBBARD DAVID J ; SPENCER GEOFFREY P ; COLL ANDREW S ; KAROL DANIEL S ; YOO JINSUN ; DALE JAMES D ; BEAVERS DAVID A ; GIROUARD PAUL G ; SINGER DANIEL B ; DOHERTY DAVID A ; BRYANT ROBERT J ; DOHERTY DAVID B ; MANDRO MARC A ; DAVID B DOHERTY ; JOSEPH P RUSHLOW ; DANIEL S KAROL ; PAUL G GIROUARD ; JINSUN YOO ; EDGAR J BOLTON ; DANIEL B SINGER

Agent(s): HOFFMANN EITL; ONDA HIRONORI; ONDA MAKOTO; PIZZEYS PTE LTD; POMIANEK MICHAEL J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

20) Family number: 19394297 (GB711464A)

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Title: Improvements in and relating to garment hangers

Abstract: 711,464. Skirt hangers. SALTMER, L. A. W. Aug. 7, 1951 [May 5, 1950; March 6, 1951], Nos. 1120Q/50 and 5403/51. Class 52(5) A skirt or like hanger comprises two arms 1, 2 pivotally mounted on a hook 4 so that when the ends of the arms are engaged in a skirt band the hanger can become wedged in position, a stop 6 fixed to the lower end of the hook limiting the downward movement of the arms. To increase the range of sizes of garment with which it may be used the arms may be telescopic or a third arm 24 may be pivotally mounted off centre so it may be used with either arm 22 or arm 23. Alternatively, multiple arms as shown in Fig. 5 may be utilized. Two arms 43, 44 of different lengths are provided on pivots 41, 42. The two arms not required for use are turned to lie along either side of the hook 45. In a further construction, Fig. 7, the arm 62 is provided with a pivot which may be inserted in one of a series of apertures 63 and held in position by springs or by a nut. Alternatively, the apertures may be in the form of notches, Fig. 10. The shank 95 passes into one of the notches 92 and cannot be removed therefrom until the arm is turned through 90 degrees when the pivot pin can move along the slot 91.

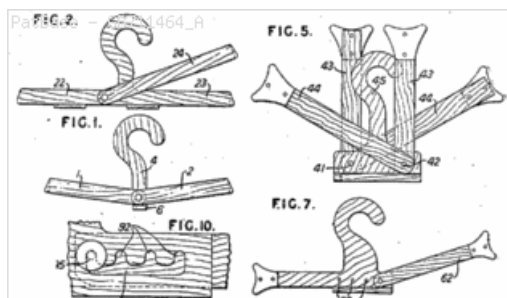
Classifications:

International (IPC 8-9): A47G25/40 (Advanced/Invention); A47G25/00 (Core/Invention)

International (IPC 1-7): A47J51/10

CPC: A47G25/403

European: A47G25/40D4



Family:

Publication number	Publication date	Application number	Application date
GB711464 A	19540707	GB19500011200	19500505

Priority:

GB19500011200 19500505

Probable Assignee:

LIONEL ARTHUR WITTON SALTMER

Assignee(s): (std):

LIONEL ARTHUR WITTON SALTMER

21) Family number: 29330320 (US4782602A)

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Title: Shoe with foot warmer including an electrical generator

Abstract: There is disclosed an inner shoe for a molded ski boot which includes a foot warmer mechanism having an electrical resistance heater, an electrical generator, a mechanical translator to translate vertical movements of the wearer's heel into uni-directional rotational movement of a flywheel, and a gear box mechanically coupling the flywheel to the electrical generator. Specific features of the mechanism include: a shock absorbing resilient coupling of the flywheel to prevent damaging the mechanism while jumping or otherwise subjecting the shoe to hard usage; interchangeable generators and gear boxes to accommodate wearer's of varied size and weight as well as for varied intensity of activity; and an entirely sealed, remote latch to lock the mechanical drive out of operation.

Classifications:

International (IPC 8-9): A41D13/00 A41D13/015 A41D19/00 A41D19/015 A42B3/12 A43B13/20 A43B13/38 A43B13/40 A43B13/41 A43B13/42 A43B17/03 A43B23/07 A43B23/16 A43B5/04 A43B7/02 A43B7/04 A43B7/06 A43B7/08 A43B7/14 A43B7/32 A61F5/058 A63B21/065 A63B22/00 A63B71/14 B29D35/12 B62J1/26 (Advanced/Invention);

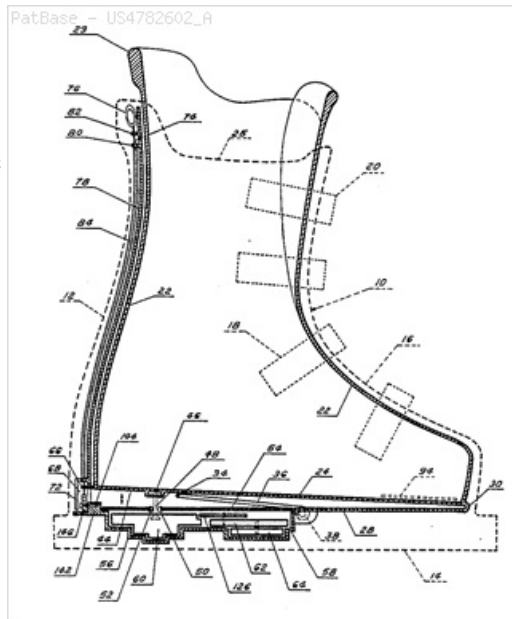
A43B13/38 A43B13/42 A43B7/14 F25B27/00 (Advanced/Non-invention); A41D13/00 A41D13/015 A41D19/00 A41D19/015 A42B3/04 A43B13/18 A43B13/38 A43B13/42 A43B17/00 A43B23/00 A43B5/04 A43B7/00 A43B7/14 A43B7/32 A61F5/04 A63B21/06 A63B22/00 A63B71/08 B29D35/00 B62J1/00 (Core/Invention)

International (IPC 1-7): A41D1/00 A41D19/00 A42B3/00 A42B3/12 A43B13/20 A43B13/38 A43B13/40 A43B13/41 A43B13/42 A43B17/03 A43B19/00 A43B19/00 A43B23/07 A43B5/04 A43B5/04 A43B7/02 A43B7/04 A43B7/06 A43B7/06 A43B7/14 A43B7/28 A43B7/32 A47C27/10 A61F7/00 A63B22/00 A63B71/14 B62J1/26 F04B23/00 F04B41/00 F28F7/00 H05B3/00 H05B3/00

CPC: F25B27/00 A43B7/082 A43B7/081 A43B5/0439 A43B23/029 A43B7/20 A42B3/122 A43B23/16 B29D35/12 A41D13/015 A63B21/4001 A41D19/01535 A43B13/206 A42B3/121 A43B1/0018 A43B1/0054 A43B3/0005 A43B5/0407 A43B7/04 A43B13/203 A43B17/035 A61F5/05816 B62J1/26 A41D19/0055

European: A41D13/00C A41D13/015 A41D19/00D A41D19/00P A41D19/015C A41D19/015D2 A42B3/12B A42B3/12B2 A43B1/00B A43B1/00M A43B13/20P A43B13/20T A43B17/03P A43B23/16 A43B3/00E A43B5/04B2 A43B7/02 A43B7/04 A43B7/08B A61F5/058C A63B21/14A B29D35/12 B62J1/26 R25B27/00

US: 128/382 165/46 2/2.1R 2/413 219/211 219/527 297/199 297/452.41 36/11.5 36/117 36/117.1 36/117.3 36/117.9 36/119 36/2.6 36/26 36/29 36/3B 36/43 36/44 36/54 36/71 36/93 417/435 417/440 482/51 52/57 52/74 607/111



Family:

Publication number	Publication date	Application number	Application date
AT139886 E	19960715	AT19880904493T	19881101
AT174190 E	19981215	AT19900905774T	19900313
AU199053495 A1	19901009	AU19900053495	19900313
AU199180628 A1	19920107	AU19910080628	19910617
AU199191656 A1	19920817	AU19910091656	19911213
AU199349919 A1	19940124	AU19930049919	19930629
AU651948 B2	19940811	AU19900053495	19900313
AU662482 B2	19950907	AU19910080628	19910617
CA1341244 A1	20010605	CA19880582452	19881107
CA2085341 AA	19921214	CA19912085341	19910617
CA2099766 AA	19930629	CA19912099766	19911213
DE3855396 D1	19960808	DE19883855396	19881101
DE3855396 T2	19970220	DE19883855396T	19881101
DE69032822 D1	19990121	DE19906032822	19900313
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EP0441779 A1	19910821	EP19890904493	19881101
EP0441779 A4	19911030	EP19890904493	19881101
EP0441779 B1	19960703	EP19890904493	19881101
EP0463095 A1	19920102	EP19900905774	19900313
EP0463095 A4	19930915	EP19900905774	19900313
EP0463095 B1	19981209	EP19900905774	19900313
EP0545940 A1	19930616	EP19910911924	19910617
EP0545940 A4	19931229	EP19910911924	19910617
EP0565617 A1	19931020	EP19920903682	19911213
EP0565617 A4	19931229	EP19920903682	19911213
EP0918935 A1	19990602	EP19970951479	19971128
EP0918935 A4	20010912	EP19970951479	19971128
JP3032286 B2	20000410	JP19900505483	19900313
JP4504073 T2	19920723	JP19900505483T	19900313
JP5508783 T2	19931209	JP19910511280T	19910617
JP6503981 T2	19940512	JP19920503339T	19911213
KR0144563 B1	19980715	KR19910071129	19910914
KR19920700568 A	19920810	KR19910701129	19910914
KR19927000568 A	19920810	KR19917001129	19900313
KR19930700023 A	19930313	KR19920703261	19921217

KR19937000023 A	19930313	KR19927003261	19910617
KR19937002910 A	19931129	KR19937001989	19911213
KR930702910 A	19931129	KR19930701989	19930630
US4782602 A	19881108	US19870054189	19870526
US4823482 A	19890425	US19870093579	19870904
US4845338 A	19890704	US19880177410	19880404
US4941271 A	19900717	US19880230908	19880811
US4991317 A	19910212	US19890323340	19890314
US5025575 A	19910625	US19890427515	19891027
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US5846063 A	19981208	US19970781531	19970109
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WO9211780 A1	19920723	WO1991US09347	19911213
WO9400032 A1	19940106	WO1993US06215	19930629
WO9823863 A1	19980604	WO1997US21676	19971128

Priority:

US19870054189	19870526	US19870093579	19870904	US19880177410	19880404
US19880230908	19880811	US19880262749	19881028	WO1988US03881	19881101
CA19880582244	19881104	CA19880582452	19881107	US19890323340	19890314
US19890427515	19891027	WO1990US01377	19900313	US19900539978	19900618
US19900636603	19901231	WO1991US04328	19910617	US19910754059	19910903
US19910754039	19910903	WO1991US09347	19911213	US19920907755	19920629
US19920931025	19920817	WO1993US06215	19930629	US19940284894	19940802
US19960032155P	19961129	US19970781531	19970109	WO1997US21676	19971128

Probable Assignee: LEMIRE BRETT J

Assignee(s): (std): LAKIC NIKOLA ; LEMIRE BRETT J

Assignee(s): NIKOLA LAKIC ; LAKIC NIKOLA INDIO CALIF ; LAKIC NIKOLA INDIO CALIF US

Inventor(s): (std): LAKIC NIKOLA ; NIKOLA LAKIC ; LEMIRE BRETT J

Inventor(s): LAKIC NIKOLA INDIO CALIF ; LAKIC NIKOLA INDIO CALIF US

Agent(s): GRIFFITH HACK; CASSAN MACLEAN; RIDOUT AND MAYBEE LLP; BARRIGAR AND MOSS

Designated states: AT AU BE BR CA CH CS DE DK ES FI FR GB GR HU IE IT JP KR LI LU MC NL NO PL PT RO SE SU

22) Family number: 40831328 (US2008002345A)

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Title: PORTABLE DEVICE DOCKING STATION

Abstract: An external expanding apparatus or "docking station" operable with a portable computer device of a type having a display unit having a display screen on an inner surface thereof and a hard shell backing surface opposite thereof and pivotally mounted on a substantially rigid casing having a pair of locating holes adjacent to opposite corners of a substantially planar bottom surface thereof, and an input/output (I/O) connector positioned on a back plane thereof with a pair of positioning apertures provided on opposite sides thereof.

Classifications:

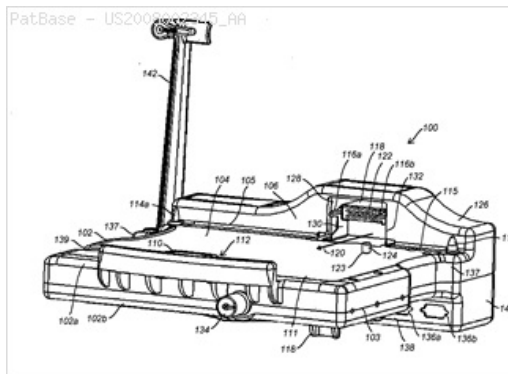
International (IPC 8-9): G06F1/16 G06F13/00 H01R13/62 H05K5/00 H05K7/00 (Advanced/Invention);

G06F1/16 G06F13/00 H01R13/62 H05K5/00 (Core/Invention)

CPC: Y10T70/5009 G06F1/1632 H01R31/005

European: G06F1/16P6

US: 211/41.17 248/122.1 312/223.1 312/223.2 361/679.06 361/679.29 361/679.4 361/679.41 361/679.410P 361/679.43 361/679.430P 361/679.55 361/683 361/686 361/724 370/419 439/296 439/296P 62/3.2 70/58 710/303 710/303S 713/300 713/322 714/805 715/530



Family:

Publication number	Publication date	Application number	Application date
US2008002345 AA	20080103	US20060490402	20060719
US2008002351 AA	20080103	US20060496643	20060731
US2008002352 AA	20080103	US20060525353	20060923
US2008002353 AA	20080103	US20060525354	20060923
US2008002354 AA	20080103	US20060543356	20061004
US2008002355 AA	20080103	US20070725337	20070319
US2008002369 AA	20080103	US20060493107	20060726
US2008003860 AA	20080103	US20060606729	20061130
US2010073862 AA	20100325	US20090462838	20090810
US2012224321 AA	20120906	US20120470144	20120511
US7298611 BA	20071120	US20060480666	20060630
US7315453 BA	20080101	US20060493107	20060726
US7417855 BB	20080826	US20060490402	20060719
US7426108 BB	20080916	US20060525353	20060923
US7508661 BB	20090324	US20060525354	20060923
US7573706 BB	20090811	US20060496643	20060731
US7573706 C1	20111004	US20060496643	20060731

US7583495 BB	20090901	US20070725337	20070319
US7894180 BB	20110222	US20090462838	20090810
US7894180 C1	20111004	US20090462838	20090810
US8179672 BB	20120515	US20060543356	20061004
US8179672 C1	20130311	US20060543356	20061004
US8179672 C2	20131104	US20060543356	20061004
US9036343 BB	20150519	US20120470144	20120511
US9036343 K1	20180112	US20120470144	20120511

Priority:

US20060480666 20060630	US20060490402 20060719	US20060493107 20060726
US20060496643 20060731	US20060525354 20060923	US20060525353 20060923
US20060543356 20061004	US20060606729 20061130	US20070725337 20070319
US20090462838 20090810	US20120470144 20120511	

Probable Assignee: NATIONAL PRODUCTS INC

Assignee(s): (std): CARNEVALI JEFFREY D ; NAT PRODUCTS INC

Assignee(s): NATIONAL PRODUCTS INC

Inventor(s): (std): CARNEVALI JEFFREY D

Agent(s): CHARLES J RUPNICK; CHARLES J; RUPNICK CHARLES J; RUPNICK ATTORNEY AT LAW CHARLES J; CHARLES J RUPNICK ATTORNEY AT LAW; BRUCE E; LOWE GRAHAM JONES PLLC

23) Family number: 4726328 (US5040691A)

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Title: Child-resistant, easy opening package

Abstract: Disclosed is a package having a closure which provides child resistance with optional easy opening and closing features. The closure is permanently but rotatably attached to the container finish, and is held on the container by snap engagement with the container or with an adapter which is separately attached to the container. The closure has a depending skirt which encircles a latching flange on the container or on the adaptor. A hinged lid on the closure has a latch which is latchable beneath the latching flange only if the closure is turned to a position such that the latch is aligned with a latch slot in the latching flange. Rotation of the closure relative to the slot, once the latch has been engaged through the slot, locks the lid against opening.

