

Search history

- Search [SP]: An anchoring group (20) for an external fixator (1), comprising: a connecting body (11) designed to be coupled to a bar (2) of an external fixator (1), said connecting body (11) being crossed by a median plane (M); a first locking device (10) for locking first unicortical pins and connected to the connecting body (11), said first locking device (10) comprising at least one seat; and a second locking device (10) for locking second unicortical pins and also connected to the connecting body (11), said second locking device (10) comprising at least one auxiliary seat, which is not aligned with the at least one seat of the first locking device (10), said first and second locking devices (10) extending from different side of said median plane (M), wherein the connecting body (11) has at least two fastening seats (110a, 110b) for each the first and the second locking devices (10) so as to allow at least two alternative mounting configurations from each side with respect to the median plane (M) of the connecting body (11). (Results 500)
- Search lock* and clamp (Results 103869)
2:
- Search 1 and 2 (Results 49)
3:
- Search hinge (Results 526252)
4:
- Search 3 and 4 (Results 19)
5:

1) Family number: 32452873 (US2002013571A)

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Title: METHODS AND DEVICES FOR CAPTURING AND FIXING LEAFLETS IN VALVE REPAIR

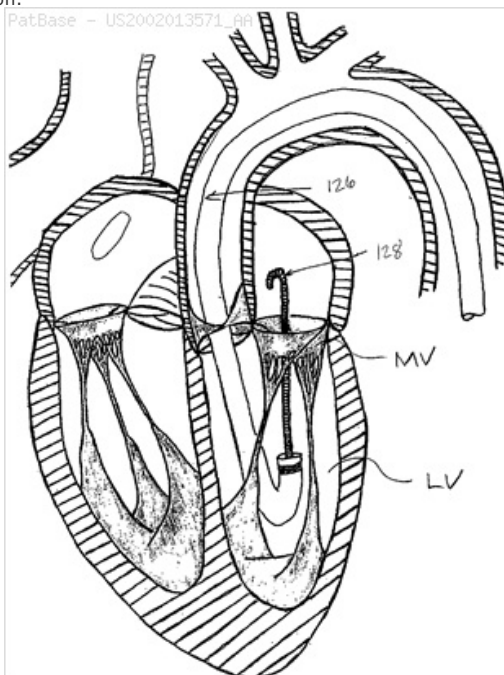
Abstract: Source: US2002013571A The present invention provides methods and devices for grasping, and optional repositioning and fixation of the valve leaflets to treat cardiac valve regurgitation, particularly mitral valve regurgitation. Such grasping will typically be atraumatic providing a number of benefits. For example, atraumatic grasping may allow repositioning of the devices relative to the leaflets and repositioning of the leaflets themselves without damage to the leaflets. However, in some cases it may be necessary or desired to include grasping which pierces or otherwise permanently affects the leaflets. In some of these cases, the grasping step includes fixation.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/04 A61B17/00 A61B17/04 A61B17/06 A61B17/062 A61B17/064 A61B17/068 A61B17/08 A61B17/10 A61B17/11 A61B17/12 A61B17/122 A61B17/128 A61B17/28 A61B17/94 A61B18/04 A61B18/12 A61B18/14 A61B19/00 A61B19/02 A61B5/00 A61B5/04 A61D1/00 A61F2/24 A61L27/00 A61L29/00 A61M25/00 A61M25/01 A61M25/08 A61M25/088 A61M25/092 (Advanced/Invention); A61B17/00 A61B17/04 A61B17/06 A61B17/064 A61B17/068 A61B17/072 A61B17/08 A61B17/12 A61B17/128 A61B17/29 A61B18/18 A61B18/20 A61B8/10 A61F11/00 A61F2/24 A61M25/01 A61M5/178 (Advanced/Non-invention); A61B17/00 A61B17/03 A61B17/04 A61B17/12 A61B17/28 A61B19/00 A61F2/24 A61M25/00 A61M25/01 (Core/Invention); A61B17/03 A61B17/06 A61B17/064 A61B17/068 A61B17/12 A61F2/24 (Core/Non-invention); A61B A61M (Subclass/Invention)

International (IPC 1-7): A61B1/04 A61B17/00 A61B17/04 A61B17/08 A61B17/10 A61B19/00 A61F2/24 A61L27/00 A61L29/00
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European: A61B17/00E A61B17/04A A61B17/04E A61B17/04G A61B17/062N A61B17/08 A61B17/10 A61B17/122 A61B17/128E A61B17/29H A61B18/14V A61B19/02P A61M25/01C10A A61M25/01C10C A61M25/01C10K A61B17/00E1C K61B17/00P5 K61B17/00P5B K61B17/00P5D K61B17/00P5E K61B17/00P5H K61B17/00P5K K61B17/00P5L K61B17/00P5R K61B17/00R4V K61B17/00S12 K61B17/04 K61B17/04A K61B17/04A2 K61B17/04A20 K61B17/04A21 K61B17/04A24M K61B17/04A24P K61B17/04A3 K61B17/04A30R K61B17/04A40A2 K61B17/04A40L K61B17/04A5 K61B17/04A50 K61B17/04E2 K61B17/04E3 K61B17/04E4 K61B17/04G K61B17/04K K61B17/04K5 K61B17/04T K61B17/064 K61B17/064A K61B17/064C K61B17/064D K61B17/064V K61B17/068 K61B17/06B K61B17/06D K61B17/06N2 K61B17/06N8 K61B17/06S2 K61B17/072B K61B17/08 K61B17/08S K61B17/122 K61B17/122S K61B17/128E K61B17/12P2 K61B17/29 K61B17/29F10 K61B17/29F6 K61B17/29H K61B17/29J K61B17/29J2 K61B17/29J4 K61B17/29J6 K61B17/29J6T K61B17/29L K61B17/64 K61B18/00B16C K61B18/18 K61B18/20 K61B19/02P K61B8/10 K61F2/24 K61F2/24H K61F2/24R K61F2/24R2 K61M25/01C10K K61M25/01C10M K61M25/01C10P K61M25/01C10Q K61M25/01C10S
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Family:

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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 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

2) Family number: 28292593 (US2001018591A)

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Title: ARTICULATED APPARATUS FOR TELEMANIPULATOR SYSTEM

Abstract: Source: US2001018591A An articulated apparatus is disclosed that includes a first link member, a second link member, and a third link member. The second link member is coupled to the first link member at a proximal end of the second link member by a first joint having a first axis of rotation. The third link member is coupled to a distal end of the second link member by a second joint. The movement of the third link member with respect to the second link member is governed by at least one tendon that passes through the first axis of rotation of the first joint such that movement of the second member with respect to the first member does not cause movement of the third member with respect to the second member.

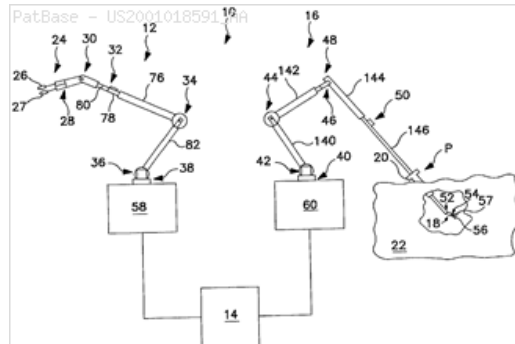
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Probable Assignee: HANSEN MEDICAL INC

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Assignee(s): CUNNINGHAM ROBERT W ; HANSEN MEDICAL INC MOUNTAIN VIEW ; BROCK ROGERS INC ; AILINGER ROBERT E

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Inventor(s): ROBERT AILINGER ; GARY ROGERS ; DAVID L BROCK ; BARRY WEITZNER ; WEITZNER BARRY ACTON ; WOJIN LEE ; ROGERS GARY WENHAM ; AILENGER ROBERT NORWOOD ; LEE WOJIN HOPKINTON ; BROCK DAVID L NATICK

Agent(s): LECOMTE DIDIER ; LECOMTE AND PARTNERS; HAMILTON BROOK SMITH AND REYNOLDS PC; VISTA IP LAW GROUP 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 LI 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 SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

3) Family number: 13521123 (US2003191360A)

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Title: APPARATUS AND METHOD FOR TREATING FEMALE URINARY INCONTINENCE

Abstract: Source: US2003191360A The present invention provides a surgical implant and method for supporting the urethra (118), the implant comprising: a suburethral support (10) suspended between two soft tissue anchors (30) that do not penetrate the lower abdominal wall and are attached at either side of the suburethral support (10). The soft tissue anchors (30) retain each anchor in soft tissue, suspending each side of the suburethral support (10). The suburethral support (10) passes under the urethra (118) to support the urethra (118). The implant has uses including treating urinary incontinence and uterovaginal prolapse.

