

1) Family number: 57420025 (US2014277563A)

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Title: ARTICULATED COMMISSURE VALVE STENTS AND METHODS

Abstract: A support structure includes strut members interconnected by rotatable joints to form a series of linked scissor mechanisms. The structure can be remotely actuated to compress or expand its shape by adjusting the scissor joints within a range of motion. In particular, the support structure can be repositioned within the body lumen or retrieved from the lumen. The support structure can be employed to introduce and support a prosthetic valve within a body lumen.

Classifications:

International (IPC 8-9): A61F A61F2/08 A61F2/24 A61F2/82

A61F2/844 A61F2/95 (Advanced/Invention);

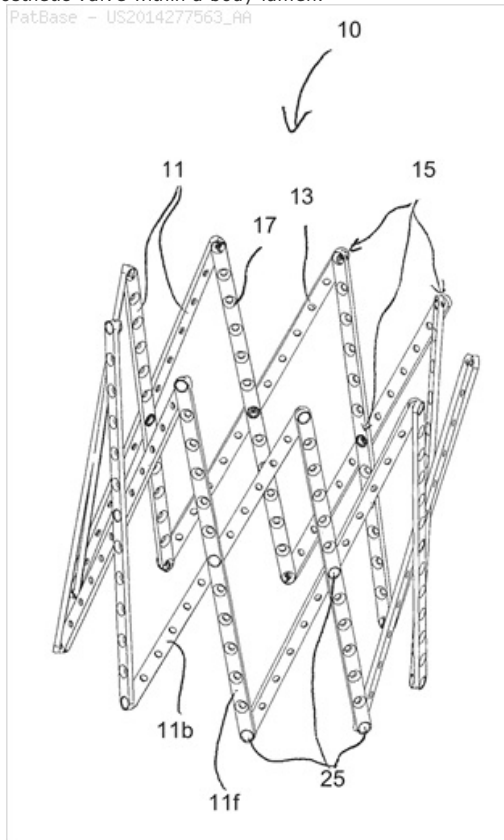
A61F2/24 A61F2/844 (Advanced/Non-invention)

CPC: A61F2/95 A61F2002/9511 A61F2230/001 A61F2/2412

A61F2/2418 A61F2/243 A61F2/82 A61F2/844 A61F2250/0069

US: 1/1 623/1.11 623/23.7

PatBase - US2014277563_AA



Family:

Publication number	Publication date	Application number	Application date
CA2905828 AA	20150911	CA20142905828	20140311
CN105517509 A	20160420	CN201480026879	20140311
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Priority:

US20130780670P 20130313 CN201480026879 20140311 US20140205301 20140311
WO2014US23788 20140311 US20160090499 20160404 US20180196221 20181120

Probable Assignee: EDWARDS LIFESCIENCES CARDIAQ LLC

Assignee(s): (std): EDWARDS LIFESCIENCES CARDIAQ LLC ; JENESIS SURGICAL LLC

Assignee(s): WHITE JENNIFER K

Inventor(s): (std): WHITE JENNIFER K

Agent(s): BORDEN LADNER GERVAIS LLP; PRICE NIGEL JOHN KING; SPRUSON AND FERGUSON ASIA PTE LTD; MORRISON AND FOERSTER LLP; KLARQUIST SPARKMAN LLP; KAISER ANNEMARIE; MOTOMURA AMY 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 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
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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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 43179026 (US2009105722A)

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Title: DEVICES AND METHODS FOR EMBOLUS REMOVAL DURING ACUTE ISCHEMIC STROKE

Abstract: Devices, methods, and systems facilitate and enable treatment of ischemic stroke. More specifically, a tethered basket-like system operates in conjunction with a microcatheter system, to provide arterial support and capture emboli.

Classifications:

International (IPC 8-9): A61B A61B17/00 A61B17/12 A61B17/22 A61B17/221 A61B17/24 A61B17/3207 A61D1/02 A61F2/01 A61F2/06 A61F2/82 A61F2/84 A61F2/89 A61F2/91 A61F2/95 A61F2/958 A61F2/966 A61L A61L27/54 A61L29/00 A61M25/00 A61M25/01 A61M25/06 A61M25/08 A61M25/088 A61M25/09 A61M25/098 A61M25/10 A61M25/18 A61M29/00 A61M29/02 B23P17/04 (Advanced/Invention);

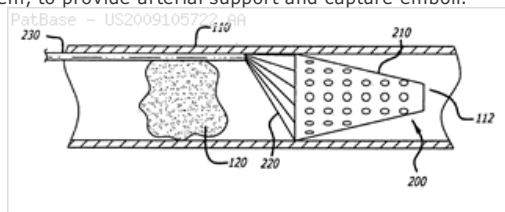
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A61B17/22 A61M25/00 A61M25/01 A61M25/08 A61M25/088 A61M25/09 A61M25/16 A61M29/02 B23P17/00 (Core/Invention)