Classifications:

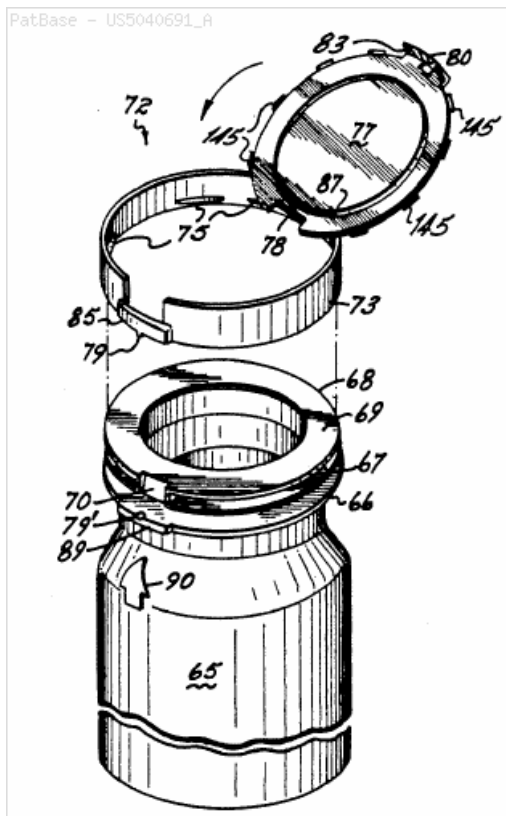
International (IPC 8-9): B65D50/06 (Advanced/Invention); B65D50/00 (Core/Invention)

International (IPC 1-7): B65D41/32 B65D55/02

CPC: B65D50/061 B65D2101/0023

European: B65D50/06B L65D101/00A3

US: 215/206 215/216 215/224 215/235 215/237 215/245 215/253 220/269 220/306 220/339 220/780 220/792 220/837 220/838



Family:

Publication number	Publication date	Application number	Application date
US5040691 A	19910820	US19890450039	19891213
US5083671 A	19920128	US19900515728	19900427

Priority:

US19890450039 19891213 US19900515728 19900427

Probable Assignee: ANCHOR HOCKING PACKAGING

Assignee(s): (std): ANCHOR HOCKING PACKAGING ; ANCHOR HOCKING PACKAGING COMPA

Assignee(s): CHASE MANHATTAN BANK AS COLLATERAL AGENT ; ANCHOR HOCKING PACKAGING COMPANY ; ANCHOR HOCKING PACKAGING CO ; ANCHOR HOCKING CORP

Inventor(s): (std): HAYES THOMAS H ; LOMAGLIO LEWIS C

Title: DENTAL IMPLANT SYSTEM

Abstract: The dental implant system includes implants having integral abutments therewith for the removable or fixed attachment of plural or single prosthetic teeth, as appropriate. The system for removable dental prostheses includes a metal housing permanently installed in the removable prosthesis, and a rubber retentive insert installed in the housing. The insert is removably installed over the abutment of the implant to secure the dental prosthesis thereto. The system includes transfer copings for transferring an impression to the lab for manufacture of the prosthesis, and lab processing copings and analogs for handling and forming the prosthesis during manufacture. The system may be assembled as a kit having some or all of the above components.

Classifications:

International (IPC 8-9): A61C13/263 A61C13/32

A61C8/00 (Advanced/Invention);

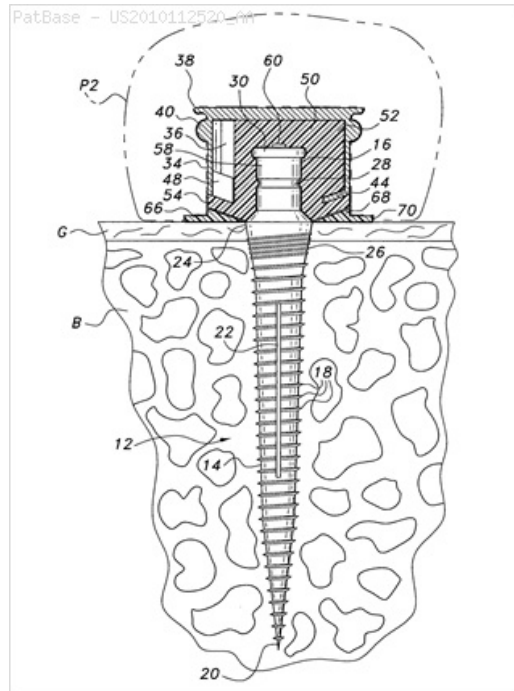
A61C13/225 A61C8/00 (Core/Invention)

CPC: A61C8/0025 A61C8/0001 A61C8/0022 A61C8/0048

A61C8/0075 A61C8/0089

European: A61C8/00B A61C8/00G A61C8/00G2 K61C8/00F2 K61C8/00T

US: 433/169 433/169P 433/173 433/173S 433/174 433/174S

**Family:**

Publication number	Publication date	Application number	Application date
US2010112520 AA	20100506	US20090461954	20090828
US2013252205 AA	20130926	US20130901707	20130524
US8454363 BB	20130604	US20090461954	20090828
WO10053506 A2	20100514	WO2009US05798	20091026
WO10053506 A3	20100812	WO2009US05798	20091026

Priority:

US20080111941P 20081106 US20090215954P 20090512 US20090461954 20090828
US20130901707 20130524

Probable Assignee: WORTHINGTON WILLIAM B

Assignee(s): (std): WORTHINGTON WILLIAM B

Inventor(s): (std): WORTHINGTON WILLIAM B

Agent(s): LITMAN LAW OFFICES LTD; RICHARD C; LYONS ROBERT B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: APPAREIL AUTONOME DE DESTRUCTION DE DECHETS CAMERA SELF DESTRUCTION OF WASTE (Machine translation)

Abstract: Source: FR1293899A [FR] (Claim 1) 1. Appareil de destruction de déchets comprenant une enveloppe qui présente une paroi supérieure dans laquelle est ménagé un trou, une cuvette montée dans l'enveloppe directement au-dessus de ce trou, un moyen définissant, pour la cuvette, un tronçon inférieur mobile, une chambre de combustion disposée dans l'enveloppe au-dessus de ce tronçon inférieur mobile, un brûleur à gaz qui présente un bec disposé de manière à diriger une flamme vers une section inférieure de la chambre de combustion située sous la cuvette, et un ventilateur associé à l'enveloppe et propre à créer à travers l'enveloppe, suivant une direction générale horizontale un courant d'air qui franchit la chambre de combustion, de manière à fournir à la flamme du brûleur assez d'oxygène pour oxyder rapidement les déchets contenus dans un réceptacle et pour évacuer les gaz dans l'atmosphère.

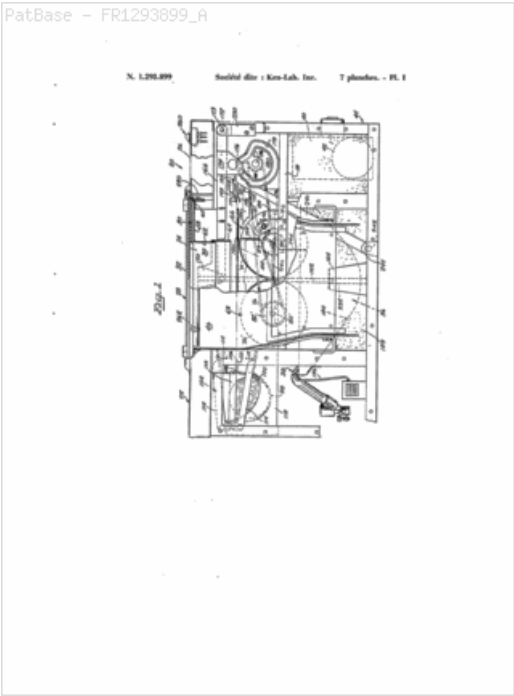
Machine translation: (Claim 1) 1. Waste destruction apparatus comprising an envelope which has an upper wall wherein is made a hole, a bowl mounted in the envelope directly over the hole, means defining, for basin, a lower portion mobile, a combustion chamber au-dessus disposed in the casing of the mobile lower section, a gas burner which has presented a bill to direct a flame into a lower section of the combustion chamber located under the bowl, and a fan casing and associates has create a clean through the envelope, following a general direction a horizontal air stream that crosses the combustion chamber, so as to provide a flame burner enough oxygen to rapidly oxidize the waste contained in a receptacle and evacuate the gases in the atmosphere.

Classifications:

International (IPC 8-9): A47K11/02 (Advanced/Invention);

A47K11/00 (Core/Invention)

International (IPC 1-7): F23G3/00



Family:

Publication number	Publication date	Application number	Application date
FR1293899 A	19620518	FR19610866585	19610630

Priority:

FR19610866585 19610630

Probable Assignee:

KEN LAB INC

Assignee(s): (std):

KEN LAB INC

26) Family number: 72874407 (US2016101278A)

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Title: MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES

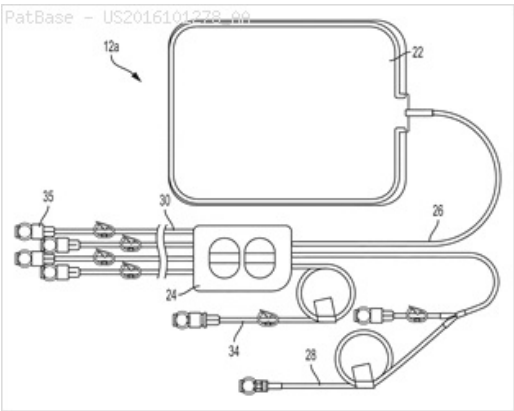
Abstract: Improvements in fluid volume measurement systems are disclosed for a pneumatically actuated diaphragm pump in general, and a peritoneal dialysis cyclor using a pump cassette in particular. Pump fluid volume measurements are based on pressure measurements in a pump control chamber and a reference chamber in a two-chamber model, with different sections of the apparatus being modeled using a combination of adiabatic, isothermal and polytropic processes. Real time or instantaneous fluid flow measurements in a pump chamber of a diaphragm pump are also disclosed, in this case using a one-chamber ideal gas model and using a high speed processor to obtain and process pump control chamber pressures during fluid flow into or out of the pump chamber. Improved heater control circuitry is also disclosed, to provide added or redundant safety measures, or to reduce current leakage from a heater element during pulse width modulation control of the heater. Improvements are also disclosed in the application of negative pressure during a drain phase in peritoneal dialysis therapy, and to control the amount of intraperitoneal fluid accumulation during a therapy. Improvements in efficiency are also disclosed in the movement of fluid into and out of a two-pump cassette and heater bag of a peritoneal dialysis cyclor, and in the synchronization of the operation of two or more pumps in a peritoneal dialysis cyclor or other fluid handling devices using a multi-pump arrangement.

Classifications:

International (IPC 8-9): A61M1/16 A61M1/28 A61M39/22 (Advanced/Invention); A61M1/10 (Advanced/Non-invention)

CPC: A61M39/22 A61M2205/3331 A61M2205/3379 A61M1/1006 A61M1/1012 A61M1/1037 A61M1/106 A61M1/1062 A61M1/1086 A61M1/1087 A61M1/1096 A61M1/166 A61M1/28 A61M1/282 A61M1/288 A61M2205/12 A61M2205/3334 A61M2205/3396 A61M2205/6063

US: 604/29



Family:

Publication number	Publication date	Application number	Application date
US2016101278 AA	20160414	US20150732571	20150605
US10058694 BB	20180828	US20150732571	20150605

Priority:

US20140008342P 20140605
US20150732571 20150605

US20150155937P 20150501

US20150159737P 20150511

Probable Assignee: DEKA PRODUCTS PARTNERSHIP LTD

Assignee(s): (std): DEKA PRODUCTS LP ; DEKA PRODUCTS LTD PARTNER

Assignee(s): DEKA PRODUCTS PARTNER LTD ; DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): NORRIS MICHAEL G ; SCARPACI JACOB W ; BRYANT JR ROBERT J ; SPENCER GEOFFREY P ; HIBBARD DAVID J ; DALE JAMES D ; KERWIN JOHN M ; COLL ANDREW S ; BEAVERS DAVID A ; MCGILL DAVID W ; HELMORE SIMON C ; DOHERTY DAVID B ; BOLTON EDGAR J ; YOO JINSUN ; GIROUARD PAUL G ; KAROL DANIEL S ; SINGER DANIEL B ; RUSHLOW JOSEPH P

Inventor(s): BRYANT JR

Agent(s): WOLF GREENFIELD AND SACKS PC

27) Family number: 29979408 (GB1000578A)

© PatBase

Title: Improvements in or relating to illuminated push-button-type electric switches

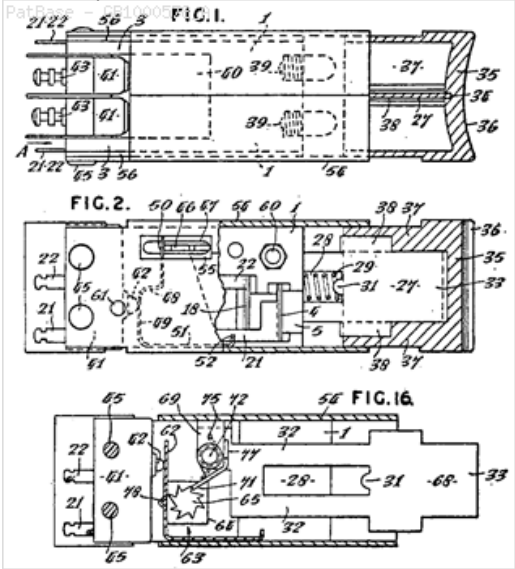
Abstract: 1,000,578. Switches held set and freed mechanically. BURGESS PRODUCTS CO. Ltd. June 28, 1963 [June 29, 1962], No. 23243/62. Heading H2B. An illuminated push-button switch comprises two identical body parts 1 held together by an outer casing 54 and two rivets 45 which also pass through two micro-switches 41. The parts 1 form a large recess 40 in which the switches 41 and a resilient actuator strip 48 are located, and at their forward ends have recesses accommodating lamps 39 whose connecting elements 21, 22 extend to the rear and form terminals adjacent terminals 43 of the switches 41. Shallow recesses on the mating faces of the forward ends of the body parts 1 (Figs. 5 and 6, not shown) form a slot, in which a plate member 27 is longitudinally slidable, and a cylindrical hole in which a spring 29 is seated. The spring 29 lies in a cut-out 28 in member 27 and urges it outwards. A push-button 37 fits on to the protruding end 33 of member 27 and is removable for access to lamps 39. The member 27 has a bent-up lug 46 at its inner end which engages the actuator 48 and also extends through a slot in the casing to be engaged by known latching means (not shown). A plurality of switches may be assembled with a common latching means (Figs. 13 and 14, not shown) such that depression of any one button releases a previously latched switch, or a special release button may be provided. In the further embodiment of Fig. 16 a ratchet-wheel 65 is moved one tooth by a spring-loaded pawl 71 each time the end 33 is depressed and this revolves a square-section rotor 64 by 45 degrees. Successive actuations thus result in the switches 41 being alternately held open (when a flat on rotor 64 seats as shown) and held closed (when an edge of rotor 64 seats in notch 78).

Classifications:

International (IPC 8-9): H01H13/02 H01H13/58 (Advanced/Invention); H01H13/02 H01H13/50 (Core/Invention)

CPC: H01H13/023 H01H13/58 H01H2013/026

European: H01H13/02B H01H13/58 T01H13/02B1



Family:

Publication number	Publication date	Application number	Application date
AU3234563 A1	19650107	AU19630032345	19630626
AU3234563 B1	19650107	AU19630032345	19630626
DE1440832 A1	19690508	DE19631440832	19630615
ES289422 A1	19631101	ES19630289422	19630627
FR1395546 A	19650416	FR19630938273	19630615
GB1000578 A	19650804	GB19620023243	19620629

Priority:

GB19620023243 19620615 GB19620023243 19620629 FR19630938273 19630615

Probable Assignee: BURGESS PRODUCTS CO LTD

Assignee(s): (std): BURGESS PRODUCTS CO LTD

Assignee(s): BURGESS PRODUCTS COMPANY LIMITED ; BURGESS PRODUCTS COMPANY LTD

Inventor(s): (std): HOLDEN BRIAN ASTBURY ; ASTBURY HOLDEN BRIAN ; GRIEVES GORDON

Inventor(s): GORDON GRIEVES AND BRIAN ASTBURY HOLDEN

28) Family number: 34275448 (US2007051842A)

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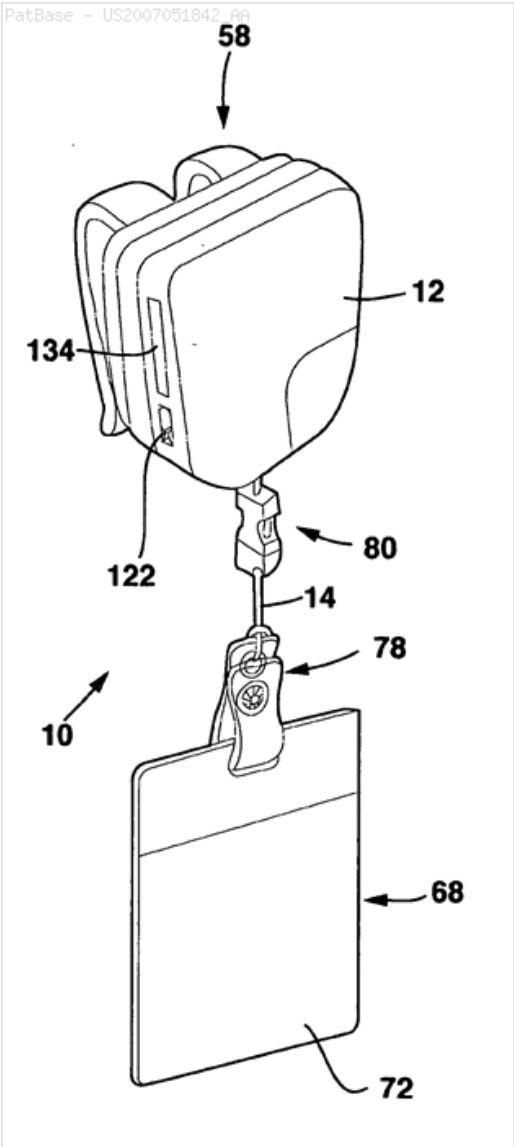
Title: PERSONAL DEVICE WITH TETHER SYSTEM AND METHOD OF USE

Abstract: The present invention in one embodiment is a combination of a personal device with a tether that connects the personal device with items of interest, especially security cards or identity badges, credit cards, lunch cards, library cards, keys, group identifiers, mottos, motivational or inspirational messages, pictures, colorful indicia, designs, pill containers, money clips, pouches, cases, purses, envelopes, pocket protectors, pens, pencils, pictures, loyalty cards, note paper, games, lotions, glasses, business cards or any other object that may be desirable to have on the user's person. In another embodiment, the invention includes the combination of a pedometer with other personal devices. One embodiment of the invention includes a method of using a pedometer-tether combination as part of a health promotion program.