Classifications:

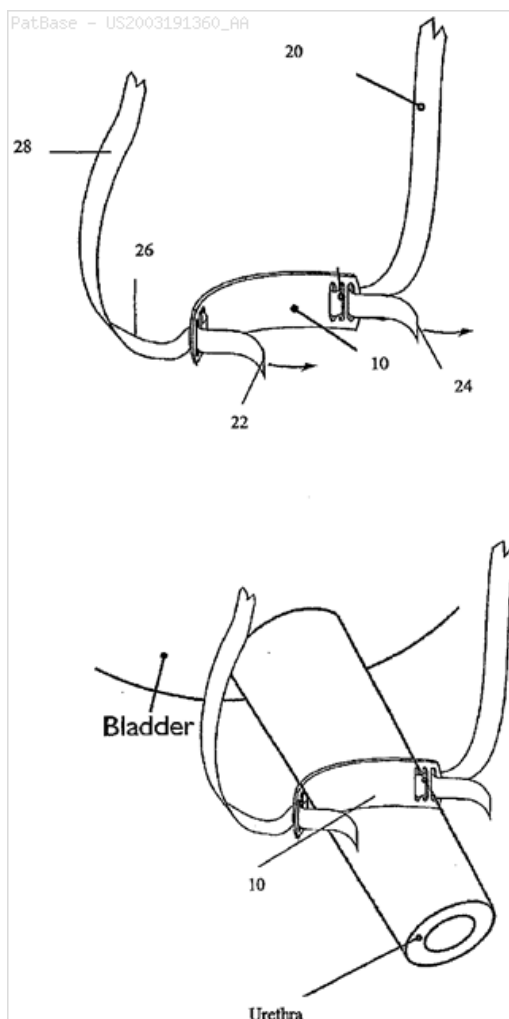
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Probable Assignee: COLOPLAST A S

Assignee(s): (std): BROWNING HEALTHCARE LTD ; BROWNING JAMES ; BROWNING J ; COLOPLAST AS ; GYNE IDEAS LTD ; GYNEIDEAS LTD ; COLORPLAST AS

Assignee(s): BROWNING HEALTHCARE LIMITED ; GYNE IDEAS LIMITED ; GYNEIDEAS LIMITED ; MPATHY MEDICAL DEVICES LTD ; COLORPLAST A S ; COLOPLAST A S

Inventor(s): (std): BROWNING JAMES ; BROWNING J

Inventor(s): JAMES BROWNING

Agent(s): GOWLING LAFLEUR HENDERSON LLP; MCNALLY ROISIN; POLO CARLOS; KUDIRKA AND JOBSE LLP; KIRKPATRICK AND LOCKHART PRESTON GATES ELLIS LLP, (FORMERLY KIRKPATRICK AND LOCKHART NICHOLSON GRAHA; KIRKPATRICK AND LOCKHART PRESTON GATES ELLIS LLP WAS KIRKPATRICK AND LOCKHART NICHOLSON GRAHAM; BURNS AND LEVINSON LLP; RONDA P; COLOPLAST CORP COLOPLAST A S; DANIEL G; NICHOLAS R; FAEGRE AND BENSON LLP; FAEGRE BAKER DANIELS LLP; COLOPLAST A/S; COLOPLAST A S; NICK; COLOPLAST CORP; COLORPLAST CORP COLORPLAST A S; MCNALLY R

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 YU ZA ZM ZW

4) Family number: 42244548 (US2002138025A)

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Title: MEDICAL SLINGS

Abstract: Source: US2002138025A A medical sling made from material that is suitably shaped for use in a medical application has sides, portions of which are smoothed to prevent abrasion of surrounding tissue.

Classifications:

International (IPC 8-9): A61B1/307 A61B17/00 A61B17/02 A61B17/03 A61B17/04 A61B17/06 A61B17/08 A61B17/10 A61B17/34 A61B17/58 A61B19/02 A61F13/00 A61F2/00 A61F2/02 A61F2/04 A61F2/08 A61F2/48 A61F5/00 A61F5/48 A61L17/00 A61L27/00 B23P13/00 (Advanced/Invention); A61B17/00 A61B17/04 A61B17/06 A61B17/34 (Advanced/Non-invention); A61B17/00 A61F2/00 A61F2/04 (Core/Invention); A61B17/04 A61B17/06 A61B17/34 (Core/Non-invention)

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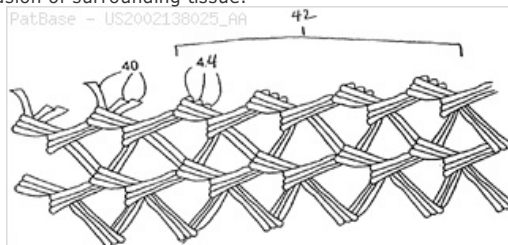
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: BOSTON SCIENTIFIC LIMITED

Assignee(s): (std): SCIMED LIFE SYSTEMS INC ; TAH RICHARD C ; RANERI JOSEPH JOHN ; WEISER MICHAEL FRANK ; LI JIANMIN ; MORIN ARMAND ; RANERI JOSEPH J ; MCGRATH MICHAEL G ; ROBERTSON DAVID WAYNE ; WEISER MICHAEL F ; TAH RICHARD ; SLANDA JOZEF ; MACLEAN BRIAN CHARLES ; SCIMED LFE SYSTEMS INC ; BOSTON SCIENT LTD ; BOSTON SCIENT LTD A CORP OF TH ; BOSTON SCIENT LTD AN IRISH CO ; BOSTON SCIENT SCIMED INC ; BOSTON SCIENTIFIC LIMITED ; INTOCCIA ALFRED ; GELLMAN BARRY N ; INTOCCIA ALFRED P ; CHU MICHAEL S H ; DAIGNAULT KENNETH J ; INTOCCIA JR ALFRED P ; MACLEAN BRIAN C

Assignee(s): CHU MICHAEL SH ; CHU MICHAEL S ; BOSTON SCIENTIFIC SCIMED INC ; BOSTON SCIENTIFIC LTD ; BOSTON SCIENTIFIC A OF REPUBLIC OF IRELAND CORP LTD ; INTOCCIA ALFRED P JR

Inventor(s): (std): ARMAND MORIN ; CHU MICHAEL S ; CHU MICHAEL S H ; GELLMAN BARRY ; INTOCCIA ALFRED ; INTOCCIA ALFRED P ; JIANMIN LI ; DAIGNAULT KENNETH J ; JOZEF SLANDA ; MAGRATH MICHAEL G ;

MCGARTH MICHAEL G ; MCGRATH MICHAEL G ; RANERI JOSEPH J ; RANERI JOSEPH JOHN ; RICHARD TAH ; ROBERTSON DAVID W ; TAH RICHARD C ; WEISER MICHAEL F ; WEISER MICHAEL FRANK ; TAH RICHARD ; SLANDA JOZEF ; MORIN ARMAND ; LI JIANMIN ; GELLMAN BARRY N ; MACLEAN BRIAN C ; MACLEAN BRIAN CHARLES ; ROBERTSON DAVID WAYNE ; INTOCCIA JR ALFRED P ; INTOCCIA ALFRED P JR