CPC: A61M25/0009 A61M25/0021 A61M2210/0693 A61M25/1027 A61M2025/0046 A61M2025/1088 A61M25/10 A61M2025/0183 A61F2/95 A61F2002/91558 A61F2230/005 A61F2230/0054 A61B17/12022 A61B2017/1205 A61F2/90 A61F2002/823 A61M39/0613 A61B2017/00477 A61M39/10 A61M2039/0279 Y10T29/49826 A61F2/01 A61F2230/0091 A61F2230/0093 A61B17/22031 A61B17/3207 A61B2017/00845 A61B2017/22038 A61B2017/22082 A61F2250/0059 A61M29/02 A61M2025/1095 A61M2025/1097 A61M25/104 A61M2025/0681 A61M2025/09133 A61M2025/1052 A61B17/320783 A61F2002/016 A61F2230/0069 A61F2230/0076 A61F2230/0097 A61B17/12118 A61B17/1214 A61B17/320725 A61B2017/00309 A61B2017/00867 A61B2017/22001 A61B2017/22034 A61B2017/22079 A61B2017/2215 A61B2017/32096 A61B2090/3966 A61F2/91 A61F2/915 A61M25/0074 A61M2025/0042 A61F2/82 A61B17/221 A61B2017/22039 A61B2017/22094 A61B2017/2212 A61F2/013 A61F2002/018 A61F2230/0006 A61F2230/0067 A61M25/09 A61M25/09025

European: A61B17/12P A61B17/12P5B1S A61B17/12P7C A61B17/221 A61B17/3207 A61B17/3207E A61F2/01 A61F2/01D A61F2/82 A61F2/915 A61M2/500S1 A61M2/509 A61M25/00G A61M25/00R A61M25/09 A61M25/09B1 A61M25/10 A61M25/10G A61M29/02 A61M39/06D A61M39/10 K61B17/00E3G4C K61B17/00K K61B17/00S12 K61B17/00S4P K61B17/221 K61B17/221C K61B17/221P K61B17/22A K61B17/22G K61B17/22G1 K61B17/22L K61B17/22T K61B17/3207 K61B17/3207S K61B19/54P K61F2/01D K61F2/91 K61F2/915G2 K61F250/00W1 K61M211/52 K61M25/00R3 K61M25/00S1C K61M25/01M K61M25/10Z20 K61M25/10Z23 K61M25/10Z24 K61M39/02T16

US: 1/1 29/428 29/428S 604/103 604/103.02 604/103.020S 604/103.04 604/103.040P 604/103P 604/509 604/509P 604/523 604/523S 604/533 604/533S 604/96.01 604/96.010P 606/113 606/127 606/127P 606/159 606/159P 606/191 606/194 606/194P 606/194S 606/198 606/198P 606/198S 606/200 606/200P 606/200S 623/1.11 623/1.110S 623/1.12 623/1.15 623/1.2



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Assignee(s): (std): CRAGG ANDREW ; CRAGG ANDREW H ; FERRERA DAVID ; FERRERA DAVID A ; FERRERE DAVID ; FULKERSON JOHN ; INTERSECT PARTNERS LLC ; LUCE FORWARD HAMILTON 7 SCRIPP ; RIZK ISA ; SOSNOWSKI STEPHEN ; SOSNOWSKI STEPHEN A ; BENJAMIN JOSHUA ; MINDFRAME INC ; COVIDIEN LP

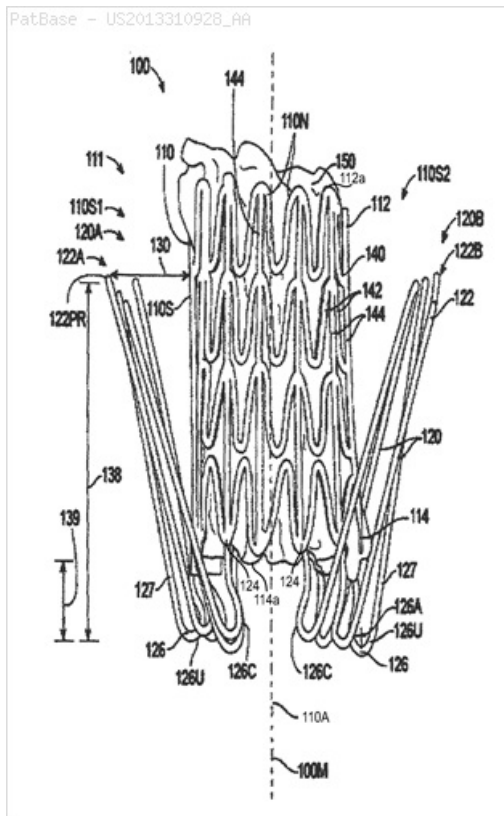
Inventor(s): (std): ANDREW H CRAGG ; CRAGG ANDREW ; FERRERA DAVID ; FERRERE DAVID ; JOSHUA BENJAMINN ; RIZK ISA ; SOSNOWSKI STEPHEN ; SOSNOWSKI STEPHEN A ; JOHN FULKERSON ; DAVID A FERRERA ; FULKERSON JOHN ; FERRERA DAVID A ; CRAGG ANDREW H ; BENJAMIN JOSHUA