Classifications:

International (IPC 8-9): B65H75/48 (Advanced/Invention);

B65H75/38 (Core/Invention)
CPC: A45C11/182 A45C2011/001 A45C2011/002 A45F5/004
A45F5/02 A45F5/021 A45F2200/0508 A45F2200/0516
A45F2200/0541 A45F2200/055
European: A45C11/18C A45F5/00R K45C11/00A K45C11/00C
K45F200/05A K45F200/05C K45F200/05H K45F200/05J K45F5/02
K45F5/02B K45F5/02G K45F5/02H
US: 242/378.3 242/378.300P



Family:

Publication number	Publication date	Application number	Application date
US2007051842 AA	20070308	US20050222212	20050908

Priority:

US20050222212 20050908

Probable Assignee: PRYOR ANNE M
Assignee(s): (std): PRYOR ANNE M
Inventor(s): (std): PRYOR ANNE M
Inventor(s): PRYOR ANNE
Agent(s): CURTIS D KINGHORN SIRIUS STRATEGIC LLC

29) Family number: 47547452 (US2010286791A)

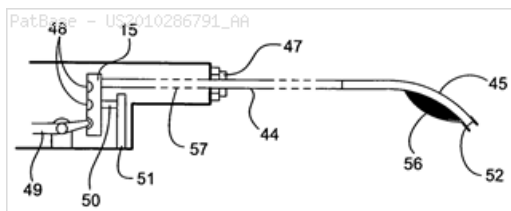
© PatBase

Title: INTEGRATED SYSTEM FOR THE BALLISTIC AND NONBALLISTIC INFIXION AND RETRIEVAL OF IMPLANTS

Abstract: Provided are methods and apparatus for the use of magnetic traction to maintain the patency of a tubular anatomical structure, whether a vessel, duct, the trachea, bronchus, bile duct, ureter, vas deferens, fallopian tube, or portions of the digestive tract, as to constitute means for extraluminal stenting. An extraluminal stent consists of a perimedial or medial intravascular and an extravascular component. The intravascular component consists of ferromagnetic spherules implanted aeroballistically or stays implanted by means of a special hand tool, while the extravascular component consists of a pliant jacket or mantle that has magnets mounted about its outer surface. A catheter adapted for use as the barrel of a gas-operated implant insertion gun is so devised that it can be used independently to perform an angioplasty and thereafter have its free or extracorporeal end inserted into the airgun to initiate implantation of the intravascular component without the need for withdrawal and reinsertion through the introducer sheath. When the implants must be spaced too closely together to be controlled by hand, a positional control system is used to effect discharge automatically. Spherules that consist entirely of medication or that have a radiation emitting seed as the core can be implanted with the same apparatus. A glossary of terms follows the specification.

Classifications:
International (IPC 8-9): A61B17/28 A61B17/50 A61B18/04
A61F13/00 A61F2/04 A61F2/82 A61F2/95 A61M25/00 A61M31/00
A61M36/12 A61M37/00 (Advanced/Invention)
CPC: A61F2/95 A61M37/00 A61B17/12022 A61B17/00491
A61B17/0057 A61B17/12118 A61B17/12181 A61B17/3468
A61B18/04 A61B18/18 A61B2017/00411 A61B2017/00544
A61B2017/0065 A61B2017/00876 A61B2017/1205 A61B2017/22001

A61B2017/00809 A61F2210/009 A61F2/82 A61F2/013
A61F2002/9528 A61B18/02 A61B18/1492 A61B2018/00023
A61B2018/00345 A61B2018/00517 A61B2018/00541
A61B2018/00595 A61B2018/00982 A61B2218/002 A61N2005/1011
A61B18/245 A61B2018/00005 A61B2018/00577 A61B2018/1861
A61N7/00
European: A61B17/12P A61B17/12P5B1S A61B17/12P7Z
K61B17/00N4 K61B17/00S14 K61B17/12P2 K61B17/22A K61B17/34J
K61B18/04 K61B18/18
US: 600/8 600/8S 602/43 602/43S 604/500 604/523 604/523S
604/524 604/524S 604/93.01 604/93.010S 606/205 606/205S 606/211 606/211S 606/27 606/27S 623/1.11 623/23.7
623/23.700P



Family:

Publication number	Publication date	Application number	Application date
US2010286791 AA	20101111	US20070986021	20071119
US2014163664 AA	20140612	US20130694835	20130109

Priority:

US20060860392P 20061121 US20070986021 20071119 US20130694835 20130109

Probable Assignee:

GOLDSMITH DAVID S

Assignee(s): (std):

GOLDSMITH DAVID S

Inventor(s): (std):

GOLDSMITH DAVID S

Agent(s):

DAVID S GOLDSMITH

30) Family number: 40799452 (US2007260305A)

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Title: GUIDE SHIELDS FOR MULTIPLE COMPONENT PROSTHETIC HEART VALVE ASSEMBLIES AND APPARATUS AND METHODS FOR USING THEM

Abstract: A heart valve assembly includes an annular prosthesis and a plurality of guide shields removably attached around a circumference of the annular prosthesis. A plurality of elongate guide rails extend from the annular prosthesis, which are releasably retained by the guide shields. During use, the annular prosthesis is directed into a biological annulus, e.g., with the guide rails retained by the guide shields, and secured to tissue surrounding the biological annulus using fasteners. The guide rails are released from the guide shields, and a valve prosthesis is advanced over the leaders and through a passage defined by the guide shields towards the annular prosthesis. The guide rails may include retentions elements that secure the valve prosthesis to the annular prosthesis. The guide shields are removed from the annular prosthesis, the guide rails are separated from the annular prosthesis, and are removed from the biological annulus.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/28

A61F2/24 (Advanced/Invention);

A61B17/00 A61B17/04 (Advanced/Non-invention);

A61B17/00 A61B17/28 A61F2/24 (Core/Invention)

CPC: A61F2220/005 A61F2220/0058 A61F2/2439 A61F2/2427

A61F2/2412 A61F2/2436 A61F2220/0008 A61F2220/0033

A61F2220/0075 A61F2220/0083 A61F2230/0006 A61F2250/0069

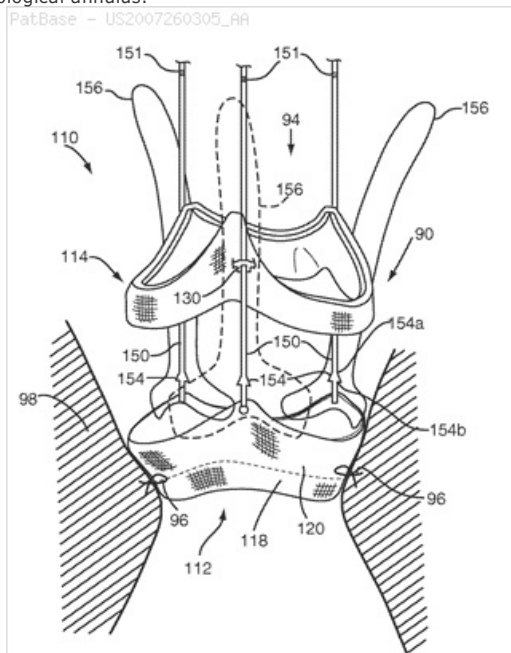
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A61F2/2418 A61F2/243 A61F2250/0063

European: A61F2/24C A61F2/24D6 A61F2/24H A61F2/24H2

A61F2/24H6 K61B17/00E1C K61B17/04E

US: 1/1 606/108 606/108S 623/2.1 623/2.100P 623/2.11 623/2.110P
623/2.110S 623/2.38 623/2.380S 623/2.4 623/2.400P 623/2.400S



Family:

Publication number	Publication date	Application number	Application date
DE602007044804 D1	20160324	DE200760044804T	20070429
EP2012712 A1	20090114	EP20070761539	20070429
EP2012712 B1	20160210	EP20070761539	20070429
EP2023860 A2	20090218	EP20070761540	20070429
JP2009535127 T2	20091001	JP20090508004T	20070429
JP2009535128 T2	20091001	JP20090508005T	20070429
JP5016667 B2	20120905	JP20090508004T	20070429
US2007260305 AA	20071108	US20070742390	20070430
US2007265701 AA	20071115	US20070742459	20070430
US2007288089 AA	20071213	US20070742481	20070430
US2008033543 AA	20080207	US20070742424	20070430
US2014336754 AA	20141113	US20140340900	20140725
US8821569 BB	20140902	US20070742481	20070430
US9295548 BB	20160329	US20070742390	20070430
WO07130880 A1	20071115	WO2007US67723	20070429

WO07130881 A2	20071115	WO2007US67724	20070429
WO07130881 A3	20080131	WO2007US67724	20070429

Priority:

US20060746038P 20060429 EP20070761539 20070429 WO2007US67723 20070429
WO2007US67724 20070429 US20070914742P 20070429 US20070742390 20070430
US20070742459 20070430 US20070742481 20070430 US20070742424 20070430
US20140340900 20140725

Probable Assignee: ARBOR SURGICAL TECHNOLOGIES INC

Assignee(s): (std): DREWS MICHAEL J ; FITTERER MIMI N ; FITTERER MIMI NGUYEN ; HONG JAMES ; INO TAKASHI HARRY ; GURSKIS DONNELL W ; INO TAKASHI H ; NGUYEN FITTERER MIMI ; MEDTRONIC INC ; ARBOR SURGICAL TECHNOLOGIES ; ARBOR SURGICAL TECHNOLOGIES IN

Assignee(s): ARBOR SURGICAL TECHNOLOGIES INC ; ARBOR SURGICAL TECHNOLOGIES LNC ; MEDTRONIC INC FRIDLEY

Inventor(s): (std): FITTERER MIMI NGUYEN ; HONG JAMES ; INO TAKASHI HARRY ; GURSKIS DONNELL W ; DREWS MICHAEL J ; INO TAKASHI H ; FITTERER MIMI N ; NGUYEN FITTERER MIMI

Inventor(s): INO TAKASHI ; GURSKIS DONNELL ; GURSKIS DONNELL W BELMONT ; FITTERER MIMI NGUYEN REDWOOD CITY ; HONG JAMES PALO ALTO ; INO TAKASHI HARRY SAN JOSE ; DREWS MICHAEL J PALO ALTO ; FITTERER MIMI ; DREWS MICHAEL

Agent(s): ZIMMERMANN AND PARTNER PATENTANWALTE MBB; MCLEISH NICHOLAS ALISTAIR MAXWELL; ZIMMERMANN AND PARTNER PATENTANWALTE MBB; VISTA IP LAW GROUP LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

31) Family number: 68631467 (US2018049939A)

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Title: PERCUSSION THERAPY APPARATUS AND METHODS THEREOF

Abstract: Devices, systems, and methods for percussion therapy of a patient's torso area provide percussive force to release and/or dislodge mucous from respiratory airways of a human patient. Such devices, systems, and methods may include a torso covering for securing to a patient's torso, percussive devices coupled to the torso covering, and an attachment assembly for supporting the torso covering. The percussive devices may include a percussion frame, an electromechanically actuated percussor for controlled movement between end positions, and resilient members attached to opposite ends of the percussion frame for assisting controlled movement of the percussor. The devices, systems, and methods disclosed herein provide efficient and comfortable high-frequency percussive force to a patient's torso, reducing stress on the patient and improving patient experience.

Classifications:

International (IPC 8-9): A61H23/02 A61H7/00

A61H9/00 (Advanced/Invention);

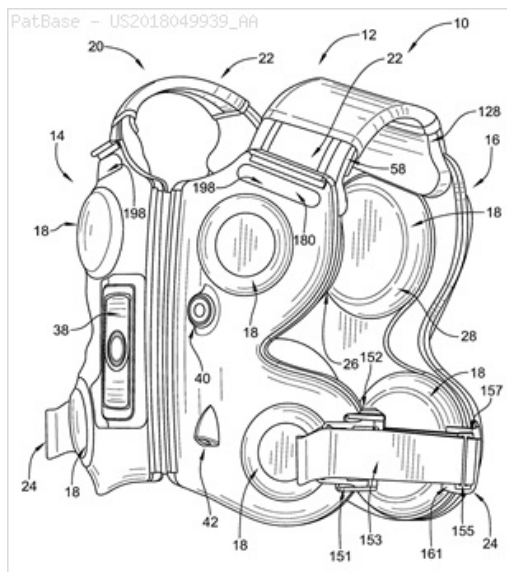
A61H23/00 (Advanced/Non-invention)

CPC: A61H23/006 A61H23/0218 A61H2023/002 A61H2201/123

A61H2201/165 A61H2201/1664 A61H7/004 A61H9/005

A61H2201/0134

US: 1/1 601/107



Family:

Publication number	Publication date	Application number	Application date
EP3295915 A2	20180321	EP20170187129	20170821
EP3295915 A3	20180620	EP20170187129	20170821
US2018049939 AA	20180222	US20170672346	20170809

Priority:

US20160377984P 20160822 US20160435919P 20161219 US20170478864P 20170330
US20170672346 20170809

Probable Assignee: HILL ROM SERVICES PTE LTD

Assignee(s): (std): HILL ROM SERVICES PTE LTD

Inventor(s): (std): RUTGERS PETRUS ; ROSSINI MARY JANE ; VENKATARAYA SURESHA ; ADLER ARI T ; CHNG BRYAN ; ONG KOK BOON R ; PROULX TIMOTHY R ; MANN NICHOLAS ; JOSHI VINAY ; SPIJKSMA SYTZE A ; STEWART WILLIAM C ; VAN DEN OEVER PETRUS J ; CABRAL HAROLD M ; ROSSINI MARY J ; ROBINSON JASON ; SIN DENIS ; BARILEA DENY D ; PIRIO CLEMENTINE ; TAN WEI T ; TJEPKEMA DIRK ; RUTGERS PETRUS T ; VENTAKARAYA SURESHA ; BOBEY JOHN A ; BOERST CHAD M ; STAUDT ALEX

Agent(s): FINDLAY ALICE ROSEMARY

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES

Abstract: Improvements in fluid volume measurement systems are disclosed for a pneumatically actuated diaphragm pump in general, and a peritoneal dialysis cyclor using a pump cassette in particular. Pump fluid volume measurements are based on pressure measurements in a pump control chamber and a reference chamber in a two-chamber model, with different sections of the apparatus being modeled using a combination of adiabatic, isothermal and polytropic processes. Real time or instantaneous fluid flow measurements in a pump chamber of a diaphragm pump are also disclosed, in this case using a one-chamber ideal gas model and using a high speed processor to obtain and process pump control chamber pressures during fluid flow into or out of the pump chamber. Improved heater control circuitry is also disclosed, to provide added or redundant safety measures, or to reduce current leakage from a heater element during pulse width modulation control of the heater. Improvements are also disclosed in the application of negative pressure during a drain phase in peritoneal dialysis therapy, and to control the amount of intraperitoneal fluid accumulation during a therapy. Improvements in efficiency are also disclosed in the movement of fluid into and out of a two-pump cassette and heater bag of a peritoneal dialysis cyclor, and in the synchronization of the operation of two or more pumps in a peritoneal dialysis cyclor or other fluid handling devices using a multi-pump arrangement.