Inventor(s): MACLEAN BRIAN CHARLES ACTON ; BARRY N GELLMAN ; SLANDA JOZEF MILFORD ; ROBERTSON DAVID ; MCGRATH MICHAEL ; GELLMAN BARRY N NORTH EASTON ; MICHAEL G MCGRATH ; WEISER MICHAEL ; RANERI JOSEPH ; DAIGNAULT KENNETH ; CHU MICHAEL ; MCGRATH MICHAEL G HUDSON ; MICHAEL F WEISER ; MICHAEL G MCGARTH ; MICHAEL S ; MICHAEL S H CHU ; KENNETH J DAIGNAULT ; DAIGNAULT KENNETH J HOLDEN ; DAVID WAYNE ROBERTSON ; JOSEPH J RANERI ; CHU MICHAEL S H BROOKLINE ; CHU MICHAEL SH ; BRIAN CHARLES MACLEAN ; ALFRED INTOCCIA ; ALFRED P ; ALFRED P INTOCCIA

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; SMART AND BIGGAR; BERESKIN AND PARR LLP SENCRL SRL; BERESKIN AND PARR; PETERREINS SCHLEY PATENT U RECHTSANWAELTE; PFENNING MEINIG AND PARTNER MBB PATENTANWAELTE; PETERREINS FRANK; PETERREINS FRANK ET AL; PFENNING MEINIG AND PARTNER MBB; WILSON ALAN STUART; PATENT GROUP, ROPES AND GRAY LLP; PATENT GROUP ROPES AND GRAY LLP; FISH AND NEAVE IP GROUP, ROPES AND GRAY LLP; FISH AND NEAVE IP GROUP ROPES AND GRAY LLP; ROPES AND GRAY LLP; BINGHAM MCCUTCHEN LLP; BRAKE HUGHES BELLERMANN LLP

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 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

5) Family number: 32452009 (US2003045893A)

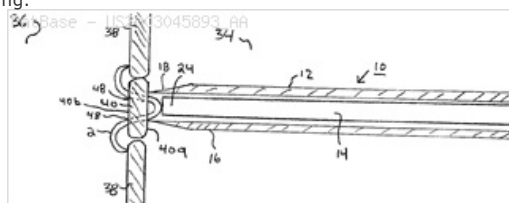
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Title: CLIP APPARATUS FOR CLOSING SEPTAL DEFECTS AND METHODS OF USE

Abstract: Source: US2003045893A A device for closing a septal defect, such as a patent foramen ovale, includes a clip formed from a superelastic material that is inserted into a septum wall of a heart. The clip is advanced through a patient's vasculature, e.g., within a delivery apparatus, until the clip is disposed within a first chamber adjacent the septal defect. Tines of the clip are directed through a flap of tissue of the septal defect until the tines of the clip are disposed within a second opposing chamber. The clip then transforms into its relaxed state, wherein the tines of the clip engage with a surface of the second chamber, thereby substantially closing the septal opening.

Classifications:

International (IPC 8-9): A61B1/04 A61B17/00 A61B17/03 A61B17/04 A61B17/06 A61B17/064 A61B17/068 A61B17/08 A61B17/10 A61B17/12 A61B17/28 A61B19/00 A61B8/12 A61D1/00 A61F2/00 A61F2/02 A61F2/84 A61M25/00 (Advanced/Invention); A61B17/00 A61B17/04 A61B17/06 A61B17/064 A61B17/08 A61B19/00 (Advanced/Non-invention); A61B1/04 A61B17/00 A61B17/03 A61B17/04 A61B17/28 A61B19/00 A61B8/12 A61D1/00 A61F2/00 A61F2/82 (Core/Invention); A61B17/04 A61B17/064 (Core/Non-invention)



International (IPC 1-7): A61B1/04 A61B17/00 A61B17/04 A61B17/06 A61B17/08 A61B17/10 A61B17/12 A61B8/12 A61D1/00

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Inventor(s): BELEF W ; W MARTIN BELEF ; WILLIAM GRAY ; RYAN ABBOTT ; RONALD J JABBA ; RAJIV DOSHI ; MARTIN W BELEF ; DEAN F CARSON ; PETER FITZGERALD ; PETER THORNTON ; RICHARD S GINN ; JAMES NIELSEN ; JOSEPH KARRATT ; DEAN CARSON ; JABBA RONALD

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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

6) Family number: 32099125 (US2003225344A)

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Title: APPARATUS AND METHOD TO ACCESS THE BONE MARROW FOR ONCOLOGY AND STEM CELL APPLICATIONS

Abstract: Source: US2003225344A An apparatus for removing portions of bone marrow from a bone is provided. The apparatus includes a housing and a hollow drive shaft operable to engage a gear assembly. The hollow drive shaft includes a first end operable to penetrate the bone and a second end operable to allow retrieval of portions of bone and bone marrow. The apparatus also includes a removable trocar. The removable trocar includes an inner channel operable to convey portions of bone and bone marrow. The gear assembly is able to engage and rotate the hollow drive shaft. A motor operable to drive the hollow drive shaft into the bone marrow by rotation of the hollow drive shaft and a power supply and associated circuitry operable to power the motor are also included.

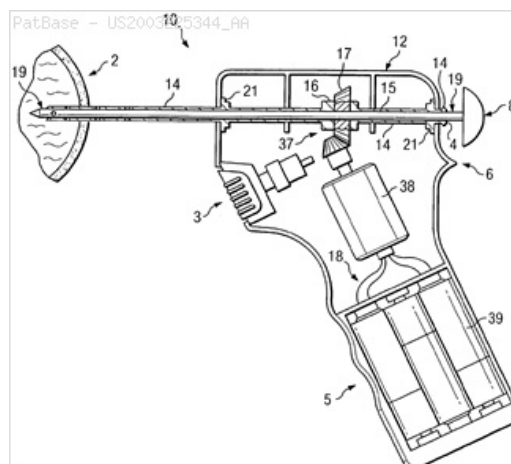
Classifications:

International (IPC 8-9): A61B1/00 A61B10/00 A61B10/02 A61B17/00 A61B17/10 A61B17/14 A61B17/16 A61B17/32 A61B17/3205 A61B17/34 A61B17/56 A61B17/58 A61B17/72 A61B17/88 A61B19/00 A61B19/02 A61B19/08 A61B19/10 A61B46/00 A61B46/10 A61B5/103 A61B5/153 A61B50/30 A61B50/33 A61B90/00 A61F2/46 A61F5/00 A61M1/00 A61M1/06 A61M25/00 A61M25/06 A61M31/00 A61M39/10 A61M5/00 A61M5/14 A61M5/145 A61M5/158 A61M5/168 A61M5/20 A61M5/24 A61M5/31 A61M5/315 A61M5/32 A61M5/34 A61M5/46 A61N1/30 B23G1/46 B23P17/04 B25B23/16 B25G1/00 B65D33/00 F41A17/46 F41A17/50 F41A17/52 F41A17/54 (Advanced/Invention); A61B10/00 A61B10/02 A61B17/00 A61B17/064 A61B17/068 A61B17/16 A61B17/32 A61B17/3205 A61B17/34 A61B17/92 A61B19/00 A61B19/02 A61M1/00 A61M5/158 A61M5/168 A61M5/20 A61M5/24 A61M5/31 A61M5/315 A61M5/32 A61M5/34 A61M5/46 (Advanced/Non-invention); A61B1/00 A61B10/00 A61B10/02 A61B17/00 A61B17/03 A61B17/16 A61B17/32 A61B17/34 A61B19/00 A61F5/00 A61M31/00 A61M5/00 A61M5/14 A61M5/20 A61M5/31 A61M5/46 B23P17/00 B65D33/00 (Core/Invention); A61B10/00 A61B10/02 A61B17/00 A61B17/16 A61B17/88 A61B19/00 A61M1/00 (Core/Non-invention); A61B (Subclass/Invention)

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Family:



Publication number	Publication date	Application number	Application date
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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 YU ZA ZM ZW

7) Family number: 30563274 (US2005010293A)

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Title: DISTRACTIBLE INTERSPINOUS PROCESS IMPLANT AND METHOD OF IMPLANTATION

Abstract: Source: US2005010293A Systems and method in accordance with embodiment of the present invention can includes a distractible implant comprising a distracting insert and a body having a first part and a second part adapted to be positioned between adjacent spinous processes of cervical vertebrae. The distracting insert can be inserted into cavities of the body, thereby urging apart the first part and second part, and distracting the adjacent spinous processes.