Agent(s): PETER MAXWELL AND ASSOCIATES; SPRUSON AND FERGUSON; SMART AND BIGGAR;
PATENTANWALTSKANZLEI MEYER; HERNANDEZ YORCK DIPL ING; KEHOE LAURA ELLEN; CREASE
DEVANAND JOHN; ELSY DAVID; DE ELZABURU ALBERTO; LAZCANO JESUS; ORIENTAL INTELLECTUAL
PROPERTY SERVICES CO; GREENBERG TRAURIG LLP; GREENBERG TRAURIG LLP (LA); LUCE FORWARD
HAMILTON AND SCRIPPS LLP; KNOBBE MARTENS OLSON AND BEAR LLP; MARK J; MARY; FORTEM IP
LLP; FOX MARY; GLUCK PETER J; BENTLEY MARK I; BENTLEY MARK I ET AL; CHRISTENSEN MICHAEL 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 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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN VA ZM ZW

Abstract: Prosthetic heart valve devices for percutaneous replacement of native heart valves and associated systems and method are disclosed herein. A prosthetic heart valve device configured in accordance with a particular embodiment of the present technology can include an expandable support having an outer surface and configured for placement between leaflets of the native valve. The device can also include a plurality of asymmetrically arranged arms coupled to the expandable support and configured to receive the leaflets of the native valve between the arms and the outer surface. In some embodiments, the arms can include tip portions for engaging a subannular surface of the native valve.

International (c.8-9): A61F2/06 A61F2/24 (Advanced/Invention)
CPC: A61F2/2403 A61F2/2409 A61F2/2418 A61F2/2445 A61F2/2457
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US: 1/1 623/2.12 623/2.17 623/2.18 623/2.19 623/2.38

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: FOUNDRY NEWCO XII INC

Assignee(s): (std): DEEM MARK ; DUERI JEAN PIERRE ; FANN JAMES L ; GIFFORD HANSON III ; GITTINGS DARRIN ; GRAINGER JEFFREY J ; LUNA MICHAEL ; MORRISS JOHN ; SUTTON DOUGLAS ; TWELVE INC ; FOUNDRY NEWCO XII INC

Assignee(s): GRAINGER JEFFREY J

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 TI TM TN TR TT TZ UA UG UY UZ VC VN VA ZM ZW

Abstract: The present invention provides novel molecules, compositions, methods and uses for treating microvascular disorders, eye diseases and respiratory conditions based upon inhibition of the RTP801 gene and/or protein.

Pat.Base - US2006217329 A8

Patent Application Publication No. 2006/0217820 A1

Figure 1

Human RTP801 polynucleotide (SEQ ID NO:1)

[illegible]

CPC: A01K2217/058 A01K2267/0362 A61K39/39541 C12N15/113 C12N2310/14 C12N2310/321 A61K31/713 A61K45/06 C07H21/02 A61P11/00 A61P11/06 A61P11/08 A61P13/12 A61P25/00 A61P25/02 A61P27/00 A61P27/02 A61P27/06 A61P31/00 A61P9/00 A61P9/14 A61P35/00 A61P43/00

European: A61K39/395C1 C12N15/113 K01K217/05B2

European: A01K39/395C1 C12N13/115 K01K21/705B2
K01K267/03K2 M12N310/14 M12N310/321
US: 424/145.1 424/158.1 424/172.1 514/44 514/44A 514/44R
536/24.1 536/24.5

Publication number	Publication date	Application number	Application date
AP200703921 A0	20070228	AP20070003921	20050816
AU2005277508 AA	20060302	AU20050277508	20050816
AU2005277508 BB	20110414	AU20050277508	20050816
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EP2319925 A3	20110921	EP20110153604	20050816
EP2319925 B1	20180725	EP20110153604	20050816
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IN258358 B	20140103	IN2007DN01967	20070314

JP2008510019 T2	20080403	JP20070527969T	20050816
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US8642571 BB	20140204	US20120601554	20120831
WO06023544 A2	20060302	WO2005US29236	20050816
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ZA200701364 A	20080430	ZA20070001364	20070215

Priority:

EP20040019405	20040806	EP20040019405	20040816	US20040601983P	20040817
US20040604668P	20040825	US20040609786P	20040914	US20040638659P	20041222
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WO2005US29236	20050816	US20050207119	20050816	WO2005US29236	20070315
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Probable Assignee: QUARK BIOTECH INC

Assignee(s): (std): SILENT TREAT CO LTD ; SILENCE THERAPEUTICS GMBH ; SILENCE THERAPEUTICS ; SILENCE THERAPEUTIC AG ; SILENCE THERAPEUTICS AG ; QUARK PHARMACEUTICALS INC ; QUARK BIOTECH INC ; JORG KAUFMANN ; GIESE KLAUS ; FEINSTEIN ELENA ; ELENA FEINSTEIN ; ATUGEN AG ; KLAUS GIESE ; KAUFMANN JORG

Assignee(s): KAUFMANN JOERG ; SILENT TREATMENT CO ; PFIZER INC ; SILENCE THERAPEUTICS (AKTIENGESELLSCHAFT) AG ; QUARK PHARMACEUTICALS INC ; QUARK PHARMACEUTICALS INC FREMONT ; SILENCE THERAPEUTICS AKTIENGESELLSCHAFT AG ; SILENCE THERAPEUTICS AKTIENGESELLSCHAFT

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Inventor(s): KAUFMANN JOERG C O ATUGEN AG ; J AND 247 RG KAUFMANN ; KLAUS GIESE AND JORG KAUFMANN