Classifications:

International (IPC 8-9): A61M39/22 (Advanced/Invention)

CPC: A61M39/22 A61M2205/3331 A61M2205/3379 A61M1/1006

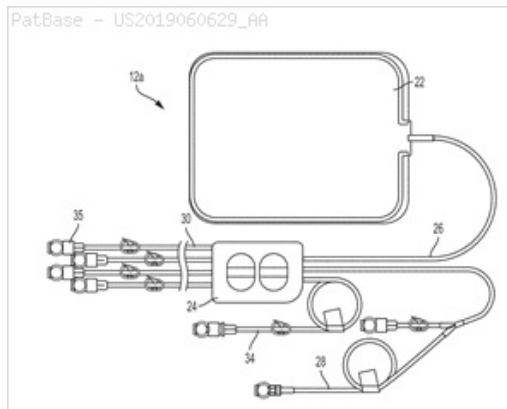
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A61M1/1087 A61M1/1096 A61M1/166 A61M1/28 A61M1/282

A61M1/288 A61M2205/12 A61M2205/3334 A61M2205/3396

A61M2205/6063

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019060629 AA	20190228	US20180112287	20180824

Priority:

US20140008342P	20140605	US20150155937P	20150501	US20150159737P	20150511
US20150732571	20150605	US20180112287	20180824		

Probable Assignee: DEKA PRODUCTS LP

Assignee(s): (std): DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): NORRIS MICHAEL G ; SCARPACI JACOB W ; BRYANT JR ROBERT J ; SPENCER GEOFFREY P ; HIBBARD DAVID J ; DALE JAMES D ; KERWIN JOHN M ; COLL ANDREW S ; BEAVERS DAVID A ; MCGILL DAVID W ; HELMORE SIMON C ; DOHERTY DAVID B ; BOLTON EDGAR J ; YOO JINSUN ; GIROUARD PAUL G ; KAROL DANIEL S ; SINGER DANIEL B ; RUSHLOW JOSEPH P

Title: THERAPEUTIC COMPRESSION BELT

Abstract: A therapeutic compression belt for alleviating menstrual cramps. In one embodiment the therapeutic compression belt includes a belt, a belt buckle, a left pad and a right pad, and a means to swivel the left pad and a means to swivel the right pad.

Classifications:

International (IPC 8-9): A61F5/01 A61F5/02 A61F5/24 A61F5/28

A61F5/30 A61F7/08 A61H11/00 A61H19/00 A61H23/00 A61H39/04

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A61F5/01 A61F5/02 A61M37/00 (Core/Invention)

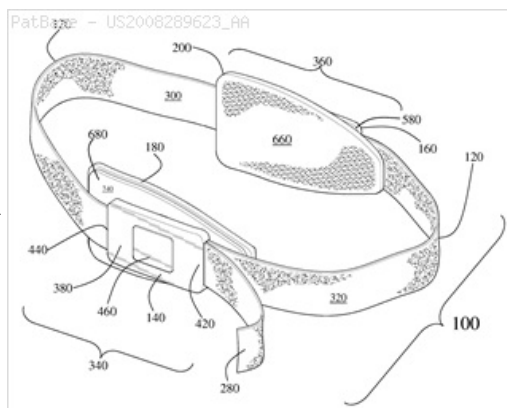
CPC: A61F7/02 A61F2007/0023 A61F2007/0096 A61F2007/023

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European: A61F5/01F A61F5/30 A61F7/02 K61F5/01D10H

K61F7/00A3F K61F7/00T1 K61F7/02G2P

US: 1/1 128/102.1 128/106.1 128/106.100P 128/106.100S 128/109.1 128/109.100S 128/112.1 128/112.100S 128/115.1 128/121.1 128/121.100S 128/96.1 128/96.100P 128/99.1 601/46 601/46S 606/202 606/204 607/112 607/112P



Family:

Publication number	Publication date	Application number	Application date
AU2010356325 AA	20120105	AU20100356325	20100629
AU2010356325 BB	20140515	AU20100356325	20100629
CA2804198 AA	20121228	CA20102804198	20100629
CA2804198 C	20170328	CA20102804198	20100629

CN103096861 A	20130508	CN201080067796	20100629
CN103096861 B	20151216	CN201080067796	20100629
US2008289623 AA	20081127	US20070753562	20070524
US2009173340 AA	20090709	US20090404655	20090316
US2011015708 AA	20110120	US20100824789	20100628
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US2012232579 AA	20120913	US20120416442	20120309
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US8191550 BB	20120605	US20100824789	20100628
US9107753 BB	20150818	US20120416442	20120309
US10149780 BB	20181211	US20100898996	20101006
WO08147778 A1	20081204	WO2008US64267	20080520
WO12002929 A1	20120105	WO2010US40280	20100629

Priority:

US20070753562 20070524 US20090404655 20090316 US20100824789 20100628
WO2010US40280 20100629 US20100898996 20101006 US20120416442 20120309

Probable Assignee: ZIIVAA IP LLC

Assignee(s): (std): AKHAVEIN GLENN ; BRADY ROBERT ; DANIEL DUGAS ; DUGAS DANIEL ; EMBRACE LLC ; LEE STEPHEN D ; GLENN AKHAVEIN ; ROBERT BRADY ; ZIIVAA IP LLC

Inventor(s): (std): LEE STEPHEN D ; GLENN AKHAVEIN ; ROBERT BRADY ; DANIEL DUGAS ; DUGAS DANIEL ; AKHAVEIN GLENN ; BRADY ROBERT

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MACRAE AND CO; WOOD AND EISENBERG PLLC; HERBERT L ALLEN ALLEN DYER DOPPELT MILBRATH AND GILCHRIST PA; ALLEN DYER DOPPELT MILBRATH AND GILCHRIST PA; ALLEN DYER DOPPELT MILBRATH AND GILCHRIST; ALLEN DYER DOPPELT AND GILCHRIST; WOOD CHRISTOPHER D; NAPOLITANO CARL M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

34) Family number: 62964519 (US2019118205A)

© PatBase

Title: PUMP DISPENSER AND CONTAINERS

Abstract: A pump dispenser comprising a container having a neck (6) to which the pump is attached. A pump body (1) has an outward flange (91) through which it is supported on the edge of the container neck (6). A body/neck rotation stop mechanism (64,7) is provided by an interlock engagement between the pump body and the container neck, and has widely-spaced interlock projections (64) on the container neck (6), e.g. one or two projections, each having a circumferentially-directed abutment face (642). A series of spaced interlock teeth (71) projects down from the outward flange (91) of the pump body and these have respective abutment faces (711) to engage the neck projections and limit relative rotation of the pump body and neck. This can assure reliable action of a plunger-locking mechanism of the dispenser.

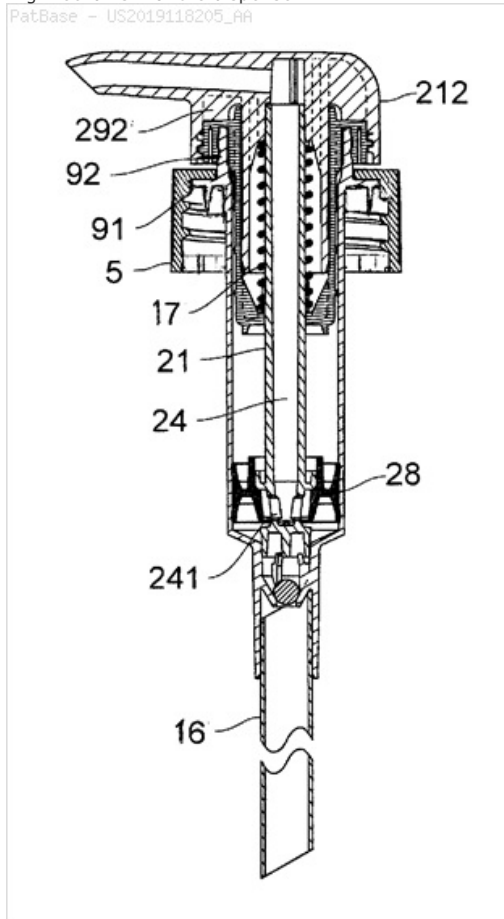
Classifications:

International (IPC 8-9): B05B11/00 B05B11/02 (Advanced/Invention)

CPC: B05B11/3001 B05B11/3047 B05B11/306 B05B11/3067 B05B11/3074

US: 1/1

PatBase - US2019118205_AA



Family:

Publication number	Publication date	Application number	Application date
CN109475888 A	20190315	CN201780043864	20170515
EP3458200 A1	20190327	EP20170726565	20170515
GB201608596 A0	20160629	GB20160008596	20160516
GB201707749 A0	20170628	GB20170007749	20170515
GB2552870 A1	20180214	GB20170007749	20170515
US2019118205 AA	20190425	US20170301649	20170515
WO17198616 A1	20171123	WO2017EP61611	20170515

Priority:

GB20160008596 20160516 WO2017EP61611 20170515

Probable Assignee: RIEKE PACKAGING SYSTEMS LTD

Assignee(s): (std): RIEKE PACKAGING SYSTEMS LTD

Inventor(s): (std): KNIGHT SIMON CHRISTOPHER ; SIMON CHRISTOPHER KNIGHT

Agent(s): MEWBURN ELLIS LLP; STONER PATRICK ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

35) Family number: 65552535 (WO17072437A1)

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Title: FALL-PREVENTION DEVICE WITH AUTOMATIC RETURN

Abstract: The invention concerns a fall-prevention device (1) with automatic return, comprising: - a casing (2), - a drum winder mounted rotating relative to said casing (2), - a tether (3) intended to be wound around said drum and comprising a free portion (32) that extends out of said casing (2), - an automatic return means that exerts a return force tending to rotate the winder in a winding direction (E), - an automatic blocking means designed to block the winder in case of a fall, said device (1) comprising a retaining means designed to automatically inhibit or limit the operation of said automatic return means such that, when said pulling force stops, the length of said free portion (32) is kept substantially close to, or identical to, said desired length. Fall-prevention devices with automatic return.

Classifications:

International (IPC 8-9): A62B1/10 A62B35/00

A63B29/00 (Advanced/Invention)

CPC: A62B1/10 A62B35/0093

PatBase - WO17072437_A1

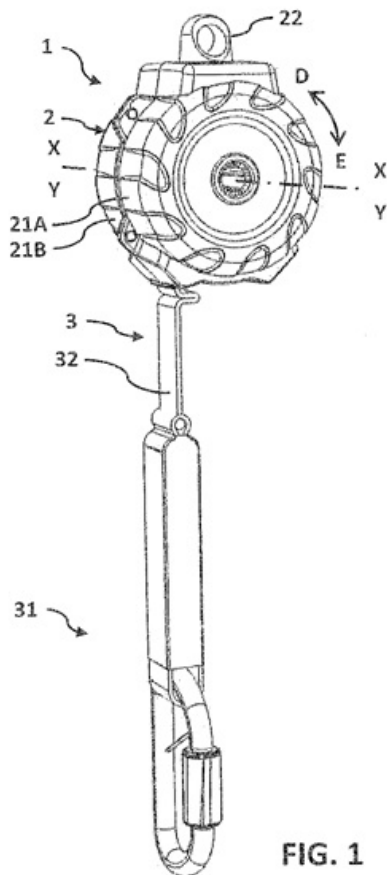


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
FR3042718 A1	20170428	FR20150060212	20151026
FR3042718 B1	20171201	FR20150060212	20151026
WO17072437 A1	20170504	WO2016FR52768	20161025

Priority:

FR20150060212 20151026

Probable Assignee: VERTIC

Assignee(s): (std): VERTIC

Inventor(s): (std): ARGOUT RODOLPHE JEAN MARC

Inventor(s): RODOLPHE JEAN MARC ARGOUT

Agent(s): CABINET DIDIER MARTIN; CABINET BEAU DE LOMENIE; WEBER JEAN FRANCOIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

36) Family number: 72874544 (US2016101227A)

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Title: MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES

Abstract: Improvements in fluid volume measurement systems are disclosed for a pneumatically actuated diaphragm pump in general, and a peritoneal dialysis cycler using a pump cassette in particular. Pump fluid volume measurements are based on pressure measurements in a pump control chamber and a reference chamber in a two-chamber model, with different sections of the apparatus being modeled using a combination of adiabatic, isothermal and polytropic processes. Real time or instantaneous fluid flow measurements in a pump chamber of a diaphragm pump are also disclosed, in this case using a one-chamber ideal gas model and using a high speed processor to obtain and process pump control chamber pressures during fluid flow into or out of the pump chamber. Improved heater control circuitry is also disclosed, to provide added or redundant safety measures, or to reduce current leakage from a heater element during pulse width modulation control of the heater. Improvements are also disclosed in the application of negative pressure during a drain phase in peritoneal dialysis therapy, and to control the amount of intraperitoneal fluid accumulation during a therapy. Improvements in efficiency are also disclosed in the movement of fluid into and out of a two-pump cassette and heater bag of a peritoneal dialysis cycler, and in the synchronization of the operation of two or more pumps in a peritoneal dialysis cycler or other fluid handling devices using a multi-pump arrangement.

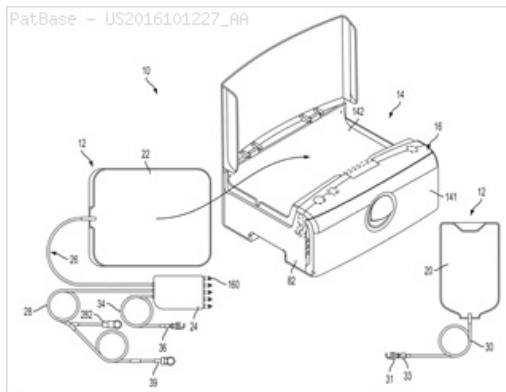
Classifications:

International (IPC 8-9): A61M1/16 A61M1/28 A61M1/36 G01V8/20 (Advanced/Invention)

CPC: A61M1/166 A61M1/28 A61M1/282 A61M1/288 A61M1/3656 A61M2205/12 A61M2205/13 A61M2205/14 A61M2205/3306 A61M2205/3331 A61M2205/3379 A61M2205/502 G01V8/20

US: 604/29

PatBase - US2016101227_AA



Family:

Publication number	Publication date	Application number	Application date
US2016101227 AA	20160414	US20150732564	20150605
US10201647 BB	20190212	US20150732564	20150605

Priority:

US20080011967P 20080123	US20080058469P 20080603	WO2009US00440 20090123
WO2009US00436 20090123	WO2009US00439 20090123	WO2009US00437 20090123
WO2009US00433 20090123	WO2009US00441 20090123	US20100362259P 20100707
US20100864391 20101203	US20100864293 20101209	US20100864378 20101209
US20100864357 20101213	US20100864287 20101217	US20100864322 20101220
US20110178191 20110707	US20110555926P 20111104	US20120667696 20121102
US20140008342P 20140605	US20150155937P 20150501	US20150159737P 20150511
US20150732564 20150605		

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Inventor(s): BRYANT JR

Agent(s): WOLF GREENFIELD AND SACKS PC

37) Family number: 2760546 (US4785963A)

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Title: TAMPER-EVIDENT BUTTRESS PLUG CLOSURE

Abstract: A tamper-evident buttress plug for sealing closed a plastic 55-gallon drum includes a plug body which is externally threaded and compatible with the internally threaded container outlet, a ratchet ring which includes a circumferentially distributed series of ratchet teeth on its inner surface and a series of four frangible elements which initially integrally join the ratchet ring to the plug body. The container outlet has neck which is configured with two spaced series of ratchet teeth which are of a size and configuration so as to be mutually engageable with the ratchet teeth on the closure ring. As the closure is threadably advanced into the outlet, threaded engagement is first achieved and then ratchet engagement. When it is time for the closure to be removed from the container, the frangible elements must be severed so as to separate the ring and the

plug body. In view of the fact that the 55-gallon plastic drum is blow-molded by split-block technique, it is necessary for the two series of ratchet teeth on the container outlet to be less than 180 degrees in their circumferential extent thus leaving spaces between the series. In order to prevent compression of the ring by squeezing inwardly at the location of these two spaces, semi-circular raised protuberances are provided in order to prevent ovalizing and an ability to disengage the ratchet teeth.