Classifications:

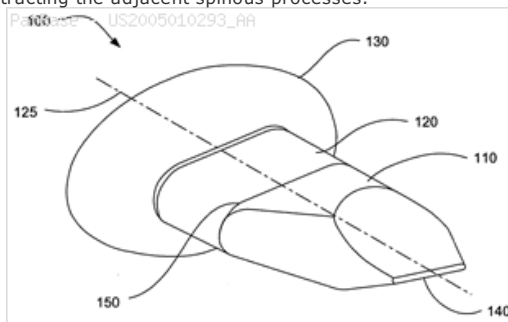
International (ipc 8-9): A61B17/56 A61B17/58 A61B17/70 A61B17/88 A61F2/30 A61F2/44 A61F5/00 A61M29/00 (Advanced/Invention); A61B17/70 A61B17/84 A61F2/30 A61F2/44 (Advanced/Non-invention); A61B17/56 A61B17/58 A61B17/70 A61F2/30 A61F2/44 A61F5/00 A61M29/00 (Core/Invention); A61F2/30 (Core/Non-invention); A61B (Subclass/Invention)

International (ipc 1-7): A61B17/56 A61B17/70 A61F2/44

CPC: A61B17/1757 A61B2017/00867 A61B17/7053 A61B17/7047 A61B17/7062 A61B17/7065 A61B17/7068 A61B17/842

European: A61B17/17S4 A61B17/70E A61B17/70P A61B17/70P4 A61B17/70P8 K61B17/00S12 K61B17/70C K61B17/84B

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Priority:

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Inventor(s): CHARLES J WINSLOW ; KLYEE HENRY ; HSU KEN ; HSU HENRY ; MITCHELL STEVEN ; MARKWART JOHN ; WINSLOW CHARLES ; HENRY A KLYCE ; ZUCHERMAN JAMES ; YERBY SOTT ; SCOTT A YERBY ; STEVE MITCHELL ; STEVEN T MITCHELL ; JAMES F ZUCHERMAN ; JOHN A MARKWART ; JOHN FLYNN ; JOHN J FLYNN ; KEN Y HSU ; MARKWART JAY

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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 KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

8) Family number: 31347806 (US2004222234A)

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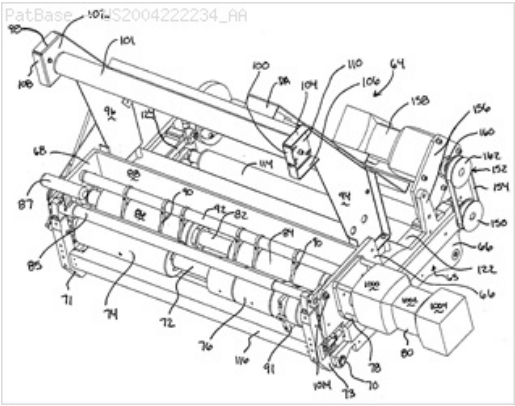
Title: MIXING MODULE DRIVE MECHANISM AND DISPENSING SYSTEM WITH SAME

Abstract: Source: US2004222234A A foam dispenser component drive mechanism which includes a foam dispenser component drive transmission comprising a crank and slide assembly, and wherein said drive transmission includes a transmission housing and the crank and slide assembly includes a crank pivotably supported by said housing and a slide assembly. The invention also features an apparatus for driving a reciprocating rod of a foam dispenser having a full retraction position and a full extension position relative to a mixing module of the dispenser, having a driver, a drive transmission system with said drive transmission system being arranged to coincide maximum rod reciprocation force application coincident with the full extension and full retraction positions of the reciprocating rod. The invention includes also a method for reciprocating a mixing module reciprocation component, including rotating a crank with a drive assembly, driving a slide assembly with the rotating crank so as to move in linear fashion, and moving the reciprocation component together with the slide assembly.

Classifications:

International (IPC 8-9): B05B13/06 B05C11/00 B29B7/76
B29C44/18 B29C44/34 B29C44/60 B30B15/04 B30B15/34
B65B51/10 B65B7/00 B65B9/00 B65B9/06 B65H16/04 B65H19/10
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H05B3/20 (Advanced/Invention);
B29C44/18 B29K75/00 B65B51/10 B65B51/30
B65B9/06 (Advanced/Non-invention);
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Publication number	Publication date	Application number	Application date
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Agent(s): THOMSON NEIL DAVID; THOMSON NEIL DAVID ET AL; SMITH GAMBRELL AND RUSSELL LLP; SMITH GAMBRELL AND RUSSELL

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 LK 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

9) Family number: 31521246 (US2005029978A)

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Title: MICROROBOT FOR SURGICAL APPLICATIONS

Abstract: Source: US2005029978A The present invention provides a micro-robot for use inside the body during minimally-invasive surgery. The micro-robot may include various sensors, imaging devices or manipulators.

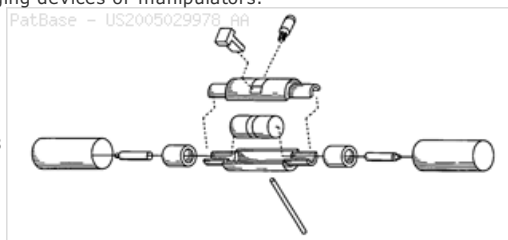
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Probable Assignee: UNIV NEBRASKA

Assignee(s): (std): BOARD OF UNIV OF NEBRASKA ; BOARD OF UNIV OF NABRASKA ; OLEYNIKOV DMITRY ; FARRITOR SHANE ; HADZIALIC ADNAN ; PLATT STEPHEN R ; DUMPERT JASON ; BOARD OR UNIVER ; LEHMAN AMY ; PLATT STEVE ; NEBRASKA SURGICAL SOLUTIONS IN ; BOCK ADAM ; FARRITOR SHANE M ; HAWKS JEFF ; PLATT STEPHEN A ; PLATT STEPHEN ; RENTSCHLER MARK ; UNIV NEBRASKA ; WOOD NATHAN A ; REGENTS FOR UNIV OF ; PRIOR REED ; VIRTUAL INCISION CORP ; UNIV NEBRASKA UNEMED BOARD OF REGENTS ; WOOD NATHAN ; UNIV OF NEBRASKA BOARD OF REGENTS

Assignee(s): VIRTUAL INCISION CORPN118 WALTER SCOTT ENGINEERING CENTERUNIVERSITY OF NEBRASKALINCOLNNE68588-0656US ; US ARMY SECRETARY OF ARMY ; VIRTUAL INC ; BOARD OF THE UNIV OF NEBRASKA ; BOARD OF REGENTS FOR UNIV NEBRASKA ; BOARD OF REGENTS FOR UNIV OF NEBRASKA ; BOARD OF REGENTS OF THE UNIV OF NEBRASKA ; BOARD OF UNIV ; BOARD OF UNIV NEBRASKA ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEA ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NEBRASKA SURGICAL SOLUTIONS INC ; BOARD OR UNIV NEBRASKA ; BOARD OR UNIV OF NEBRASKA ; BOARD OF UNIV OF NEBRASKA UNEMED ; BOARD OF UNIV OF NEBRASKA3835 HOLDREDGE STREETVARNER HALLLINCOLNNE68583-0745US ; BOARD OF UNIV OF NEBRASKAVARNER HALL3835 HOLDREDGE STREETLINCOLNNE68583US ; BOARD OF UNIV OF NEBRASKA LINCOLN ; BOARD OF UNIVERSITY OF NEBRASKA