Agent(s): ALLENS PATENT AND TRADE MARK ATTORNEYS; ALLENS ARTHUR ROBINSON PATENT AND TRADE MARKS ATTORNEYS; SIM AND MCBURNEY; PATENTANWALTSKANZLEI MEYER; ALMOND MARTIN CAROL; CLT PATENT AND TRADEMARK HK LTD; JMB DAVIS BEN DAVID; QBI ENTERPRISES LTD; LUZZATTO AND LUZZATTO; COOPER AND DUNHAM LLP; JOHN P

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 KP KR KZ LC LI LK LR LS LT LU LV 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

5) Family number: 33698043 (US2009280153A)

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Title: ELECTRICAL DEVICES, ANTI-SCARRING AGENTS, AND THERAPEUTIC COMPOSITIONS

Abstract: Electrical devices (e.g., cardiac rhythm management and neurostimulation devices) for contact with tissue are used in combination with an anti-scarring agent in order to inhibit scarring that may otherwise occur when the devices are implanted within an animal.

Classifications:

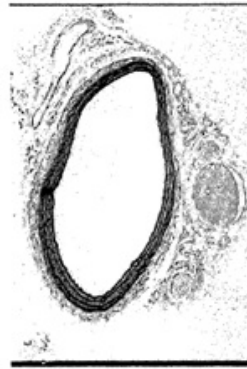
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A61F2/00 A61F2/02 A61K31/335 A61K31/66 A61M25/16 A61M31/00 A61N1/00 C07D471/00 (Core/Invention)

CPC: A61K31/665 A61L2300/406 A61L2300/41 A61L2300/414 A61L2300/45 A61L2300/604 A61L2300/606 A61M5/14276 A61L29/16 A61N1/3956 A61N1/3605 A61N1/3629 A61L27/54 A61L31/16 A61L2300/40 A61N1/37

European: A61K31/665 A61L29/16 A61M5/142P10 K61L300/40 K61L300/406 K61L300/410 K61L300/414 K61L300/450 K61L300/604 K61L300/606 K61N1/37

US: 424/423 424/423P 514/450 514/450S 607/2 607/2S



Uninjured carotid artery - Rat balloon injury model

Fig. 1

Family:

Publication number	Publication date	Application number	Application date
US2009280153 AA	20091112	US20060919274	20060331
WO06121518 A2	20061116	WO2006US11610	20060331
WO06121518 A3	20070111	WO2006US11610	20060331
WO06121521 A2	20061116	WO2006US11690	20060331
WO06121521 A3	20070111	WO2006US11690	20060331
WO06121522 A2	20061116	WO2006US11726	20060331
WO06121522 A3	20080502	WO2006US11726	20060331
WO06135479 A2	20061221	WO2006US13030	20060331
WO06135479 A3	20070412	WO2006US13030	20060331

Priority:

US20050679291P 20050510 US20050679292P 20050510 US20050679293P 20050510
 US20050679962P 20050510 WO2006US11610 20060331 US20060919274 20060331

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; HUTCHINSON ANNE ; LAKHANI FARA ;
 LIGGINS RICHARD T ; ANGIOTECH INT AG ; ANGIOTECH INTERNAT AG ; LOSS TROY A E ; MAITI
 ARPITA ; MCDONALD JONES GAYE ; SIGNORE PIERRE E ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Assignee(s): ANGIOTECH INT ; LOSS TROY AE ; ANGIOTECH INTERNATIONAL AG ; LOSS TROY A

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; HUTCHINSON ANNE ; LAKHANI FARA ;
 LIGGINS RICHARD T ; MAITI ARPITA ; MCDONALD JONES GAYE ; SIGNORE PIERRE E ; TAKACS COX
 ANIKO ; TOLEIKIS PHILIP M ; LOSS TROY A E

Inventor(s): LOSS TROY AE ; LOSS TROY A

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

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 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

6) Family number: 52365047 (US2012290067A)

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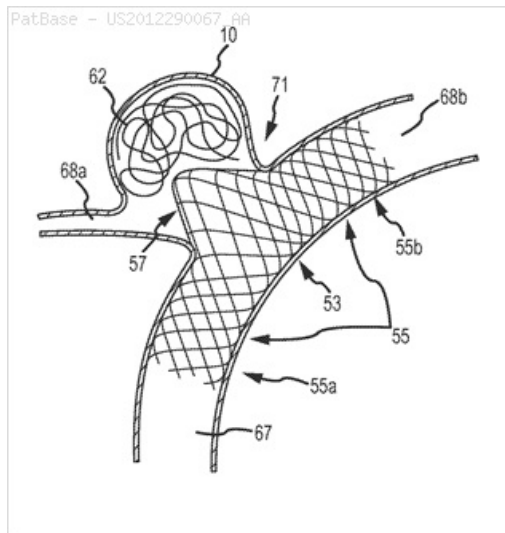
Title: VASCULAR REMODELING DEVICE

Abstract: Described herein are flexible implantable devices or stents that can conform to the shape of vessels of the neurovasculature. In some embodiments, the devices can direct blood flow within a vessel away from an aneurysm or limit blood flow to the aneurysm. In some embodiments, a vascular remodeling device includes a first section and a protruding section. During deployment, the device expands from a compressed configuration to an expanded configuration. The first section anchors the device in an afferent vessel and/or in an efferent vessel of a bifurcation and the protruding section is positioned in the junction of the bifurcation having an aneurysm and across the neck of the aneurysm or at least partially within the aneurysm.