Classifications:

International (IPC 8-9): B65D39/08 B65D55/02 (Advanced/Invention); B65D39/00 B65D55/02 (Core/Invention)

International (IPC 1-7): B65D39/08 B65D41/34 B65D55/02 B65D55/12

CPC: B65D39/088 B65D55/022

European: B65D39/08A3 B65D55/02D

US: 215/252 220/266 220/284

PatBase - US4785963_A

U.S. Patent Nov. 22, 1988 Sheet 1 of 2 4,785,963

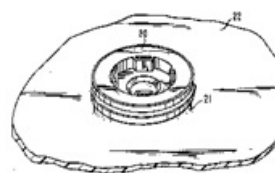


Fig. 1

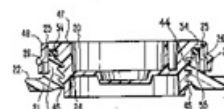


Fig. 2

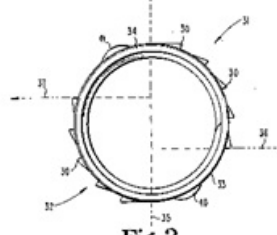


Fig. 3

Family:

Publication number	Publication date	Application number	Application date
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AU198820270 A1	19890713	AU19880020270	19880801
AU600846 B2	19900823	AU19880020270	19880801
BRPI8804224 A	19900410	BR1988PI04224	19880819
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JP1182264 A2	19890720	JP19880213492	19880827
MX166314 B	19921229	MX19880012843	19880826
US4785963 A	19881122	US19880142510	19880111
ZA8805848 A	19890426	ZA19880005848	19880809

Priority:

US19880142510 19880111 EP19880201659 19880801 CA19880576136 19880831

Probable Assignee: RIEKE A CORP OF IN CORP

Assignee(s): (std): RIEKE CORP

Assignee(s): RIIKU CORP ; RIEKE CORP AUBURN IND US ; RIEKE A CORP OF IN CORP ; METALDYNE F K A MASCOTECH INC CORP ; CHASE MANHATTAN BANK AS COLLATERAL AGENT ; CHASE MANHATTAN BANK COLLATERAL AGENT AS ; MAGLEY ROBERT E ; MASCOTECH INC ; METALDYNE CORP

Inventor(s): (std): MAGLEY ROBERT E ; MAGLEY ROBERTO E ; ROBAATO II MAGUREI ; ROBERT E MAGLEY

Inventor(s): MAGLEY ROBERT E AUBURN INDIANA 46706 US ; ROBERTO E MAGLEY

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR

Designated states: AT BE CH DE ES FR GB IT LI LU NL SE

38) Family number: 41819582 (US2008115414A)

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Title: ADJUSTABLE HEIGHT PLANTER WITH AN OPTIONAL WATERFALL, AND/OR AN ADJUSTABLE IRRIGATION SYSTEM FOR CONTROLLABLY WATERING THE PLANTER AND SURROUNDING TERRAIN

Abstract: A planter system includes an adjustable height and angular orientation planter and an optionally adjustable irrigation system for controllably supplying water to the planter and/or surrounding terrain. The planter is configured to controllably travel up and down a vertical support, such as a section of a planter pole or other suitable vertical support structure, from a highest to a lowest position using a pulley and winch, block and tackle, rotating shaft, continuous pulley driven belt, continuous sprocket driven chain, lead screw, ball screw, a ballast, hydraulics, pneumatics, spring or other lifting subsystem. The irrigation system may be configured to supply water to the planter and or to the surrounding terrain. The planter is carried along the pole, allowing it to be controllably rotated at any height along the travel.

Classifications:

International (IPC 8-9): A01G25/00 A01G25/02 A01G27/06 A01G9/02 A01G9/12 A01K1/00 A01K5/00 A47G7/02 A47G7/04 B66D1/00 B66F13/00 F16M11/18 G09F17/00 (Advanced/Invention); A01G25/00 A01G25/02 A01G27/00 A01G9/02 A01G9/12 A47G7/00

B66D1/00 B66F13/00 (Core/Invention)

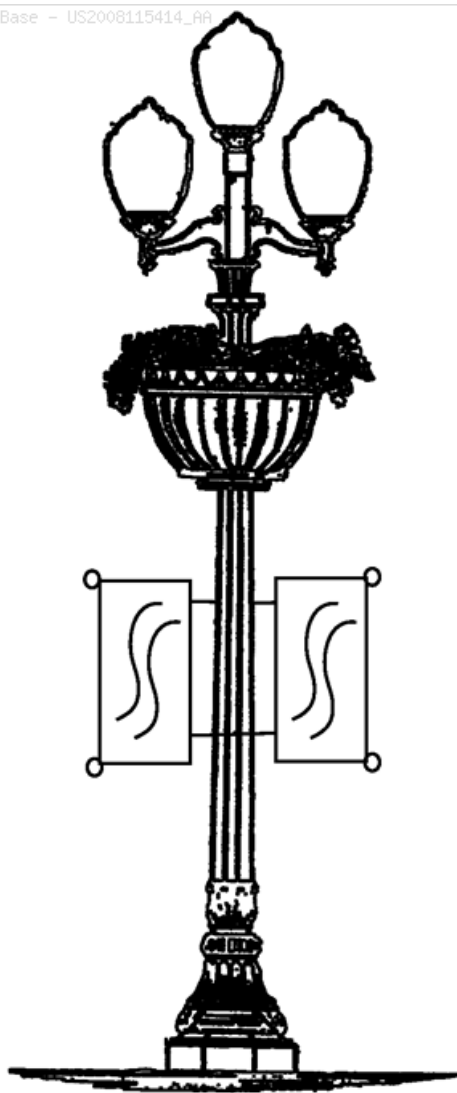
CPC: A01G9/023 F16M11/18 A01K1/00 A01K5/00 A01G9/022

A01G27/003 A47G7/041 A47G7/044 F21V21/38

European: A01G27/00D A01G9/02C A47G7/04B A47G7/04D

US: 119/416 119/428 119/51.01 119/51.5 248/157 248/158 254/1
254/1S 254/266 254/266P 40/606.14 416/146R 47/39 47/48.5
47/48.500S 47/65.5 47/65.500S 47/66.6 47/66.600P 47/66.7 47/666
47/67 47/79 47/79S 47/82 47/82S 47/83 47/86 47/86S

PatBase - US2008115414_AA



Family:

Publication number	Publication date	Application number	Application date
CA2669411 AA	20090512	CA20072669411	20071120
MX2009005430 A1	20091013	MX20090005430	20071120
US2008115414 AA	20080522	US20070868534	20071008
US2009090051 AA	20090409	US20080026553	20080205
US2009090895 AA	20090409	US20080164075	20080629
US2012047801 AA	20120301	US20110036962	20110228
US2014318007 AA	20141030	US20140274653	20140509
US7770324 BB	20100810	US20070868534	20071008
US8136296 BB	20120320	US20080026553	20080205
US8375632 BB	20130219	US20110036962	20110228
US8720836 BB	20140513	US20080164075	20080629
US9732899 BB	20170815	US20140274653	20140509
WO08064204 A2	20080529	WO2007US85197	20071120
WO08064204 A3	20081120	WO2007US85197	20071120
WO09099977 A1	20090813	WO2009US32781	20090201
WO10008927 A1	20100121	WO2009US49123	20090629

Priority:

US20060867108P 20061122 US20070868534 20071007 US20070868534 20071008
WO2007US85197 20071120 US20080026553 20080205 US20080164075 20080629
US20110036962 20110228 US20140274653 20140509

Probable Assignee: HOGAN JAMES

Assignee(s): (std): HOGAN JAMES ; HOGAN JR JAMES

Assignee(s): JAMES HOGAN

Inventor(s): (std): HOGAN JAMES ; HOGAN JR JAMES

Inventor(s): JAMES HOGAN

Agent(s): FINLAYSON AND SINGLEHURST; MARK YOUNG PA; MARK; YOUNG MARK

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: HIGH DENSITY SEQUENCE DETECTION METHODS AND APPARATUS

Abstract: Methods for amplifying polynucleotides, e.g., by PCR, in a sample comprising polynucleotide targets present at very low concentration, comprising: (a) applying amplification reactants to the surface of a substrate comprising reaction spots, wherein the reactants comprise the sample and an amplification reagent; (b) forming a sealed reaction chamber, having a volume less than about 120 nanoliters, preferably less than about 20 nanoliters, over each of said reaction spots; and (c) thermal cycling the substrate and reactants. In one embodiment, the forming step comprises loading a sealing fluid, e.g., mineral oil, on the surface so as to cover the reaction spots. The present invention also provides microplates, comprising: (a) a substrate having at least about 10,000 reaction spots, each comprising a primer and a droplet of reagent having a volume less than about 120 nanoliters, preferably less than about 20 nanoliters; and (b) a sealing liquid isolating each of the spots.

Classifications:

International (IPC 8-9): B01J19/00 B01L11/00 B01L3/00 B01L3/02 B01L7/00 B01L9/00 B29C65/00 B29C65/02 B29C65/10 B32B1/08 B32B33/00 B32B37/00 B32B37/02 B65B3/04 B67C3/00 B81B1/00 C07H21/00 C12M1/00 C12M1/14 C12M1/22 C12M1/32 C12M1/34 C12M1/36 C12M1/38 C12M1/42 C12M3/00 C12N15/09 C12N15/10 C12P19/34 C12Q1/68 C40B30/00 C40B30/04 C40B30/10 C40B40/06 C40B60/12 G01J11/10 G01J11/42 G01J3/02 G01N1/10 G01N1/14 G01N15/06 G01N21/00 G01N21/03 G01N21/25 G01N21/63 G01N21/64 G01N31/00 G01N33/00 G01N33/48 G01N33/50 G01N33/68 G01N35/00 G01N35/02 G01N35/04 G01N37/00 G02B7/02 G06F15/16 G06F17/50 G06F19/00 G06F19/20 G06Q10/00 H01L27/146 H01L27/148 H04N5/217 H04N5/225 H04N5/357 H04N5/361 H04N5/367 H04N5/372 (Advanced/Invention); B01L3/02 B01L7/00 B01L9/00 B01L99/00 C12Q1/68 G01N21/27 G01N35/00 G01N35/04 G01N35/10 (Advanced/Non-invention); B01L3/00 B01L3/02 B29C65/00 B29C65/02 B29C65/10 B32B1/00 B32B33/00 B32B37/00 B32B37/02 B67C3/00 C12M1/00 C12M1/14 C12M1/26 C12M1/34 C12M1/36 C12M3/00 C12N15/09 C12P19/00 C12Q1/68 C40B30/10 G01J3/00 G01N15/06 G01N21/00 G01N21/25 G01N21/63 G01N21/64 G01N35/00 G01N37/00 G06F15/16 G06F17/50 H01L27/148 H04N5/217 (Core/Invention); B01L7/00 (Core/Non-invention); B01L C12N G01N G06F (Subclass/Invention)

International (IPC 1-7): B01L3/00 C12M1/34 C12P19/34 C12Q1/68 G01N1/10 G01N21/03 G01N21/25 G01N33/00 G01N33/48 G01N33/50 G01N35/00 G06F17/50 G06F19/00

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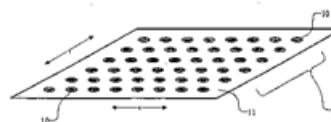
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Figure 1



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Inventor(s): LEHTO DENNIS ; OLDHAM MARK LOS GATOS ; TOMANEY AUSTIN SAN FRANCISCO ; KAO H ; JONES ROBERT ; FAWCETT ADRIAN PLEASANTON ; LU MIKE Y SAN JOSE ; CARRILLO ALBERT L REDWOOD CITY ; OLDHAM MARK F LOS GATOS ; HARDING IAN A SAN MATEO ; FOCARACCI JULIO ; MACK JEROME ; YAN TONY ; BEARD NIGEL ; REED MARK ; LAIRD HYLAND FIONA ; STEVENS JUNKO ; K LAU ALDRICH ; GUNSTREAM STEPHEN ; KINNEY PATRICK ; PRATT MARK ; HAYASHIBARA KATHLEEN

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

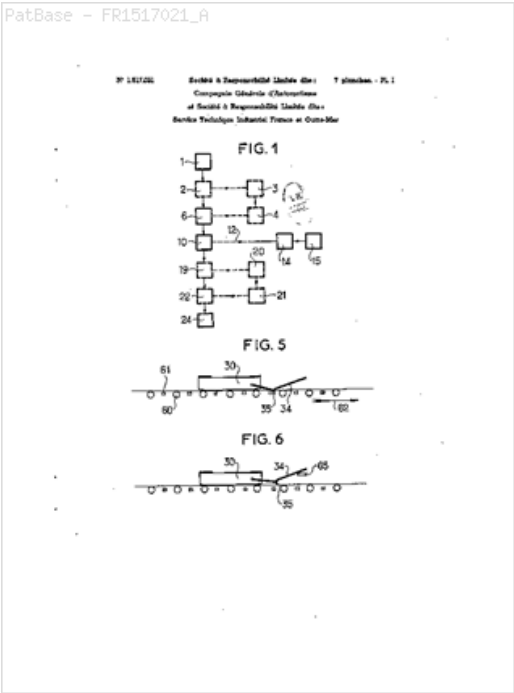
40) Family number: 21413605 (FR1517021A) © PatBase

Title: INSTALLATION DE REMPLISSAGE AUTOMATIQUE DE BOUTEILLES DE GAZ LIQUEFIE INSTALLATION FILLING BOTTLES AUTOMATIC GAS LIQUEFIED (Machine translation)

Abstract: Source: FR1517021A [FR] (Claim 1) 1. La prise de la bouteille sur un convoyeur et sa depose sur un plateau;

Machine translation: (Claim 1) 1. Taking the bottle on a conveyor and deposited on a plate;

Classifications:
International (IPC 8-9): F17C5/00 (Advanced/Invention); F17C5/00 (Core/Invention)
International (IPC 1-7): A23L1/216 F17C5/00
CPC: F17C2205/05 F17C2223/0153 F17C2250/032 F17C2250/0421 F17C2250/0615 F17C5/005 F17C2227/04 F17C2270/059
European: F17C5/00D2



Family:

Publication number	Publication date	Application number	Application date
FR1517021 A	19680205	FR19670093278	19670131

Priority:

Probable Assignee: SERVICE TECH IND FRANCE ET OUT**Assignee(s):** (std): AUTOMATISME CIE GLE ; SERVICE TECH IND FRANCE ET OUT**Assignee(s):** SERVICE TECHNIQUE INDUSTRIEL FRANCE ET OUTREMER ; SERVICE TECHNIQUE IND FRANCE ET OUTREMER ; COMPAGNIE GENERALE D AUTOMATISME ; GENERALE D AUTOMATISME COMP**Inventor(s):** (std): LABIE RENE ; JUILLET JACQUES ; HURABIELLE JEAN ; DOYE ANDRE**41) Family number: 22873612** (US2881762A)

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Title: SURGICAL STAPLE AND STAPLER

Abstract: (Claim 1) 1. A surgical clip, comprising a substantially arcuately formed and deformable unitary body including spaced, opposed interlocking end portions, at least one of said end portions being pointed and adapted to penetrate, wherein a first end portion substantially affords a detention groove ratchet section and the other and second end portion affords a pawl-toothed, tongue section, said tongue section being insertable in said groove section to be retained therein against radial, and arcuately - reversible displacement.

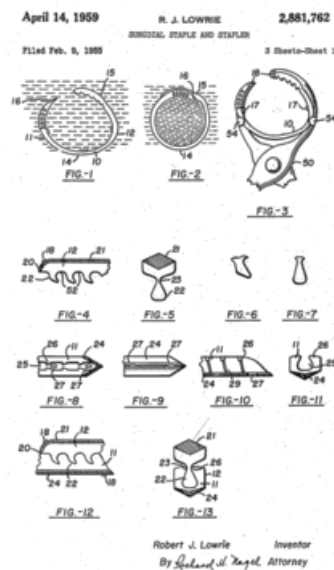
Classifications:**International (IPC 8-9):** A61B17/064

A61B17/068 (Advanced/Invention);

A61B17/064 A61B17/068 (Core/Invention)

International (IPC 1-7): A61B17/12**CPC:** A61B17/064 A61B17/068 Y10T24/1482 Y10T29/5136**European:** A61B17/064 A61B17/068**US:** 24/20TT 29/564 606/142 606/157 72/409.01 D8/48 D8/49

PatBase - US2881762_A

**Family:**

Publication number	Publication date	Application number	Application date
US2881762 A	19590414	US19550487011	19550209

Priority:

US19550487011 19550209

Probable Assignee: LOWRIE ROBERT J**Assignee(s):** (std): LOWRIE ROBERT J**Inventor(s):** (std): LOWRIE ROBERT J**42) Family number: 13251621** (GB2294385A)

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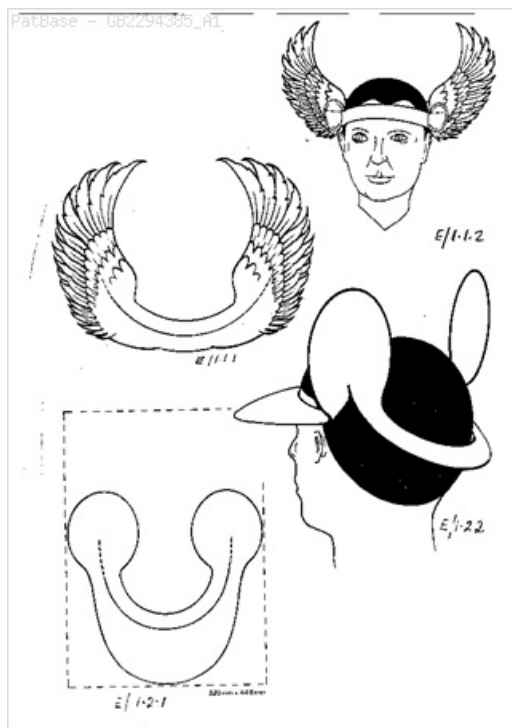
Title: Items of adornment and display

Abstract: The items are adapted to be placed around cylindrical artefacts such as drinks cans and similarly configured artefacts and non cylindrical artefacts of similar dimensions such as dolls and figurines. The items bear a resemblance to headwear and are made from flexible material in which a split is formed to accommodate the artefact. The split can be curved or partially curved in a convex or a concave form. It can be associated with a parallel second split and/or upward or downward extensions. Numerous modifications and additional features are disclosed.