Inventor(s): (std): DUMPERT JASON ; FARRITOR SHANE ; FARRITOR SHANE M ; BOCK ADAM ; HADZIALIC ADNAN ; HAWKS JEFF ; LEHRMAN AMY ; OKEYNIKOV DMITRY ; OLEYNIKOV DMITRY ; PLATT STEPHEN R ; PLATT STEVEN R ; PRIOR REED ; RENTSCHLER MARK ; RENTSCHLER MARK E ; WOOD NATHAN ; WOOD NATHAN A ; STEVE PLATT ; STEPHEN PLATT ; SHANE FARRITOR ; PLATT STEVE ; PLATT STEPHEN ; MARK RENTSCHLER ; LEHMAN AMY ; JEFF HAWKS ; JASON DUMPERT ; FARRITOR SHANE MICHAEL ; DMITRY OLEYNIKOV

Inventor(s): PLATT STEVEUS ; OLEYNIKOV DMITRYUS ; FARRITOR SHANEUS ; DUMPERT JASONUS ; WOOD NATHAN A PAPILLION ; WOOD NATHAN AUS ; LEHMAN AMYUS ; FARRITOR SHANE MUS ; BOCK ADAMUS ; RENTSCHLER MARK OMAHA ; RENTSCHLER MARKUS ; PRIOR REED WALTHAM ; PRIOR REEDUS ; LEHMAN AMY YORK ; BOCK ADAM SUN PRAIRIE ; FARRITOR SHANE M LINCOLN

Agent(s): RICHES MCKENZIE AND HERBERT LLP; COLLINS JOHN DAVID ET AL; BOULT WADE TENNANT; HYDEN MARTIN DOUGLAS; GRANT DAVID MICHAEL; COLLINS JOHN DAVID; BRISCOE PAUL BRIAN; ONDA HIRONORI; ONDA MAKOTO; MOSER PATTERSON AND SHERIDAN LLP SUITE 1500; LICATLA AND TYRRELL PC; LICATA AND TYRRELL PC; DORSEY AND WHITNEY LLP, INTELLECTUAL PROPERTY DEPARTMENT; DORSEY AND WHITNEY LLP INTELLECTUAL PROPERTY DEPARTMENT; FAEGRE AND BENSON LLP, PATENT DOCKETING; FAEGRE AND BENSON LLP PATENT DOCKETING; FAEGRE AND BENSON LLP,PATENT DOCKETING; FAEGRE AND BENSON LLP,PATENT DOCKETING - INTELLECTUAL PROPERTY; FAEGRE AND BENSON LLP PATENT DOCKETING INTELLECTUAL PROPERTY; PATTERSON AND SHERIDAN LLP; DORSEY AND WHITNEY LLP; PAEGRE AND BENSON LLP; FAEGRE AND BENSON LLP; DAVIS BROWN KOEHN SHORS AND ROBERTS PC; SEAN D; SOLBERG SEAN D; SOLBERG SEAN ET AL; SOLBERG SEAN 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 CM CN CO CR CU

10) Family number: 32843968 (US2006084982A)

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Title: SYSTEMS AND METHODS FOR POSTERIOR DYNAMIC STABILIZATION OF THE SPINE

Abstract: Source: US2006084982A Systems and devices for dynamically stabilizing the spine are provided. The systems include a superior component for attachment to a superior vertebra of a spinal motion segment and an inferior component for attachment to an inferior vertebral of a spinal motion segment. The interconnection between the two components enables the spinal motion segment to move in a manner that mimics the natural motion of the spinal motion segment. Methods are also provided for stabilizing the spine and for implanting the subject systems.

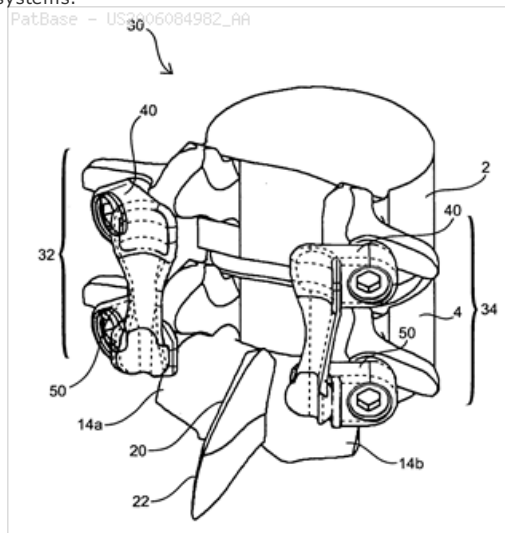
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS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

11) Family number: 32843822 (US2006084983A)

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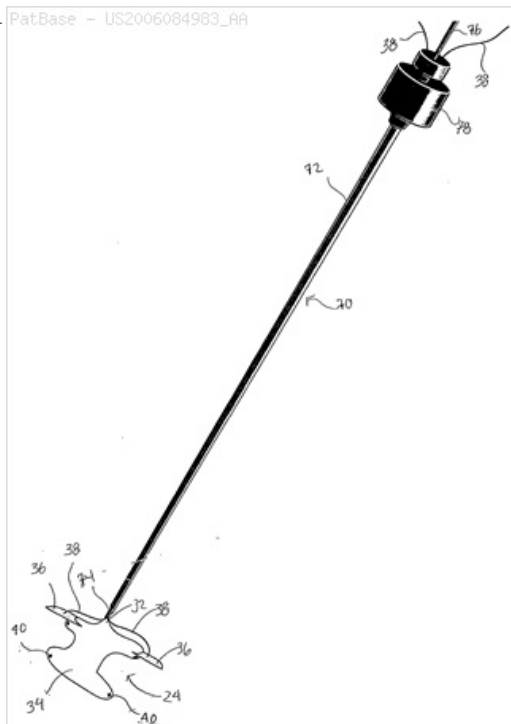
Title: SYSTEMS AND METHODS FOR POSTERIOR DYNAMIC STABILIZATION OF THE SPINE

Abstract: Source: US2006084983A Devices, systems and methods for dynamically stabilizing the spine are provided. The devices include an expandable spacer or member having an unexpanded configuration and an expanded configuration, wherein the expandable member in an expanded configuration has a size, volume and/or shape configured for positioning between the spinous processes of adjacent vertebrae in order to distract the vertebrae relative to each other. The systems include one or more expandable members and an expansion medium for injection within or for filling the interior of the expandable member via the port. The methods involve the implantation of one or more devices or expandable spacers.

Classifications:

International (IPC 8-9): A61B A61B17/00 A61B17/02 A61B17/062
A61B17/16 A61B17/17 A61B17/34 A61B17/56 A61B17/58
A61B17/66 A61B17/68 A61B17/70 A61B17/84 A61B17/86
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A61F2/02 A61F2/30 A61F2/44 A61F2/46 A61F5/00 A61F5/04
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A61F2/44 (Advanced/Non-invention);
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Inventor(s): YANG CHENG ; KADABA MURALI PUS ; TEBBE SHAWN CALIFORNIA ; TEBBE SHAWN OCEANSIDE ; TEBBE SHAWN PLACENTIA ; TEBBE SHAWNUS ; REGLOS JOEY CAMIAUS ; ROBERT GUTIERREZ ; SHAWN TEBBE ; J CHRISTOPHER FLAHERTY ; JOEY CAMIA REGLOS ; KIM DANIEL H CALIFORNIA ; KIM DANIEL H CARLSBAD ; KIM DANIEL H LOS ALTOS ; KIM DANIEL H MOUNTAIN VIEW ; KIM DANIEL H SAN CLEMENTE ; KIM DANIEL HUS ; MOTI ALTARAC ; MURALI P KADABA ; FLAHERTY CHRISTOPHER J TOPSFIELD ; FLAHERTY J ; CHENG YANGUS ; DANIEL H KIM ; ALTARAC MOTI CALIFORNIA ; ALTARAC MOTI IRVINE ; ALTARAC MOTI SAN CLEMENTE ; ALTARAC MOTIUS ; ALATARAC MOTI

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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 YU ZA ZM ZW

12) Family number: 33002799 (US2006102575A)

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Title: EQUIPMENT ENCLOSURE KIT AND ASSEMBLY METHOD

Abstract: Source: US2006102575A An equipment enclosure for housing electronic components includes a front assembly having a front frame, the front assembly defining a front of the enclosure, and a rear assembly having a rear frame. The enclosure further includes at least two side brace members, each side brace member having a first end and a second, opposite end. A first connector is configured to releasably connect the first end of one of the side brace members to the front frame. A second connector is configured to releasably connect the second end of the one of the side brace members to the rear frame. Other embodiments and methods are further disclosed.