Classifications:

International (IPC 8-9): A61B17/12 A61B17/221 A61F2/06 A61F2/07
 A61F2/82 A61F2/84 A61F2/844 A61F2/86 A61F2/90 A61F2/915
 A61F2/94 A61F2/95 A61F2/954 A61F2/966
 B23P17/00 (Advanced/Invention);
 A61F2/82 (Advanced/Non-invention)

CPC: A61B17/12031 A61B17/12118 A61B17/1214 A61B17/12172
 A61F2/90 A61F2/915 A61F2002/823 A61F2240/001 A61F2250/0039
 A61F2230/0076 Y10T29/4998 A61F2/07 A61F2/844 A61F2/86
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European: K61F2/82R K61F240/00M K61F250/00N19
US: 1/1 29/527.1 623/1.11 623/1.12 623/1.15 623/1.2 623/1.3

**Family:**

Publication number	Publication date	Application number	Application date
AU2012253583 AA	20121115	AU20120253583	20120509
AU2012253583 BB	20140925	AU20120253583	20120509
BR112013028603 A2	20170117	BR20131128603	20120509
CN103547222 A	20140129	CN201280022573	20120509
CN103547222 B	20160210	CN201280022573	20120509
DE602012026014 D1	20170105	DE201260026014T	20120509
EP2706926 A1	20140319	EP20120722598	20120509
EP2706926 B1	20161130	EP20120722598	20120509
US2012290067 AA	20121115	US20120469214	20120511
US2015209133 AA	20150730	US20150611647	20150202
US2016302797 AA	20161020	US20160192150	20160624
US2019069900 AA	20190307	US20180178174	20181101
US8956399 BB	20150217	US20120469214	20120511
US9402712 BB	20160802	US20150611647	20150202
US10123804 BB	20181113	US20160192150	20160624
WO12154782 A1	20121115	WO2012US37022	20120509

Priority:

US20110485063P	20110511	EP20120722598	20120509	WO2012US37022	20120509
US20120469214	20120511	US20150611647	20150202	US20160192150	20160624
US20180178174	20181101				

Probable Assignee: COVIDIEN LP**Assignee(s):** (std): CAM ANH ; COVIDIEN LP ; LOSORDO MICHAEL LOUIS ; MA JIANLU ; TYCO HEALTHCARE ; ZHAO XIAOLING**Assignee(s):** COVIDIEN LP MANSFIELD ; TYCO HEALTHCARE GROUP LP**Inventor(s):** (std): CAM ANH ; LOSORDO MICHAEL LOUIS ; MA JIANLU ; ZHAO XIAOLING ; LOSORDO MICHAEL**Inventor(s):** XIAOLING ZHAO ; MICHAEL LOUIS LOSORDO ; JIANLU MA ; ANH CAM**Agent(s):** SPRUSON AND FERGUSON; ELSY DAVID; MARK J; FORTEM IP LLP; FOX MARY; KERTZ MARK 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 SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**7) Family number: 45000050 (US2010204560A)**

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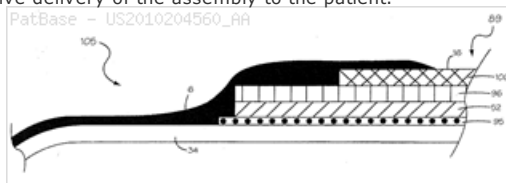
Title: LOW PROFILE ELECTRODE ASSEMBLY

Abstract: A tissue electrode assembly includes a membrane configured to form an expandable, conformable body that is deployable in a patient. The assembly further includes a flexible circuit positioned on a surface of the membrane and comprising at least one base substrate layer, at least one insulating layer and at least one planar conducting layer. An electrically-conductive electrode covers at least a portion of the flexible circuit and a portion of the surface of the membrane not covered by the flexible circuit, wherein the electrically-conductive electrode is foldable upon itself with the membrane to a delivery conformation having a diameter suitable for minimally-invasive delivery of the assembly to the patient.

Classifications:

International (IPC 8-9): A61B A61B1/00 A61B1/04 A61B1/05 A61B1/06 A61B1/313 A61B17/00 A61B17/22 A61B17/94 A61B18/00 A61B18/04 A61B18/12 A61B18/14 A61B18/18 A61B19/00 A61B34/20 A61B5/00 A61B5/01 A61B5/04 A61B5/0402 A61B5/0408 A61B5/042 A61B5/0478 A61B5/0492 A61B5/053 A61B5/103 A61B8/00 A61B8/12 A61B90/00 A61B90/92 A61M A61M25/01 A61M25/04 A61M25/06 A61M25/10 A61M29/02 A61N A61N1/05 A61N1/06 A61N1/32 A61N1/372 A61N5/02 (Advanced/Invention);