Classifications:**International (IPC 8-9):** A41G7/00 A42B1/20 A42B1/22 B31D5/00

G09F21/02 (Advanced/Invention)

International (IPC 1-7): A42B1/00 A63H3/08 G09F3/04**CPC:** A41G7/00 A42B1/004 A42B1/208 B31D5/00 G09F21/02**European:** A41G7/00 A42B1/00C A42B1/20F B31D5/00 G09F21/02



Family:

Publication number	Publication date	Application number	Application date
GB2294385 A1	19960501	GB19940021886	19941031
GB2294385 B2	19990106	GB19940021886	19941031
GB9421886 A0	19941221	GB19940021886	19941031

Priority:

GB19940021886 19941031

Probable Assignee: SAMUELSON NEVILLE A W

Assignee(s): (std): SAMUELSON NEVILLE A W ; SAMUELSON NEVILLE ANTHONY WYLI

Assignee(s): NEVILLE ANTHONY WYLIE SAMUELSON

Inventor(s): (std): SAMUELSON NEVILLE ANTHONY WYLI

Inventor(s): NEVILLE ANTHONY WYLIE SAMUELSON

43) Family number: 54355659 (US2013190815A)

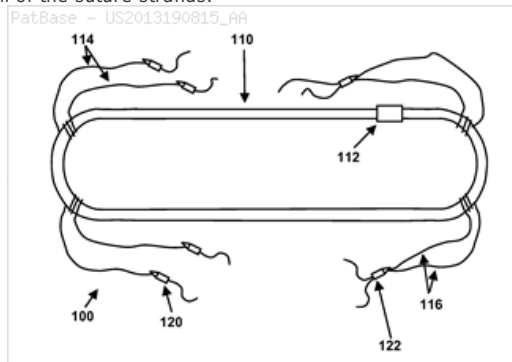
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Title: ADJUSTABLE RACHETING SUTURE ANCHORS

Abstract: Knotless suture anchors are disclosed for surgical use, which contain one or more types of ratcheting mechanisms that will allow a surgeon to pull a suture strand through an anchor device in one direction, without allowing the suture strand to travel or creep backward, in the other direction. This will allow a surgeon to emplace a number of such anchors in hard bone(s) or soft tissue(s), during installation of an implant device, while the various suture strands remain loose and do not interfere with proper positioning of the implant. When the implant device is roughly in position, the surgeon can gently "snug" all of the suture strands (which preferably should be braided, to provide a non-smooth surface that will enable a stronger and more secure grip by the ratcheting mechanism), so that they will all reach a moderate plateau of gentle yet firm tension. After the surgeon has ensured that the implant is in proper position, with all of the anchoring sutures in a "snug" status, a series of final tightening and tensioning steps can be carried out on all of the suture strands.

Classifications:

International (IPC 8-9): A61B17/04 A61B17/06 A61B17/56 A61B17/84 A61B17/88 A61F2/08 A61F2/30 A61F2/38 A61F2/46 (Advanced/Invention); A61F2/28 A61F2/32 A61F2/40 A61F2/46 (Advanced/Non-invention) **CPC:** A61F2002/302 A61F2002/30495 A61F2/30756 A61F2/30767 A61F2/3094 A61F2/30965 A61F2/32 A61F2/38 A61F2/3859 A61F2/3872 A61F2/389 A61F2/40 A61F2/4637 A61F2002/2821 A61F2002/30113 A61F2002/30115 A61F2002/30225 A61F2002/30299 A61F2002/30354 A61F2002/30459 A61F2002/30461 A61F2002/305 A61F2002/30604 A61F2002/30738 A61F2002/3085 A61F2002/30878 A61F2002/30892 A61F2002/4635 A61F2210/0019 A61F2220/0025 A61F2220/0033 A61F2220/0066 A61F2220/0075 A61F2230/0006 A61F2230/0008 A61F2230/0065 A61F2230/0069 A61F2230/0093 A61F2220/0016 A61F2002/30757 **US:** 1/1 606/224 606/225 606/226 606/232 623/14.12



Family:

Publication number	Publication date	Application number	Application date
AU2013200276 AA	20130808	AU20130200276	20130118
CA2783915 AA	20130720	CA20122783915	20120725
CA2803206 AA	20130720	CA20132803206	20130121
CN103222903 A	20130731	CN201310011420	20130114
CN103222903 B	20160706	CN201310011420	20130114
DE602013001204 D1	20150430	DE201360001204T	20130114

EP2617391 A2	20130724	EP20130151111	20130114
EP2617391 A3	20130731	EP20130151111	20130114
EP2617391 B1	20150318	EP20130151111	20130114
ES2538244 T3	20150618	ES20130151111T	20130114
US2013190815 AA	20130725	US20120355276	20120120
US2013190873 AA	20130725	US20120452980	20120423
US2014207234 AA	20140724	US20140208327	20140313
US2015265408 AA	20150924	US20150723013	20150527
US8652173 BB	20140218	US20120355276	20120120
US9066802 BB	20150630	US20140208327	20140313

Priority:

US20110434145P	20110119	US20120355276	20120120	US20120452980	20120423
CA20122783915	20120725	EP20130151111	20130114	CA20132803206	20130121
US20140208327	20140313	US20150723013	20150527		

Probable Assignee: FORMAE INC

Assignee(s): (std): FORMAE INC ; MANSMANN KEVIN ; MANSMANN KEVIN A

Assignee(s): FORMAE INC PAOLI

Inventor(s): (std): DR MANSMANN KEVIN ; MANSMANN KEVIN ; MANSMANN KEVIN A

Inventor(s): DR MANSMANN KEVIN PAOLI

Agent(s): COTTERS PATENT AND TRADE MARK ATTORNEYS; SMART AND BIGGAR; KEHL ASCHERL LIEBHOF AND ETTMAYR PATENTANWALTE PARTNERSCHAFT; KEHL ASCHERL LIEBHOF AND ETTMAYR PATENTANWALTE PARTNERSCHAFT MBB; ETTMAYR ANDREAS; CURELL MIREIA; DUANE MORRIS LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

44) Family number: 30141675 (US4343754A)

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Title: PROCESS AND APPARATUS FOR MOLDING LINERS IN CONTAINER CLOSURES

Abstract: A process for making a composite closure having a plastic cap with specially configured pedestals that are interconnected to a plastic liner. In one embodiment, the pedestals are each formed with an overhang, such as a mushroom-shaped overhang, to provide a mechanical interlock with the liner. In other embodiments, the pedestals are each formed with a fusible heat concentration zone that is fused to the liner as the liner is compression molded and heated in the cap. In one embodiment, each of the fusible pedestals are formed with a cylindrical configuration. In another embodiment, each of the fusible pedestals are formed in the shape of a pyramid.

Classifications:

International (IPC 8-9): B29C33/00 B29C37/00 B29C41/20 B29C43/00 B29C43/02 B29C43/14 B29C43/18 B29C43/36 B29C43/40 B29C43/42 B29C43/50 B29C53/02 B29C55/00 B29C57/00 B29C59/02 B29C63/26 B29C65/00 B29C65/56 B29C67/00 B29C69/02 B29C70/80 B29D99/00 B65D41/02 B65D41/04 B65D41/20 B65D41/34 B65D41/38 B65D41/40 B65D49/12 B65D53/00 B65D53/04 B65D53/06 B65D55/02 B65D55/08 G09F3/03 (Advanced/Invention); B29C33/00 B29C37/00 B29C43/00 B29C43/02 B29C43/18 B29C53/02 B29C55/00 B29C59/02 B29C63/26 B29C65/00 B29C65/56 B29C67/00 B29L31/56 B65D41/04 B65D53/00 G09F3/03 (Advanced/Non-invention); B29C33/00 B29C37/00 B29C43/00 B29C43/02 B29C43/14 B29C43/18 B29C43/32 B29C43/36 B29C55/00 B29C57/00 B29C59/02 B29C63/26 B29C65/00 B29C65/56 B29C67/00 B29C69/02 B29C70/00 B29D99/00 B65D41/02 B65D41/04 B65D41/32 B65D41/34 B65D49/00 B65D53/00 B65D55/02 G09F3/03 (Core/Invention); B29C43/18 B29C53/00 (Core/Non-invention)

International (IPC 1-7): B29C13/02 B29C27/00 B29C30/00 B29C41/20 B29C43/00 B29C43/10 B29C63/26 B29C67/00 B29D1/00 B29D3/00 B29D31/00 B29D7/16 B29D9/08 B29L31/56 B65D39/00 B65D41/02 B65D41/20 B65D41/32 B65D41/34 B65D41/38 B65D41/40 B65D49/12 B65D53/00 B65D53/04 B65D53/06 B65D55/02 B65D55/08 B65D55/12 B67B3/02 G09F3/03

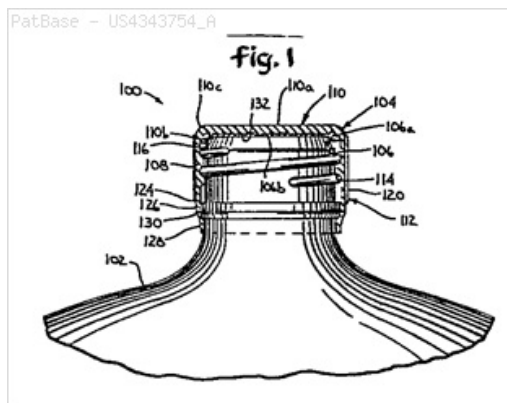
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European: B29C37/00B3 B29C37/00B4 B29C37/00K2 B29C43/02B B29C43/14C B29C43/36C B29C43/42 B29C57/00 B29C59/02C B29C67/00B B29C67/00K B29C69/02 B29C70/80 B65D41/04 B65D41/04B B65D41/04D B65D41/04D2 B65D41/34 B65D41/34C B65D41/34C1 B65D41/34E1 L26F210/04 L29C37/00K2 L29C43/18 L29C43/18B2 L29C53/02 L29C66/71 L29C791/00B L29C793/00J L29L1/00 L29L31/56 L29L31/56B L65D101/00A3D L65D101/00A3E

US: 215/246 215/252 215/329 215/343 215/350 248/163.2 249/59 264/154 264/230 264/250 264/266 264/274 264/291 425/110 425/112 425/127 425/291 425/809 425/DIG.58

Family:

Publication number	Publication date	Application number	Application date
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Priority:

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EP19820106577	19820720	EP19820106577	19820720	CA19820407905	19820723
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Probable Assignee: H C IND INC AN CORP

Assignee(s): (std): HC IND

Assignee(s): H C PLASTIC INC ; H C INDUSTRIES INC ; HC IND INC ; H C PLASTIC INC A DE CORP ; H C INDUSTRIES INC CRAWFORDSVILLE IND US ; WILDE SHELDON L ; MCCANDLESS THOMAS J ;

SAUNDERS ROBERT M ; EICHI SHII IND INC ; ETSUCHI SHII IND INC ; H C IND ; H C IND INC ; H C IND INC A CORP INDIANA ; H C IND INC A CORP OF IN ; H C IND INC A CORP OF IND ; H C IND INC AN CORP

Inventor(s): (std): WILDE SHELDON L ; MCCANDLESS THOMAS J ; SAUNDERS ROBERT M ; WILDE S ; MCCANDLESS T ; SAUNDERS R ; MCCANDLESS THOMAS ; SOUNDERS ROBERT M ; WILDE SHELDON ; SAUNDERS ROBERT ; SHERUDON ERU WAIRUDO ; TOOMASU JEI MATSUKYANDORESUS ; SHIERUDON ERU WAIRUDO ; TOOMASU JEI MATSUKIYANDORESUS ; ROBAATO EMU SAUNDAAZU ; RM SAUNDERS ; WILDE SL MCCANDLESS TJ SAUNDERS RM ; SL WILDE ; WAIRUDO TSUERUDON ERU ; SAUDERS R ; TJ MCCANDLESS ; SHELDON L WILDE ; THOMAS J MCCANDLESS ; MACCANDLESS T ; ROBERT M SAUNDERS ; MATSUKANDORESUS TOOMASU JEI ; WAIRUDO SHERUDON ERU ; SAUNDAAZU ROBAATO EMU ; MATSUKANDORESUS TOOMASU JEI ; WAIRUDO SHIERUDON ERU ; MCCANDLESS TJ ; SAUNDERS SHELDON L WILDE THOMA ; WILDE S L MCCANDLESS TJ SAUND ; SAUNDERS R M ; WILDE S L

Inventor(s): SHELDON L WILDE THOMAS J MCCANDLESSROBERT M SAUNDE ; TJ MCCANDLESS ; WILDE S L MCCANDLESS TJ SAUNDERS R M ; SHELDON WILDE THOMAS MCCANDLESS ET ROBERT SAUNDERS ; S L WILDE ; R M SAUNDERS ; SHELDON L WILDE THOMAS J MCCANDLESSROBERT M... ; L WILDE SHELDON ; M SOUNDERS ROBERT

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; FETHERSTONHAUGH AND CO

Designated states: AU BR DE FR GB IT JP NL SE

45) Family number: 43648698 (US2010048051A)

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Title: ELECTRICAL CONNECTORS AND METHODS OF MANUFACTURING AND USING SAME

Abstract: An electrical connector forms electrical contact by tightening of a movable, electrically-conductive spiral around un-insulated wire or wires. The spiral coils around the wire multiple times and tightens on the wire(s) when either one or the other end, or both ends, of the spiral is/are rotated relative to the other. One region of the spiral is preferably fixed to an insulating housing, while another region of the spiral may be rotated for the tightening on the wire and then preferably latched to the housing so that the spiral remains in the tightened condition. A terminal end may extend from the spiral, or connectors without a terminal end may be used to electrically connect wires to each other that extend from and to other equipment not located on the connector itself. Multiple spirals may be provided in one connector, including spirals that tighten around separate wires at opposite ends of the connector. The connectors may be tightened quickly by hand, without tools, as one hand may grasp the housing or a housing portion, while the terminal end or another housing portion fixed to an end of the spiral (and consequently the spiral coils along with it) is twisted by the other hand.