Classifications:

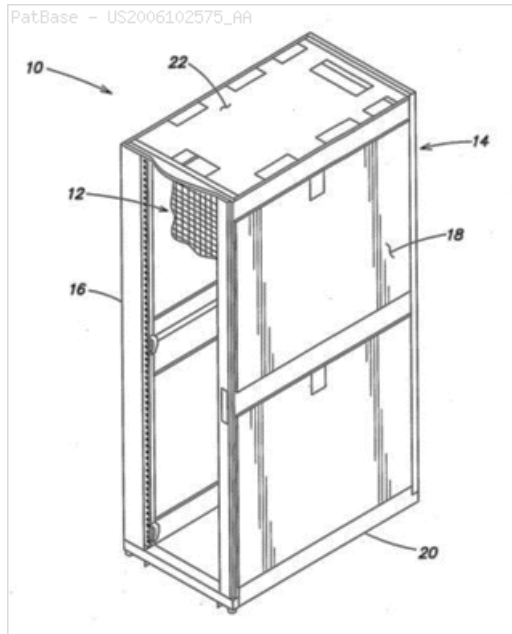
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F16M13/00 G06F1/18 H01R11/01 H01R13/02 H01R13/62 H05K5/02
H05K7/18 (Advanced/Invention);

A47B43/00 A47B47/00 A47B97/00 H05K7/18 (Core/Invention)

CPC: H05K5/0226 F16B7/044 H01R11/01 G06F1/181 G06F1/183
H05K7/183 Y10T403/4602 Y10T403/595 Y10T403/64

European: G06F1/18E G06F1/18S H05K7/18B H05K7/20 H05K7/20D

US: 211/189 211/192 211/192S 211/26 248/221.11 248/222.13
248/316.1 248/316.100S 248/346.3 248/558 312/140 312/223.1
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439/884

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: SCHNEIDER ELECTRIC IT CORP

Assignee(s): (std): BERGESCH JOSEPH H ; BRYAN DANIEL ; HORSTMANN TIMOTHY MICHAEL ; MATTLIN JEFFREY L ; MATTLIN JEFFREY LEE ; THOMAS KEVIN N ; SMITH PAUL T ; SPITAELS JAMES S ; THOMAS KEVIN NEIL ; SMITH PAUL THOMAS ; SCHNEIDER ELECTRIC IT CORP ; AMERICAN POWER CONV CORP

Assignee(s): AMERICAN POWER CONVERSION CORP

Inventor(s): (std): BERGESCH JOSEPH H ; BRYAN DANIEL ; HORSTMANN TIMOTHY M ; HORSTMANN TIMOTHY MICHAEL ; MATTLIN JEFFREY L ; MATTLIN JEFFREY LEE ; SMITH PAUL T ; SMITH PAUL THOMAS ; SPITAELS JAMES S ; THOMAS KEVIN N ; THOMAS KEVIN NEIL

Inventor(s): THOMAS KEVIN ; BERGESCH JOSEPH ; SPITAELS JAMES ; SMITH PAUL ; MATTLIN JEFFREY ; HORSTMANN TIMOTHY

Agent(s): LOWRIE LANDO AND ANASTASI; LOWRIE LANDO AND ANASTASI LLP; LANDO AND ANASTASI LLP

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 KM KN KP KR KZ LC LR LS LT LU LV LY MA MC MD MG MK ML MN MR MU MX NZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

13) Family number: 33473620 (US2006226095A)

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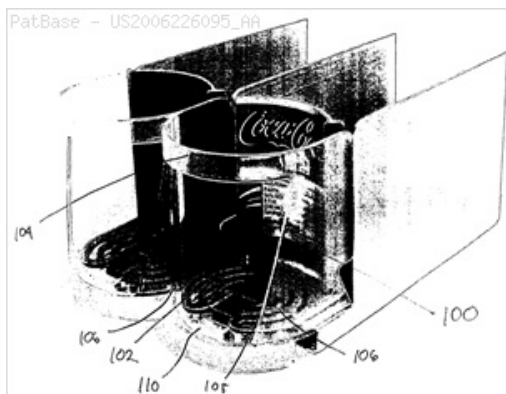
Title: PRODUCT MANAGEMENT DISPLAY SYSTEM WITH TRACKLESS PUSHER MECHANISM

Abstract: Source: US2006226095A A product management display system for merchandising product on a shelf includes using a trackless pusher mechanism that travels along a surface on which product is placed. The pusher mechanism of the invention also includes a pusher paddle and a floor that extends forward of the pusher paddle. A flat coiled spring or other biasing element may be operatively connected behind the pusher paddle and extend across the floor of the pusher mechanism and to the front of the shelf. In use, the product to be merchandised may be placed on the coiled spring and on the floor of the pusher mechanism. With this configuration, the pusher paddle is prevented from tipping or bending backwards during operation. The invention may be used with the merchandising of product on horizontal or non-inclined shelves or surfaces, as well as with gravity-fed systems, or systems that use gravity as a mechanism to urge product toward the front of the shelf.

Classifications:

International (IPC 8-9): A47B43/00 A47B45/00 A47B47/00
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A47G29/087 B42F7/12 B65D25/20 E05B73/00 G09F23/00

G09F3/20 (Advanced/Invention);
A47B57/58 A47B87/02 A47F1/04 A47F1/12 A47F7/28
B42F7/12 (Advanced/Non-invention);
A47F1/00 A47F3/00 A47F5/00 A47F7/00 B65D25/20 (Core/Invention);
A47F (Subclass/Invention)
International (IPC 1-7): A47F1/00 A47F1/00
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European: A47F1/12D1
US: 1/1 211/119.003 211/126.1 211/126.12 211/126.2 211/126.200S
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Publication number	Publication date	Application number	Application date
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Assignee(s): RTC IND INC ROLLING MEADOWS ; RTC IND ; RTC ; BANK OF AMERICA NA

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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 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

14) Family number: 34708595 (US2007151390A)

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Title: FORCE AND TORQUE SENSING FOR SURGICAL INSTRUMENTS

Abstract: Source: US2007151390A An apparatus, system, and method for improving force and torque sensing and feedback to the surgeon performing a telerobotic surgery are provided. Groups of axially oriented strain gauges are positioned on a distal end of an instrument shaft proximate a moveable wrist of a robotic surgical instrument to sense forces and torques at the distal tip of the instrument. Advantageously, errors due to changes in the configuration of the tip or steady state temperature variations are eliminated. Other advantageous configurations and methods are disclosed.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/002 A61B1/01 A61B1/018

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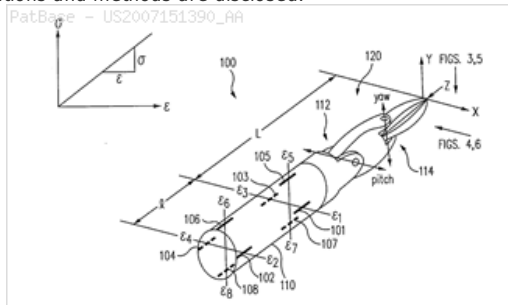
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Probable Assignee: INTUITIVE SURGICAL OPERATIONS