A61B1/05 A61B17/00 A61B17/22 A61B18/00 A61B18/02 A61B18/12 A61B18/18 A61B34/10 A61B34/20 A61B5/00 A61B5/01 A61B5/053 A61B90/00 A61B90/30 A61M25/01 A61M25/04 A61M25/06 A61N1/05 A61N5/02 (Advanced/Non-invention); A61B18/14 A61B5/04 A61B5/0408 A61N1/05 (Core/Invention); A61B18/00 (Core/Non-invention); A61B A61M (Subclass/Invention)

CPC: A61B8/445 A61B8/4494 A61B2018/00363 A61B2218/007 A61B2018/1273 A61B2018/00714 A61B2018/00178

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Family:

Publication number	Publication date	Application number	Application date
AU2009314159 AA	20100520	AU20090314159	20091111
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AU2014251039 AA	20151022	AU20140251039	20140408
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Probable Assignee: SHIFAMED HOLDINGS LLC

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Inventor(s): BRIAN BRANDT ; P JOHN CLAUDE

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SPRUSON AND FERGUSON; FETHERSTONHAUGH AND CO; SMART AND BIGGAR; PRICE NIGEL JOHN KING; GRAY JAMES; ZIMMERMANN AND PARTNER PATENTANWALTE MBB; PFENNING MEINIG AND PARTNER MBB; PONS ANGEL; JUAN ARIAS SANZ; WILKINSON AND GRIST; HK PAT IP LTD; GLOBAL IP AGENT CO LTD; KOBAYASHI YASUSHI; TOMITA HIROYUKI; ONO SHINJIRO; HOSHINO OSAMU; OHTSUKA SUMIE; ONDA HIRONORI; ONDA MAKOTO; TAKEUCHI SHIGEO; YAMAMOTO OSAMU; TAGAMI YASUKO; NAKANISHI MOTOHARU; MIYAMAE TORU; OKTAY SIMSEK; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; SHAY GLENN LLP; FAEGRE BAKER DANIELS LLP; HERNANDEZ FRED C ET AL; ZLOGAR THOMAS M ET AL; MELLO JOHN PAUL 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 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

8) Family number: 30396054 (US2004133226A)

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Title: METHOD AND APPARATUS FOR RAPID DEPLOYMENT CHEST DRAINAGE

Abstract: Devices and methods are disclosed for achieving chest drainage in humans or other animals. Chest drainage is often required following traumatic injury or surgery. The devices and methods disclosed herein are especially useful in the emergency, trauma surgery or military setting. The devices utilize a chest tube with a cutting distal end and a central blunt trocar. The blunt trocar or obturator shields the sharp cutting distal end of the chest tube until controllably retracted. Once the blunt trocar or obturator is retracted, the chest tube is advanced out through its sterile, protective package and into the patient. The blunt trocar is advanced back into its position to shield the sharp tip of the chest tube during patient insertion. The chest tube also includes a hold-down mechanism that is created by an adhesive seal to the patient's chest and ribbons or straps that are wrapped around the chest tube once it is correctly positioned. The straps include adhesive ends to grip the chest tube once the straps are in place.

Classifications:

International (IPC 8-9): A61B17/08 A61B17/10 A61B17/12 A61B17/122 A61B17/128 A61B17/20 A61B17/34 A61M1/00

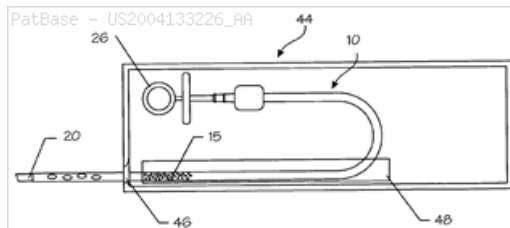
A61M25/00 B65D81/18 (Advanced/Invention);
A61B17/12 A61M1/00 (Advanced/Non-invention);
A61B17/20 A61B17/34 A61M1/00 A61M25/00 (Core/Invention);
A61M1/00 (Core/Non-invention);
A61B A61H (Subclass/Invention)

International (IPC 1-7): A61B17/08 A61B17/20 A61H A61M1/00 A61M25/00

CPC: A61B17/32093 A61B17/3415 A61B17/3417 A61B17/3421 A61B17/3439 A61B2017/3407 A61B2017/3409 A61M25/002 A61M25/007 A61M27/00 A61M2025/0233 A61M2025/026 A61M2025/0266 A61B2217/005 A61M1/008 A61B17/083 A61B17/08 A61B17/10 A61B17/122 A61B17/1227 A61B17/128 A61B2017/12004 Y10T24/44376

European: A61B17/08 A61B17/10 A61B17/122 A61B17/128 A61B17/34E A61M27/00 K61B17/122S K61B17/12H K61B17/3209F K61B17/34D1B K61B17/34D1D K61B17/34G K61B17/34G4 K61B17/34G4H K61B217/00Q16 K61M1/00T K61M25/00P K61M25/00T10C K61M25/02B3 K61M25/02E1 K61M25/02F

US: 206/339 206/339S 24/499 604/163 604/164.01 604/174 604/22 604/22P 604/22S 604/500 604/54 604/540 604/540S 604/604 606/138 606/138P 606/142 606/142S 606/157 606/157P 606/167 606/167P



Family:

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Priority:

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Probable Assignee: DAMAGE CONTROL SURGICAL TECHNOLOGIES INC