Classifications:

International (IPC 8-9): F16B2/02 F16G11/02 H01R11/11 H01R11/12 H01R11/28 H01R13/22 H01R13/24 H01R13/40 H01R13/52 H01R4/12 H01R4/22 H01R4/48 H01R4/56 H01R43/16

H01R9/11 (Advanced/Invention);

H01R11/11 H01R13/22 H01R13/52 H01R43/16

H01R9/00 (Core/Invention)

CPC: H01R4/22 H01R13/22 H01R13/5205 H01R11/28 H01R4/4872

H01R4/489 F16B7/06 F16B7/182 H01R9/11 H01R11/11 H01R11/12

F16G11/048 F16G11/12 H01R4/12 H01R4/56 Y10T29/49204

European: H01R11/11 H01R11/12 H01R4/12 H01R4/22 H01R4/56

H01R9/11 T01R11/12

US: 29/874 439/271 439/271P 439/289 439/733.1 439/733.100P

439/743 439/788 439/824



Family:

Publication number	Publication date	Application number	Application date
CA2715398 AA	20100812	CA20092715398	20090223
CA2715398 C	20160503	CA20092715398	20090223
CA2779248 AA	20120427	CA20102779248	20101103
CA2779248 C	20141125	CA20102779248	20101103
DE602009031932 D1	20150813	DE200960031932T	20090223
EP2255411 A2	20101201	EP20090711835	20090223
EP2255411 A4	20131002	EP20090711835	20090223
EP2255411 B1	20150701	EP20090711835	20090223
EP2497158 A2	20120912	EP20100829047	20101103
EP2497158 A4	20140723	EP20100829047	20101103
US2010048051 AA	20100225	US20090391247	20090223
US2010323561 AA	20101223	US20100871819	20100830
US2011097948 AA	20110428	US20100939148	20101103
US2012135622 AA	20120531	US20110306653	20111129
US2013217250 AA	20130822	US20120591216	20120821
US2015079852 AA	20150319	US20140326422	20140708
US2015200471 AA	20150716	US20140571284	20141215
US7794255 BB	20100914	US20090391247	20090223
US7901233 BB	20110308	US20100871819	20100830
US8066525 BB	20111129	US20100939148	20101103
US8246370 BB	20120821	US20110306653	20111129
US8771000 BB	20140708	US20120591216	20120821
US9608346 BB	20170328	US20140571284	20141215
US9614304 BB	20170404	US20140326422	20140708
WO09105784 A2	20090827	WO2009US34928	20090223
WO09105784 A3	20091126	WO2009US34928	20090223
WO11056901 A2	20110512	WO2010US55337	20101103
WO11056901 A3	20110922	WO2010US55337	20101103
WO15089513 A1	20150618	WO2014US70422	20141215

Priority:

US20060257827P 20061103	US20080030470P 20080221	US20080054770P 20080520
US20080100768P 20080929	US20080106473P 20081017	EP20090711835 20090223
US20090391247 20090223	WO2009US34928 20090223	US20090257827P 20091103

US20100871819 20100830 US20100939148 20101103 WO2010US55337 20101103
US20110306653 20111129 US20120591216 20120821 US20130916285P 20131215
US20140326422 20140708 US20140080732P 20141117 US20140571284 20141215

Probable Assignee: MELNI LLC

Assignee(s): (std): MELNI LLC ; MELNI MARK L

Assignee(s): MELNI MARK L265 ASH STREET N.TWIN FALLSID83301US ; MELNI LLC TWIN FALLS ; MELNI LLC265 ASH ST. NTWIN FALLSID83301US

Inventor(s): (std): MELNI MARK L

Inventor(s): MELNI MARK L265 ASH STREET N.TWIN FALLSID83301US ; MELNI LLC

Agent(s): LAMBERT INTELLECTUAL PROPERTY LAW; ARMSTRONG R CRAIG; MERIZZI RAMSBOTTOM AND FORSTER; ZIMMERMANN GUENTER DIPL PHYS DRRERNAT; GEE STEVEN WILLIAM; PEDERSEN AND CO PLLC; KEN J; BARBARA S; PEDERSON AND CO PLLC; PEDERSEN BARBARA S ET AL; PEDERSEN KEN J ET AL; PEDERSEN BARBARA S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

46) Family number: 20758708 (US5759188A)

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Title: SUTURING INSTRUMENT WITH ROTATABLY MOUNTED NEEDLE DRIVER AND CATCHER

Abstract: An instrument for suturing anatomical tissue with a suture needle includes a handle, a needle driver mounted by the handle for rotation along a first arcuate path having a radius of curvature commensurate with a radius of curvature of the suture needle, and a needle catcher mounted by the handle for rotation along a second arcuate path coplanar with the first arcuate path and having a radius of curvature commensurate with the radius of curvature of the suture needle. The needle driver and the needle catcher each include needle holding members selectively operable to grasp and release the suture needle so that, when the needle holding members of the driver are operated to grasp the suture needle, the driver can be rotated to drive the suture needle through anatomical tissue positioned between the driver and the catcher, and when the needle holding members of the catcher are operated to grasp the suture needle, the needle holding members of the driver can be operated to release the suture needle, thereby allowing the catcher to be rotated to pull the suture material through the anatomical tissue.

Classifications:

International (IPC 8-9): A61B1/018 A61B17/00 A61B17/04

A61B17/06 A61B17/28 A61B17/32 A61B17/34 A61B18/14

A61B19/00 (Advanced/Invention);

A61B1/018 A61B17/00 A61B17/06 A61B17/28 A61B17/32

A61B17/34 A61B19/00 (Advanced/Non-invention);

A61B17/04 A61B18/14 (Core/Invention);

A61B1/012 A61B17/00 A61B17/06 A61B17/28 A61B17/34

A61B19/00 (Core/Non-invention)

International (IPC 1-7): A61B17/00 A61B17/04

CPC: A61B90/36 A61B2017/00331 A61B2017/2906 A61B2018/145

A61B1/018 A61B10/02 A61B17/04 A61B17/32 A61B17/32002

A61B18/1442 A61B18/1445 A61B2017/0042 A61B2017/0609

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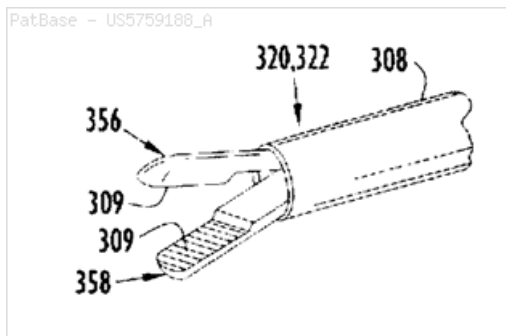
A61B17/0491 A61B2017/2923 A61B2018/00208

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K61B17/04 K61B17/04E K61B17/04M K61B17/06N6 K61B17/29F8 K61B17/29H6R K61B17/29J2R K61B17/29J8 K61B17/32

K61B17/32E2 K61B17/34G4M K61B18/00B12E2 K61B18/12G8A K61B18/12G8B K61B18/14C12C K61B18/14F4 K61B19/52

US: 606/139 606/144 606/145 606/147 606/148



Family:

Publication number	Publication date	Application number	Application date
AU199883731 A1	19990104	AU19980083731	19980612
AU199890140 A1	19990222	AU19980090140	19980731
AU199891022 A1	19990222	AU19980091022	19980731
AU199939674 A1	19991116	AU19990039674	19990429
US5759188 A	19980602	US19960758648	19961127
US5954733 A	19990921	US19980064133	19980422
US5957937 A	19990928	US19970904767	19970801
US5984932 A	19991116	US19970847182	19970501
US5993466 A	19991130	US19970877764	19970617
US5993467 A	19991130	US19970904764	19970801
US6159224 A	20001212	US19990300011	19990428
WO9857585 A1	19981223	WO1998US11405	19980612
WO9905972 A1	19990211	WO1998US14819	19980731
WO9905975 A1	19990211	WO1998US15318	19980731
WO9955217 A2	19991104	WO1999US09257	19990429
WO9955217 A3	20010412	WO1999US09257	19990429
WO9955217 C2	20000127	WO1999US09257	19990429

Priority:

US19960758648 19961127 US19970847182 19970501 US19970877764 19970617
US19970904767 19970801 US19970904764 19970801 US19980064133 19980422
US19980083622P 19980430 WO1998US11405 19980612 WO1998US14819 19980731
WO1998US15318 19980731 US19990300011 19990428 WO1999US09257 19990429

Probable Assignee: YOON INBAE

Assignee(s): (std): INBAE YOON ; YOON INBAE

Inventor(s): (std): YOON INBAE ; INBAE YOON

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZA ZW

Title: A METHOD AND APPARATUS FOR COOPERATIVE USAGE OF MULTIPLE DISTANCE METERS

Abstract: A method and apparatus for an angle meter cooperatively using two or more non-contact distance meters for measuring distances to a surface along substantially parallel lines. The measured distances are used for estimating or calculating the angle to the surface and the distance to the surface. The distance meters may use optical means, where a visible or non-visible light or laser beam is emitted and received, acoustical means, where an audible or ultrasound sound is emitted and received, or an electromagnetic scheme, where radar beam is transmitted and received. The distances may be estimated using a Time-of-Flight (TOF), homodyne or heterodyne phase detection schemes. The distance meters may share the same correlator, signal conditioning circuits, or the same sensor. Two or more angle meters may be used defining parallel or perpendicular measurement planes, for measuring angles between surfaces, and for estimating physical dimensions such as length, area or volume.

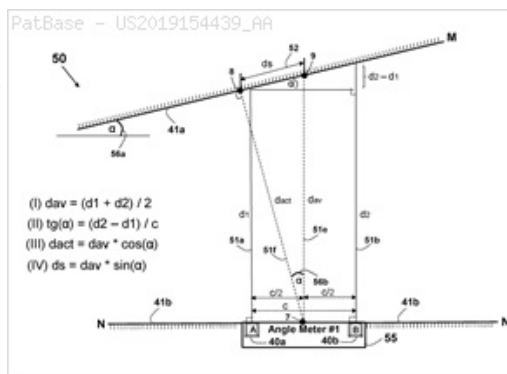
Classifications:

International (IPC 8-9): G01B11/02 G01B11/26 G01B15/04

G01C3/10 G01C3/18 G01S17/08 G01S17/42 (Advanced/Invention)

CPC: G01S17/08 G01S15/08 G01S15/42 G01S13/878 G01S2013/468
G01B11/26 G01B11/026 G01B15/00

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019154439 AA	20190523	US20170081901	20170222
WO17149526 A2	20170908	WO20171L50220	20170222
WO17149526 A3	20171005	WO20171L 50220	20170222

Priority:

US20160303388P 20160304 US20160373388P 20160811 WO2017IL50220 20170222
US20170081901 20170222

Probable Assignee: MAY PATENTS LTD

Assignee(s): (std): MAY PATENTS LTD

Inventor(s): (std): BINDER YEHUDA

Agent(s): BINDER SHEM TOV DORIT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA QR RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UB UG UZ VC VN ZA ZM ZW

Title: COUPELLE DE MONTAGE D'UN MOYEN DE DISTRIBUTION SUR UN RECIPIENT, RECIPIENT DE STOCKAGE DE PRODUIT CORRESPONDANT, ET ENSEMBLE COMPRENANT UNE COUPELLE ET UN RECIPIENT

Abstract: Source: FR2923469B [FR] Cette coupelle de montage d'un moyen de distribution sur un recipient (1) de stockage de produit comprend une premiere partie pour le montage du moyen de distribution sur la coupelle et une deuxieme partie (17) pourvue d'une jupe peripherique pour la fixation de la coupelle sur le recipient. La jupe (16) est dotee d'un bord d'extremite libre crenele.

Classifications:

International (IPC 8-9): B65D41/62 B65D83/14

B65D83/40 (Advanced/Invention);

B65D41/00 B65D83/14 B65D83/40 (Core/Invention)

CPC: B05B11/0027 B05B11/3047 B65D83/38 B65D83/40

European: B05B11/00
B65D83/38 B65D83/40

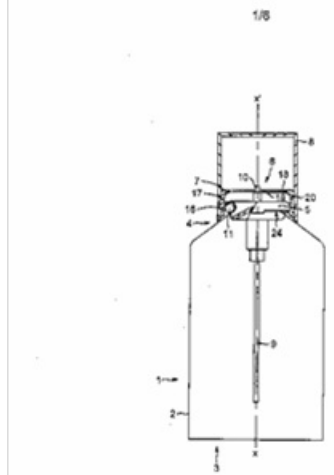


FIG.1

Family:

Publication number	Publication date	Application number	Application date
FR2923469 A1	20090515	FR20070058874	20071108
FR2923469 B1	20121005	FR20070058874	20071108

Priority:

FR20070058874 20071108

Probable Assignee: LOREAL SA**Assignee(s):** (std): LOREAL SA ; OREAL**Assignee(s):** L OREAL ; L OREAL SOC ANONYME ; L OREAL SOCIETE ANONYME**Inventor(s):** (std): LEMAIRE VINCENT**Inventor(s):** VINCENT LEMAIRE**Agent(s):** BUREAU DA CASALONGA AND JOSSE; CASALONGA AND ASSOCIES; CASALONGA**49) Family number: 47850754 (US2010315239A)**

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Title: ELECTRONIC ARTICLE SURVEILLANCE CARRIER AND TAG

Abstract: An electronic article surveillance (EAS) apparatus is comprised of a carrier and an EAS unit. The carrier receives the EAS unit and has an adhesive element on one of its surfaces to attach to an item to be protected. The EAS unit may have several electronic components including, among others, an EAS coil, a microprocessor, communication elements, a switch, a battery, and an audible alarm generator. The EAS unit can be removed from a protected item by opening, or parting, the carrier. Once the carrier is opened the EAS unit can be retrieved for reuse. External devices can be used to communicate with and disarm the EAS unit. If an EAS unit is removed without being disarmed, a switch detects the change in status and an audible alarm is generated.

Classifications:

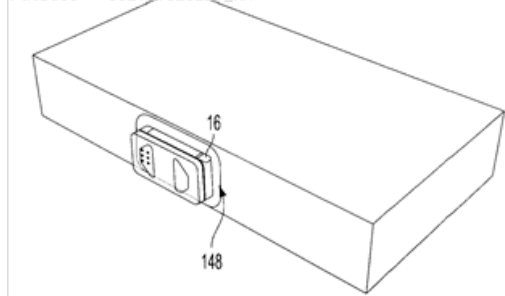
International (IPC 8-9): B65D85/00 G06F1/16 G06K7/01 G08B13/14 G08B13/22 H04B10/00 H05K5/00 H05K5/02 H05K7/00 (Advanced/Invention)

CPC: B65D63/14 B65D2101/00 B65D2203/12 G08B13/2434 B65D2211/00 G08B13/1463 E05B73/0029

European: B65D63/14 G08B13/14H4 G08B13/24B3H L65D101/00 L65D203/12 L65D211/00

US: 206/701 206/701S 312/297 312/297P 312/297S 340/10.1 340/10.100P 340/572.1 340/572.8 340/572.9 340/572.900P 361/679.01 361/679.010S 361/679.57 361/728 361/752 361/752S 398/118 398/118S

PatBase - US2010315239_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2010315239 AA	20101216	US20100815380	20100614
US2011227706 AA	20110922	US20110151106	20110601
US2011260594 AA	20111027	US20110177447	20110706
US2012229975 AA	20120913	US20120478936	20120523
US8334776 BB	20121218	US20100815380	20100614
US8368543 BB	20130205	US20110151106	20110601
US8373565 BB	20130212	US20110177447	20110706
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WO10147914 A1	20101223	WO2010US38563	20100614
WO13176696 A1	20131128	WO2012US57976	20120928

Priority:

US20080030929P	20080222	US20080030932P	20080222	US20080303929P	20080222
US20090391222	20090223	US20090391252	20090223	US20090186889P	20090614
US20090498367	20090707	US20100303929P	20100212	US20100726879	20100318
US20100815380	20100614	US20110010571	20110120	US20110151106	20110601
US20110177447	20110706	US20120478936	20120523		

Probable Assignee: YANG XIAO HUI**Assignee(s):** (std): YANG XIAO HUI**Inventor(s):** (std): YANG XIAO HUI**Agent(s):** ROBERT R WATERS ESQ WATERS LAW OFFICE PLLC; WATERS LAW GROUP PLLC; ROBERT R; BRIAN W; WATERS LAW OFFICE PLLC**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**50) Family number: 75510767 (US2019247050A)**

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Title: INTEGRATED SYSTEM FOR THE INFIXION AND RETRIEVAL OF IMPLANTS

Abstract: Described are coordinated apparatus and methods for drug targeting, clearing the lumen, placing implants within the wall of, and stenting, as necessary, any tubular anatomical structure with single luminal entry. Miniature balls, or miniballs, are introduced into the wall aeroballistically from within the lumen, or small arcuate bands called stays inserted through the outer tunic by means of a hand tool. When miniballs must be placed too closely together to be controlled by hand, a positional control system assists in discharge. Implantation within or proximal to diseased tissue targeting, and thus concentrating the medication in that tissue, miniballs and stays can be used to deliver and controllably release multiple drugs, a radionuclide, or an open or closed loop smart-pill, for example. A glossary of terms follows the specification. Balance of abstract appended to the section entitled Summary of the Invention.

Classifications:**International (IPC 8-9):** A61B17/00 A61B17/12 A61B17/34

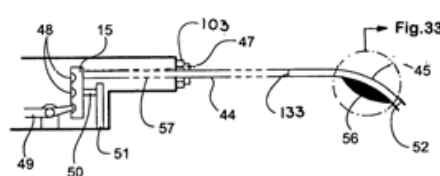
A61B18/18 A61F2/82 (Advanced/Invention)

CPC: A61B17/3468 A61B18/18 A61B2017/00411 A61B2017/00876

A61B17/00491 A61B17/0057 A61B17/12118 A61B17/12181

A61B2017/0065 A61B2017/1205 A61F2/82

PatBase - US2019247050_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2019247050 AA	20190815	US20180932172	20180214

Priority:

US20180932172 20180214

Probable Assignee: GOLDSMITH DAVID S**Assignee(s):** (std): GOLDSMITH DAVID S**Inventor(s):** (std): GOLDSMITH DAVID S**51) Family number: 55366782 (US2013336519A)**

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Title: WILLPOWER WATCH (TM) -- A WEARABLE FOOD CONSUMPTION MONITOR

Abstract: This invention is a wearable, automatic, and tamper-resistant device and method for monitoring and measuring food consumption and caloric intake. It can help people to manage their energy balance and weight. It can be embodied as: (a) one or more automatic-imaging members that are worn on a person from which these members collectively and automatically take pictures of the person's mouth and pictures of a reachable food source when the person eats; (b) a tamper-resisting mechanism which detects and responds if the operation of the one or more automatic-imaging members is impaired; and (c) an image-analyzing member which automatically analyzes pictures of the person's mouth and pictures of the reachable food source in order to estimate the types and quantities of food that are consumed by the person.