Assignee(s): (std): KUMAR RAJESH ; LILAGAN PAUL ; LILAGAN PAUL E ; SHAFER DAVID C ; ROGERS THEODORE W ; SCHENA BRUCE ; MCGROGAN ANTHONY K ; ROSA DAVID J ; WILLIAMS MATTHEW R ; MOHR CATHERINE J ; SCHENA BRUCE MICHAEL ; SCHENA BRUCE M ; MOHR CATHERINE ; MOHR PAUL W ; MUSTAFA TABISH ; MITRA PROBAL ; TOGNACCINI MARC E ; MUSTUFA TABISH ; BLUMENKRANZ STEPHEN J ; COOPER THOMAS G ; DIOLAITI NICOLA ; DUVAL EUGENE F ; GOMEZ DANIEL ; GOMEZ DANIEL H ; LARKIN DAVID Q ; INTULTIVE SURGICAL INC ; INTUITIVE SURGICAL INC ; INTUITIVE SURGICA INC ; LOCKYER BRETT J ; INTUITIVE SURGICAL OPERATIONS

Assignee(s): INTUITIVE SURGICAL OPERATIONS, INC.

Inventor(s): (std): DUVAL EUGENE F ; HALABE DANIEL J ; HASSER CHRISTOPHER J ; HOFFMAN BRIAN D ; HOFFMAN BRIAN DAVID ; ITKOWITZ BRANDON D ; KUMAR RAJESH ; LAKIN DAVID Q ; LARKIN DAVID ; LARKIN DAVID Q ; LOCKYER BRETT J ; MCGROGAN ANTHONY ; MCGROGAN ANTHONY K ; MINTZ DAVID ; MINTZ DAVID STEPHEN ; MOHR CATHERINE ; MOHR CATHERINE J ; MOHR PAUL W ; MUSTAFA TABISH ; NIXON THOMAS ; NIXON THOMAS ROBERT ; ROGERS THEODORE W ; BLUMENKRANZ STEPHEN J ; BRIAN DAVID HOFFMAN ; CATHERINE J MOHR ; COOPER THOMAS G ; DANIEL J HALABE ; DIMAIO SIMON ; DIMAIO SIMON P ; DIOLAITI NICOLA ; ROSA DAVID J ; SCHENA BRUCE ; SCHENA BRUCE M ; SCHENA BRUCE MICHAEL ; ANTHONY MCGROGAN ; SHAFER DAVID C ; WILLIAMS MATTHEW G ; WILLIAMS MATTHEW R ; ZHAO TAO ; ZHAO WENYI ; WENYI ZHAO ; TOGNACCINI MARC E ; TAO ZHAO ; SIMON DIMAIO ; MITRA PROBAL ; LILAGAN PAUL E ; LILAGAN PAUL ; LARKIN DVID Q ; GOMEZ DANIEL H ; GOMEZ DANIEL ; DANIEL GOMEZ ; TABISH MUSTAFA ; RAJESH KUMAR ; PROBAL MITRA ; NICOLA DIOLAITI ; MUSTUFA TABISH

Inventor(s): WILLIAMS MATTHEW ; BLUMENKRANZ STEPHEN ; SHAFER DAVID ; DUVAL EUGENE ; COOPER THOMAS ; ROSA DAVID

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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 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 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

15) Family number: 42649090 (US2008306513A)

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Title: SHAPED HORIZONTAL ROD FOR DYNAMIC STABILIZATION AND MOTION PRESERVATION SPINAL IMPLANTATION SYSTEM AND METHOD

Abstract: Source: US2008306513A A dynamic stabilization, motion preservation spinal implant system includes an anchor system, a horizontal rod system and a vertical rod system. The systems are modular so that various constructs and configurations can be created and customized to a patient.

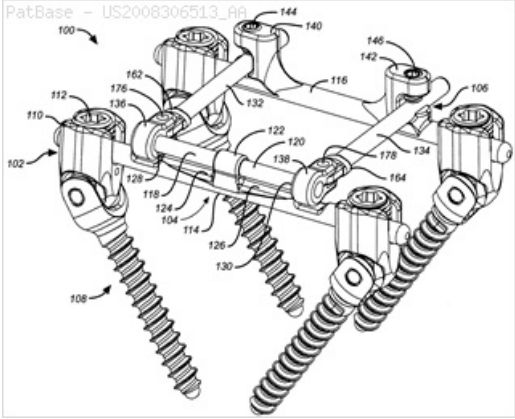
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Assignee(s): (std): HANNIBAL MATTHEW ; KLYCE H ADAM R ; KLYCE HENRY A ; HSU KEN Y ; MARKWART JAY A ; SPARTEK MEDICAL INC ; RINNER JAMES S ; MITCHELL STEVEN T ; CAIN DONALD L ; FLYNN JOHN F ; FLYNN JOHN J ; RINNER JAMES A ; KLYCE H ADAM ; SANOFI AVENTIS ; ZUCHERMAN JAMES F ; WINSLOW CHARLES J

Assignee(s): SPARTEK MEDICAL INC A CORP OF DELAWARE ; FOUNDERS SPINE RESEARCH LLC ; CITRIX SYSTEMS INC ; KLYCE H ; SPARTEK MEDICAL INC A CORP OF DE

Inventor(s): (std): CAIN DONALD L ; CAULFIELD THOMAS J ; CLEMENS JENNIFER ; FLYNN JOHN F ; FLYNN JOHN J ; FRANCIS ROBERT S ; FREED BRIAN S ; HANNIBAL MATTHEW ; HSU KEN Y ; JOHN STANLY ; KLYCE H ADAM ; KLYCE H ADAM R ; KLYCE HENRY A ; LE TIEU BINH ; MARKWART JAY A ; MITCHELL STEVEN T ; PEDGRIFT BRIAN ; RAMOS ANTONIO D ; RINNER JAMES A ; RINNER JAMES S ; ROSSE GERARD ; SMRCINA MARTIN ; WINSLOW CHARLES J ; WIRE WILLIAM ; ZHAO JIANHONG ; ZUCHERMAN JAMES F ; THORPE DAVID S

Inventor(s): TIEU BINH LE ; WILLIAM WIRE ; STANLY JOHN ; THOMAS J CAULFIELD ; ROBERT S FRANCIS ; MARTIN SMRCINA ; KLYCE H ; ANTONIO D RAMOS ; BRIAN PEDGRIFT ; BRIAN S FREED ; JENNIFER CLEMENS ; JIANHONG ZHAO ; GERARD ROSSE ; DAVID S THORPE

Agent(s): GOVER RICHARD PAUL ; CRAVEN IAN ; FLIESLER MEYER LLP ; MEYER SHELDON R 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 QA RO RS RU RW SC SD SE SG SI SK SL SM

16) Family number: 50963741 (US2014005683A)

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Title: HIGHLY ARTICULATED ROBOTIC PROBES AND METHODS OF PRODUCTION AND USE OF SUCH PROBES

Abstract: Source: US2014005683A A highly articulated robotic probe comprises an outer sleeve and an inner core. The outer sleeve and inner core include a plurality of links. The links of the outer sleeve and inner core are configured to pivot relative to one another. Various characteristics of the links determine the overall pivot angle of the articulated probe. Each of the plurality of links may have one or more channels. The channels form a semi-continuous passage from link to link and are configured to receive an elongated member such as an inner core, tool or cable. One or more cables may be used to control the outer links of the outer sleeve and the inner links of the inner core. Various characteristics of the cables determine the overall performance of the articulated probe.