Assignee(s): (std): DAMAGE CONTROL SURGICAL TECHNO ; LENKER JAY A ; KOLEHMAINEN DONALD J ; BUCKMAN ROBERT F ; DAMAGE CONTROL SURGICAL TECHNOLOGIES INC

Inventor(s): (std): BUCKMAN ROBERT F ; KOLEHMAINEN DONALD J ; LENKER JAY A

Inventor(s): ROBERT F BUCKMAN ; LENKER JAY ; DONALD J KOLEHMAINEN ; JAY A LENKER ; KOLEHMAINEN DONALD ; BUCKMAN ROBERT

Agent(s): JAY A LENKER; CROCKETT AND CROCKETT; CROCKETT ESQ K DAVID; K DAVID

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 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 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 UZ VC VN YU ZA ZM ZW

9) Family number: 64856057 (US2017035445A)

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Title: AXIAL LENGTHENING THROMBUS CAPTURE SYSTEM

Abstract: Disclosed herein are systems and methods to remove material of interest, including blood clots, from a body region, including but not limited to the circulatory system for the treatment of pulmonary embolism (PE), deep vein thrombosis (DVT), cerebrovascular embolism, and other vascular occlusions.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/22 A61B17/221 A61B17/32 A61B17/3207 A61F2/00 A61F2/01 A61M1/00 A61M25/00 A61M25/10 A61M29/00 (Advanced/Invention);

A61B17/00 A61B17/22 A61B17/32 A61F2/01 (Advanced/Non-invention)

CPC: A61B2017/2215 A61F2002/018 A61F2230/0091 A61F2250/0003

A61F2250/0039 A61B2017/22069 A61B2017/320024 A61M25/1006

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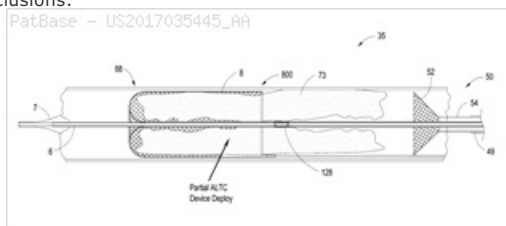
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US: 1/1 606/110 606/115 606/159



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: KP MEDCURE INC

Assignee(s): (std): KP MEDCURE INC

Inventor(s): (std): NGO TUNG ; NGUYEN THANH ; NGUYEN THANH VAN ; NGUYEN DUY ; NGO TUNG HOANG ; NGO TUNG H

Agent(s): GILL JENNINGS AND EVERY LLP; KNOBBE MARTENS OLSON AND BEAR LLP; ALTMAN DANIEL E

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

10) Family number: 45555058 (US2010161036A)

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Title: QUICK-CONNECT PROSTHETIC HEART VALVE AND METHODS

Abstract: A heart valve prosthesis that can be quickly and easily implanted during a surgical procedure is provided. The prosthetic valve has a base stent that is deployed at a treatment site, and a valve component configured to quickly connect to the base stent. The base stent may take the form of a self- or balloon-expandable stent that expands outward against the native valve with or without leaflet excision. The valve component has a non-expandable prosthetic valve and a self- or balloon-expandable coupling stent for attachment to the base stent, thereby fixing the position of the valve component relative to the base stent. The prosthetic valve may be a commercially available valve with a sewing ring and the coupling stent attaches to the sewing ring. The system is particularly suited for rapid deployment of heart valves in a conventional open-heart surgical environment. A catheter-based system and method for deployment is provided.

Classifications:

International (IPC 8-9): A61F A61F2/24 A61F2/82 A61F2/848

A61M29/00 A61M29/02 A61M39/22 (Advanced/Invention);

A61F2/24 A61F2/82 A61M29/00 A61M39/00 (Core/Invention);

A61F (Subclass/Invention)

International (IPC 1-7): A61F2/24 A61M29/00 A61M39/22

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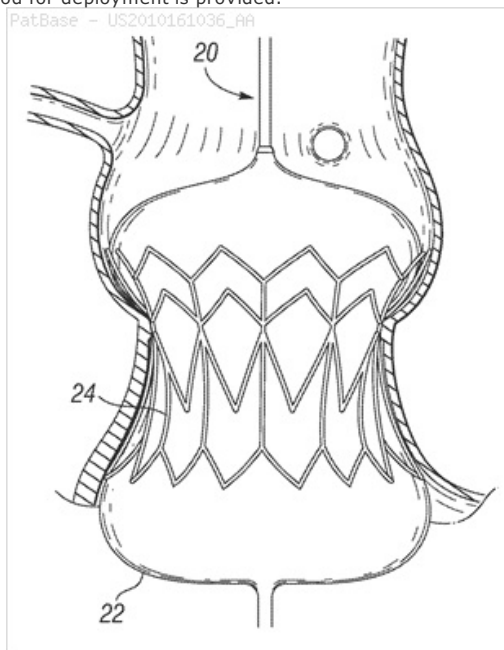
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Probable Assignee: EDWARDS LIFESCIENCES CORP