Classifications:**International (IPC 8-9):** A41B1/08 A41B7/00 A41D13/12 A41D27/10

A41D27/20 A44C5/00 A44C9/00 A47G21/02 A61B19/00 A61B5/00

A61B5/01 A61B5/0205 A61B5/026 A61B5/03 A61B5/04 A61B5/0402

A61B5/0476 A61B5/0478 A61B5/0482 A61B5/0488 A61B5/053

A61B5/107 A61B5/11 A61B5/117 A61B5/145 A61B5/1455

A61B5/1468 A61B5/1477 A61B7/00 A61B7/04 A61B90/00 A61F5/00

A61M1/12 A61M21/00 A61M31/00 A61M5/142 A61M5/172 A61N1/365

A61N1/372 A61N2/00 A61N2/02 G01B11/25 G01B7/16 G01D5/353

G01J3/02 G01J3/10 G01J3/28 G01N21/15 G01N21/25 G01N21/27

G01N21/33 G01N21/35 G01N21/3554 G01N21/3563 G01N33/02

G01R27/02 G06F1/16 G06F17/00 G06F19/00 G06F3/01 G06F3/03

G06F3/0346 G06F3/044 G06K9/00 G06K9/20 G06K9/22 G06T1/00

G06T7/00 G09B19/00 G09B23/28 G09B5/00 G09B5/02 G16H20/60

H04N7/18 (Advanced/Invention);

A41D1/00 A41D13/12 A41H1/02 A61B5/00 A61B5/0205 A61B5/021

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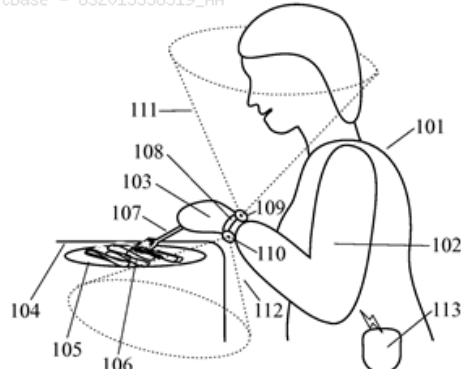
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A61B19/44 A61B2562/0219 A61B2576/00 A61B2019/442 A61B2019/446 A61B5/7405 A61B2562/0204 A61B5/0013

A61B5/1176 A61B2562/0271 A61B5/0006 A61B5/04008 A61B5/02055 A61B5/021 A61B5/02438 A61B5/0404 A61B5/0488

PatBase - US2013336519_AA



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Family:

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Probable Assignee: MEDIBOTICS LLC

Assignee(s): (std): BEHYMER JEDIDIAH ; CONNOR ROBERT A ; HARDYMAN MATTHEW ; HERICKS MATT ; MEDIBOTICS LLC ; HOMMER GARRISON ; LOPEZ GUS ; SMIDA JOHN ; OLSON TYLER ; STEIN ALEX ; VALENCIA DANIEL ; MEDIBOTICS ; WONG ERIC

Inventor(s): (std): WONG ERIC ; VALENCIA DANIEL ; STEIN ALEX ; SMIDA JOHN ; OLSON TYLER ; LOPEZ GUS ; HOMMER GARRISON ; HERICKS MATT ; HARDYMAN MATTHEW ; BEHYMER JEDIDIAH ; CONNOR ROBERT A

52) Family number: 41178801 (WO08012448A2)

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Title: FASTENING CLIP WITH TWO SECURING POSITIONS PARTICULARLY FOR MOTOR VEHICLE BODYWORK TRIM STRIPS

Abstract: The fastening clip (10) comprises a base (13) attached to the interior face of a trim strip, a catching part (15) comprising a clip head (31) designed to collaborate with a "keyhole" opening in the bodywork, and a sealing plate (14) intended to close off this opening. The base comprises a retaining means (21) and the sealing plate comprises a complementary retaining means (25), these respectively, according to whether or not they are engaged with one another, making it possible to achieve two positions for mounting the trim strip: a final locked position in which the trim strip is pressed firmly against the bodywork and a separated premounted position in which the trim strip is some distance from this bodywork. The sealing plate lies some distance from the bodywork in the premounted separated position and flexes to come into contact with this bodywork in the locked position. This invention is of advantage to the manufacturers of vehicles and motor vehicle accessories.

Classifications:

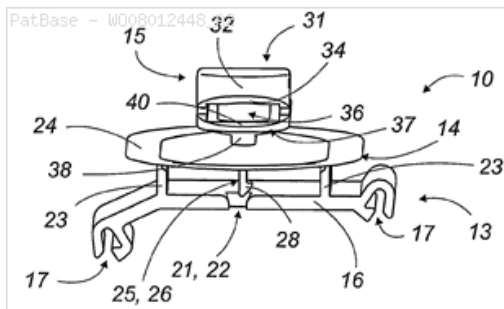
International (IPC 8-9): B60R13/00 B62D65/02 F16B2/22

F16B5/12 (Advanced/Invention);

B60R13/00 B62D65/00 F16B2/20 F16B5/12 (Core/Invention)

CPC: F16B5/123

European: F16B5/12F



Family:

Publication number	Publication date	Application number	Application date
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EP2047122 B1	20110126	EP20070823361	20070727
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Priority:

FR20060006931 20060728 WO2007FR01304 20070727

Probable Assignee: REHAU SA

Assignee(s): (std): HAUDRY PHILIPPE ; MULLER DENIS ; REHAU SA ; REHAU SA SA

Assignee(s): REHAU SA SOCIETE ANONYME ; REHAU SOC ANONYME SA

Inventor(s): (std): MULLER DENIS ; HAUDRY PHILIPPE

Inventor(s): PHILIPPE HAUDRY ; DENIS MULLER

Agent(s): METZ PAUL; CABINET METZ PATNI

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

53) Family number: 41178803 (WO08012449A2)

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Title: FASTENING CLIP WITH TWO SECURING POSITIONS PARTICULARLY FOR MOTOR VEHICLE BODYWORK TRIM STRIPS

Abstract: The fastening clip (12) comprises a base piece (15) mounted on the rear face of a trim strip and a catching element (16) attached to the base piece, comprising a clip head (39) designed to collaborate with a "keyhole" opening. The clip comprises a fastening structure (25) with two retaining positions, resulting in two positions for mounting the trim strip on the bodywork: a separated premounted position in which the trim strip is some distance from the bodywork and a locked position in which the trim strip is pressed against the bodywork. The base piece comprises a sealing plate (21) that lies some distance from the bodywork in the premounted separated position and is in contact with this bodywork in the final locked position. This invention is of advantage to the manufacturers of vehicles and of motor vehicle accessories.

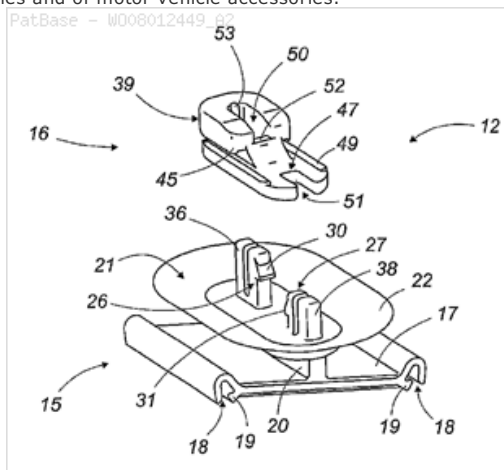
Classifications:

International (IPC 8-9): B60R13/00 B62D65/02 F16B2/22 F16B5/12 (Advanced/Invention);

B60R13/00 B62D65/00 F16B2/20 F16B5/12 (Core/Invention)

CPC: F16B5/123

European: F16B5/12F



Family:

Publication number	Publication date	Application number	Application date
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WO08012449 B1	20080626	WO2007FR01305	20070727

Priority:

FR20060006932 20060728 EP20070823362 20070727 WO2007FR01305 20070727

Probable Assignee: REHAU SA

Assignee(s): (std): HAUDRY PHILIPPE ; MULLER DENIS ; REHAU SA ; REHAU SA SA

Assignee(s): REHAU SA SOCIETE ANONYME ; REHAU SOC ANONYME SA

Inventor(s): (std): MULLER DENIS ; HAUDRY PHILIPPE

Inventor(s): PHILIPPE HAUDRY ; DENIS MULLER

Agent(s): LICHTI PATENTANWALTE PARTNERSCHAFT MBB; METZ PAUL; CABINET METZ PATNI

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW

54) Family number: 34457809 (US2007102306A)

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Title: CLOSURE FOR DISPENSING ADDITIVE

Abstract: A closure including a base member, a top member slidably engaged with the base member, the top member having a spigot member. A crown member is slidably engaged with the top member. The base member and top member form at least one reservoir.

Classifications:**International (IPC 8-9):** A61B17/34 A61M5/178 A61M5/32

B65D25/08 (Advanced/Invention);

A61B17/34 A61M5/32 B65D25/04 (Core/Invention)

CPC: A61B17/34 A61B17/3403 A61B2017/3407 A61M5/158

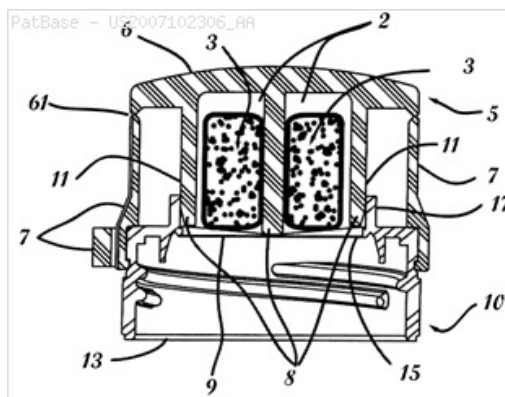
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European: A61B17/34D A61M5/158 A61M5/32F B65D47/24A2

B65D51/28B1C K61B17/34 K61B17/34D1B K61M5/158G K61M5/32E

K61M5/32E2 K61M5/34A2D K61M5/34A2E K61M5/46

US: 206/219 604/159 604/164.04 604/174 604/175 606/185**Family:**

Publication number	Publication date	Application number	Application date
US2007102306 AA	20070510	US20060550449	20061018
US2007167970 AA	20070719	US20060594925	20061109
US7611492 BB	20091103	US20060594925	20061109

Priority:

US20050735200P 20051110

US20060799796P 20060512

US20060550449 20061018

US20060594925 20061109

Probable Assignee: TERUMO CORP**Assignee(s):** (std): LANTOS EMERY J ; SYKES JAMES D ; TERUMO CORP**Assignee(s):** TERUMO KABUSHIKI KAISHA ; TERUMO KK**Inventor(s):** (std): LANTOS EMERY J ; SYKES JAMES D ; KAWANISHI TETSURO ; SONODA YUTARO**Inventor(s):** SYKES JAMES ; LANTOS EMERY**Agent(s):** PERMAN AND GREEN; BUCHANAN INGERSOLL AND ROONEY PC**55) Family number: 71884865 (US2018325774A)**

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Title: GRASPING FACILITATORS AND USES THEREOF AND KITS INVOLVING THE SAME

Abstract: There is featured a grasping facilitator that has one or more of a) to c) as set forth below: a) a combination having an annular core and a plurality of gripping ribs spaced about the annular core, with the core and gripping ribs being formed of an elastomeric material and the ribs extending about an upper part, outer part and bottom part of the core so as to leave an interior region of the core that is aligned radially with respective ribs exposed; b) a pliable collar having a main body with a plurality of ridges separated by concave recesses and a central aperture; c) a tray holder having an aperture or projection that has a configuration designed to conform with at least one of a) and b). There is further featured kit combinations of a) to c) above as well as methods of using and assembling one or all combinations of a) to c).

Classifications:**International (IPC 8-9):** A61J1/16 A61J1/20 A61M5/31 B25B13/46

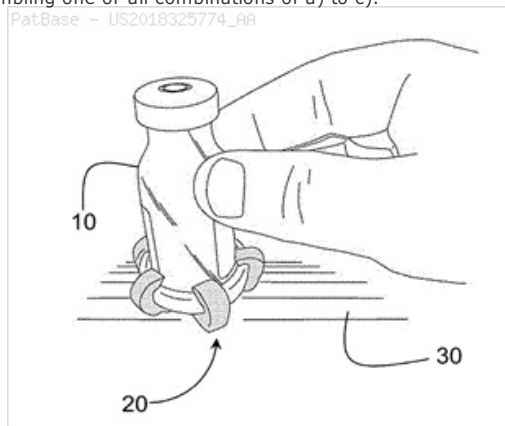
B25B21/00 (Advanced/Invention)

CPC: A61J1/2096 B25B21/00 B25B13/46 A61J1/2065 A61M2209/08

A61M2209/088 A61M5/3213 A61M2005/3139 A61M2005/3215

A61M2209/04 A61M2209/084 A61J1/16 A61J1/2055 A61M5/3137

F16M13/005

US: 1/1 215/395 29/525.01**Family:**

Publication number	Publication date	Application number	Application date
US2018325774 AA	20181115	US20180977358	20180511
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Priority:

Probable Assignee: SCALPAL LLC
Assignee(s): (std): SCALPAL LLC ; SCAPAL LLC
Inventor(s): (std): GITMAN ELIOT ROBERT ; GITMAN TUVIA

56) Family number: 30455912 (US2001000602A)

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Title: SNAP-ON, SCREW-OFF CAP AND CONTAINER NECK

Abstract: A tamper-evident, snap-on, screw-off closure is used with a specially shaped container neck. The neck has double lead external threads and, below the threads, a conical wall having external ratchet teeth. The closure has an upper skirt having internal threads mating with the neck threads. A conical lower skirt is connected to the upper skirt by a plurality of frangible bridges. The lower skirt has internal ratchet teeth to mate with the neck ratchet teeth. The cap skirt threads are double pitch and slightly over 360 degrees in length. When the cap is applied to the neck it snaps on in two stages. The lower skirt has a tear tab which, when pulled, fractures the lower skirt on a vertical line. Continued pulling on the tab sequentially fractures the bridges.

Classifications:

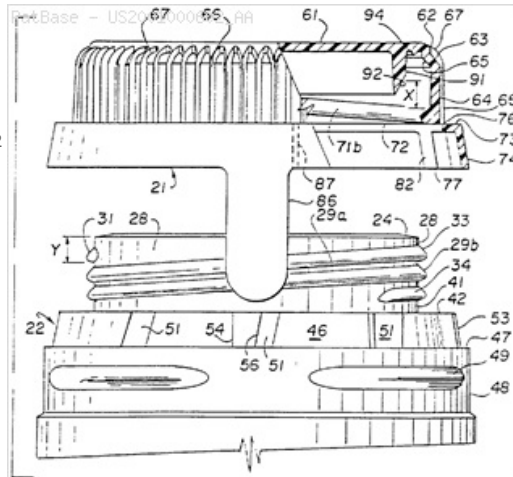
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Probable Assignee: PORTOLA PACKAGING INC

Assignee(s): (std): PORTOLA PACKAGING INC ; CAP SNAP CO

Assignee(s): HELLER FINANCIAL ; GENERAL ELECTRIC CAPITAL US AGENT AND CANADIAN AGE ; CAP SNAP CO A CORP OF CALIFORNIA ; GENERAL ELECTRIC CAPITAL US AGENT AND CANADIAN AGENT AS CORP ; HELLER FINANCIAL INC ; WAYZATA INVESTMENT PARTNERS LLC ; HELLER FINANCIAL INC A DE CORP ; HELLER FINANCIAL INC A DELAWARE BUSINESS TRUST ; LUCH DANIEL ; PORTOLA PACKAGING INC F K A CAP SNAP CO ; REPP RICHARD E ; WELLS FARGO FOOTHILL LLC AS AGENT ; WAYZATA INVESTMENT PARTNERS LLC AGENT FOR SUBORDI ; WELLS FARGO FOOTHILL LLC AGENT AS ; WAYZATA INVESTMENT PARTNERS LLC AGENT FOR SUBORDIN ; WAYZATA INVESTMENT PARTNERS LLC (AGENT FOR SUBORDINATED CREDITORS) ; WAYZATA INVESTMENT PARTNERS LLC AGENT FOR SUBORDINATED CREDITORS

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Inventor(s): ANNA ABSOLOM ; STEVEN H BIETZER ; RAWSON L CHENAULT

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Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CS CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

57) Family number: 52203984 (WO12143493A1)

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Title: TOY FORMING A ROCKING SEAT OR A CARRIER ON WHEELS

Abstract: This toy (2) forming a rocking seat or a carrier on wheels (72A, 72B, 74A, 74B) comprises a hollow body (4) made of moulded synthetic material and forming a seat. The interior volume of the body (4) is open to the bottom in the use configuration of the toy. The body (4) is provided with two curved and concave edges (44) which form tracks for bearing on the ground in the rocking seat configuration of the toy. The wheels (72A, 72B, 74A, 74B) are articulated, in pairs, on the body (4) and can move with respect to the body between a deployed position, corresponding to the carrier on wheels configuration of the toy, where the wheels can roll on the ground while supporting the body at a distance from the ground, and a retracted position, corresponding to the rocking seat configuration of the toy, where the wheels are housed in the interior volume of the body. Immobilizing means (622C, 642C) lock the wheels respectively in each of the deployed and retracted positions.

The wheels are four in number and pivotably mounted, in pairs, on supports (62, 64) articulated on the body (4). An auxiliary

European: A63G13/06 A63G17/00 A63G19/18



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