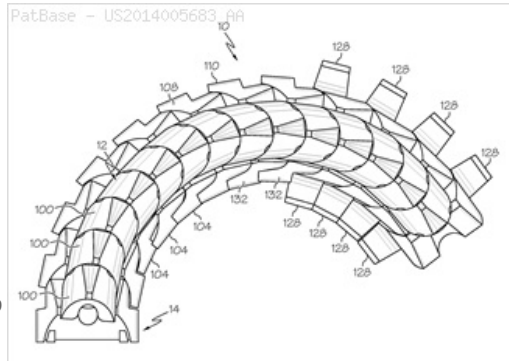
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK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

17) Family number: 51065154 (US2012110810A)

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Title: MEDICAL DEVICE WITH FEATURE FOR STERILE ACCEPTANCE OF NON-STERILE REUSABLE COMPONENT

Abstract: Source: US2012110810A An apparatus maintains the sterility of a medical device while providing for the insertion of an insertable component into the medical device. The apparatus includes a medical device having a housing sized to contain the insertable component, an active feature, a cap, and a hinge member. A container encases the medical device within a device recess, a cap recess, and a container cover. The insertable component may be inserted into the housing while limiting potential contact with the exterior of the medical device. An alternative assembly comprises an insertion assembly having a handle and the insertable component detachably attached thereto. The medical device comprises a housing, an active feature, and a flexible member. An insertion tube is insertable within the flexible member to limit contact when the insertable component is inserted into the housing. Yet another configuration includes a resiliently hinged door assembly releasable by a release button.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/064 A61B17/068

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A61B46/10 A61B50/30 A61B8/14 A61B90/00 A61B90/40 A61F9/02
A61N7/00 B23B37/00 B23Q3/00 B23Q5/00 B25B27/14 B65D83/10
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H01M10/46 H01M10/48 H01M10/50 H01M2/10 H01M2/26 H02J17/00
H02J7/00 H02J7/02 H04R31/00 (Advanced/Invention);
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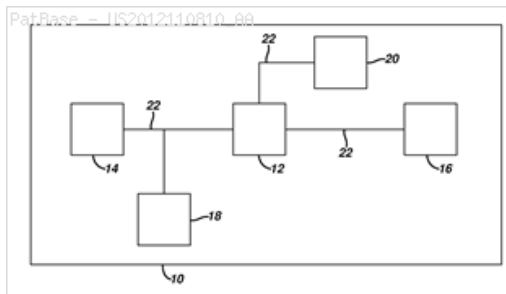
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Family:

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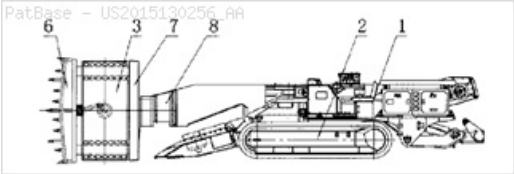
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS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

Abstract: Source: US2015130256A A rolling friction or suspension friction impact mining method and a wear-resistant impact mining machine using said method. The mining machine comprises a reciprocating impact part (3). The reciprocating impact part comprises an impact drive device (4), a rolling reciprocating device, and an impact head (6). The rolling reciprocating device comprises a rubbing body (38), a rubbing body support (39), an impact guiding element (5.1), and a position-limiting mechanism. The rubbing body (5.3) are disposed between the rubbing body support (39) and the impact guiding element (5.1), and inside of the position-limiting mechanism to form rolling guiding. The impact drive device is disposed with a damage-prevention mechanism, a rotary power buffer device, and a structural buffer device, such that the impact head reciprocatingly move and have rolling or suspending friction under the support of the impact guiding element, thereby preventing the damage-prevention force to damage a power drive device and a rolling channel guiding device, and preventing the impact vibration caused by the reciprocating impact part to affect the machine body and other parts. The overall stability is therefore enhanced, and the service life is extended.

Classifications:

International (IPC 8-9): E02F3/18 E02F3/22 E02F3/24 E02F3/28 E02F3/36 E02F3/38 E02F3/39 E02F3/96 E02F5/08 E02F5/30 E02F9/20 E21B E21B1/02 E21B1/14 E21B10/36 E21C E21C25/00 E21C25/02 E21C25/04 E21C25/08 E21C27/00 E21C27/01 E21C27/02 E21C27/12 E21C27/14 E21C27/20 E21C27/24 E21C27/28 E21C27/30 E21C27/46 E21C29/22 E21C31/00 E21C31/02 E21C31/04 E21C31/08 E21C31/10 E21C31/12 E21C35/00 E21C35/02 E21C35/04 E21C35/08 E21C35/18 E21C35/183 E21C35/19 E21C35/193 E21C35/197 E21C35/20 E21C35/22 E21C37/00 E21C47/06 E21D9/10 E21D9/12 E21F5/04 F02B65/00 F02B75/00 F02B75/40 F02F1/00 F02F1/18 F02F11/00 F02F3/00 F02F5/00 F03C1/28 F03C1/32 F04B17/04 F04B39/00 F04B39/12 F04B53/00 F04B53/14 F04B53/16 F15B15/14 F15B15/20 F16C29/04 F16C3/18 F16C32/04 F16C32/06 F16C33/30 F16C33/32 F16C33/34 F16C33/38 F16C33/46 F16C33/58 F16C33/78 F16C7/02 F16F15/04 F16H1/04 F16J1/00 F16J1/08 F16J10/02 F16J15/16 F16J15/32 F16J15/44 F16J15/56 F16N1/00 (Advanced/Invention); E21C27/12 E21C27/14 E21C31/10 (Core/Invention); E21C (Subclass/Invention)
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US: 277/305 29/434 299/10 299/113 299/18 299/39.2 299/56 299/69 37/189 74/11



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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 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

19) Family number: 60549968 (US2016009169A)

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Title: ELECTRICALLY MOTORIZED WHEEL

Abstract: Source: US2016009169A A system, method, and device for operations of an electrically motorized vehicle. The vehicle can utilize an electrically motorized wheel to convert a non-motorized wheeled vehicle to an electrically motorized wheeled vehicle. The electrically motorized wheeled vehicle includes a plurality of electrically motorized wheels, each of the plurality of electrically motorized wheels in communication with at least one other of the plurality of electrically motorized wheels to coordinate operation of the vehicle.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/11 A61G5/04 A63B21/005 A63B21/22 A63B22/06 A63B24/00 B60B1/02 B60B1/04 B60B27/00 B60B27/04 B60B30/00 B60B35/00 B60B35/12 B60B35/16 B60C5/00 B60C9/00 B60K7/00 B60L11/00 B60L11/18 B60L15/20 B60L3/00 B60L3/12 B60L7/00 B60L7/12 B60L9/00 B60Q5/00 B60Q9/00 B60R16/02 B60R25/04 B60R25/10 B60R25/20 B60W50/08 B61L25/02 B62B3/00 B62B5/00 B62M25/08 B62M6/45 B62M6/60 B62M6/80 B62M6/90 E05B49/00 E05B81/54 G01C21/36 G05D1/02 G06F9/445 G06Q50/10 G06Q50/30 G07C5/00 G07C5/02 G07C5/08 G07C9/00 G08G1/00 G08G1/01 G08G1/052 G08G1/123 G08G1/127 G08G1/13 H02J7/00 H02K11/00 H02K7/00 H02P29/00 H02P29/20 H02P3/06 H02P6/08 H04L29/08 H04M1/725 H04W4/00 (Advanced/Invention); B60W50/00 E05B47/00 (Advanced/Non-invention)

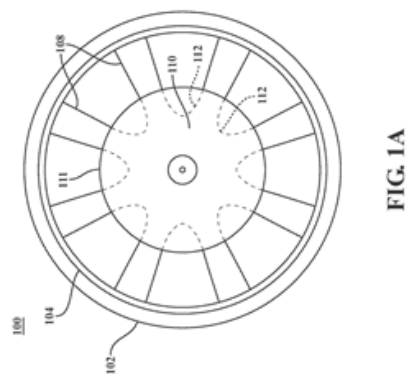
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK 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