Assignee(s): (std): CAMPBELL LOUIS ; CHAU MARK ; CRISTEA CAREY ; EDWARDS LIFESCIENCES CORP ; HUNTLEY TAMMY ; KALAM FAISAL ; OBA TRAVIS ; PINTOR RAFAEL ; YAMBAO AUGUST ; ZENG QINGGANG

Inventor(s): (std): AUGUST YAMBAO ; CAMPBELL LOUIS ; CAMPBELL LOUIS A ; CAMPBELL LOUIS L ; CAREY CRISTEA ; CHAU MARK ; CHAU MARK M ; CRISTEA CAREY ; CRISTEA CAREY C ; CRISTEA CAREY L ; FAISAL KALAM ; HUNTLEY TAMMY ; HUNTLEY TAMMY T ; KALAM FAISAL ; KALAM FAISAL F ; LOUIS CAMPBELL ; MARK CHAU ; OBA TRAVIS ; OBA TRAVIS T ; OBA TRAVIS ZENYO ; PINTOR RAFAEL ; PINTOR RAFAEL R ; QINGGANG ZENG ; RAFAEL PINTOR ; TAMMY HUNTLEY ; TRAVIS OBA ; YAMBAO AUGUST ; YAMBAO AUGUST A ; YAMBAO AUGUST R ; ZENG QINGGANG ; ZENG QINGGANG Q ; ZENG QINGGANG ; ZENG QINGGANG

Agent(s): PETER MAXWELL AND ASSOCIATES; SPRUSON AND FERGUSON; STIKEMAN ELLIOTT SENCRL SRL LLP; AUERBACH JONATHAN N; EISENFUEHR SPEISER AND PARTNER; EISENFUEHR SPEISER; ORIENTAL INTELLECTUAL PROPERTY SERVICES CO; EDWARDS LIFESCIENCES CORP; ANNEMARIE; GUY; PUI TONG; CUMBERBATCH GUY; YADAV RAJIV 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 NA NE NG NI NL NO 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

11) Family number: 33096062 (US2009306755A)

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Title: APPARATUS AND METHOD FOR MAINTAINING FLUID FLOW THROUGH BODY PASSAGES

Abstract: A device (10) for maintaining fluid flow through at least one passage in a human or animal body, the device comprising two end portions (12, 14) for anchoring the device in position, and an intermediate portion (16) which allows movement of the end portions relative to each other, wherein the end portions and intermediate portion together define a pathway for fluid flow through the device. The device is particularly suitable for use in the treatment of coronary heart disease by minimally invasive surgery, and the invention extends to a method for diverting fluid flow from one passage to another.

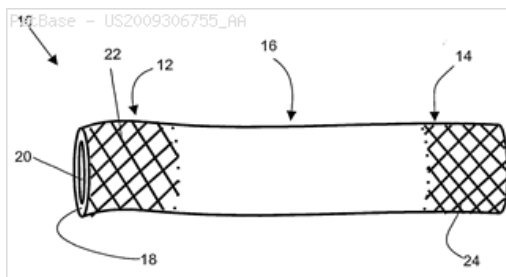
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European: A61F2/07 K61F2/07B K61F250/00N2

US: 1/1 604/8 606/108 606/153 623/1.13 623/1.14 623/1.15 623/1.16 623/1.3 623/1.300P 623/1.36 623/1.360S



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Probable Assignee: LIMFLOW GMBH

Assignee(s): (std): DICKINSON ROBERT JULIAN ; JAIN AJAY KUMAR ; LIMFLOW GMBH ; PACEY ANDREW ROBERT ; ROTHMAN MARTIN TERRY ; SITE SPECIFIC THERAPIES LTD ; LENIHAN TIMOTHY ; KUM STEVEN ; FERRARESI ROBERTO ; ABBOTT CARDIOVASCULAR SYSTEMS

Inventor(s): (std): DICKINSON ROBERT JULIAN ; JAIN AJAY KUMAR ; MARTIN TERRY ROTHMAN ; PACEY ANDREW ROBERT ; ROBERT JULIAN DICKINSON ; ROBERTO FERRARESI ; ROTHMAN MARTIN TERRY ; TIMOTHY LENIHAN ; ANDREW ROBERT PACEY ; LENIHAN TIMOTHY ; KUM STEVEN ; KUM STEPHEN ; FERRARESI ROBERTO

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Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING LAFLEUR HENDERSON LLP; C6 PATENT GROUP INC OPERATING CARBON PATENT GROUP AS; CREASE DEVANAND JOHN ET AL; CREASE DEVANAND JOHN; TACHIBANA KENJI; TANAKA JUNYA; AMICA LAW LLC; DINSMORE AND SHOHL LLP; KNOBBE MARTENS OLSON AND BEAR LLP; ALTMAN DANIEL E

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

12) Family number: 64773080 (US2017021128A)

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Title: URETERAL AND BLADDER CATHETERS AND METHODS OF INDUCING NEGATIVE PRESSURE TO INCREASE RENAL PERFUSION

Abstract: Ureteral catheters and assemblies are provided including: a drainage lumen including a proximal portion configured to be positioned in at least a portion of a patient's urethra and a distal portion configured to be positioned in a patient's ureter and/or kidney, the distal portion including a coiled retention portion including at least a first coil having a first diameter and a second coil having a second diameter, the first diameter being less than the second diameter; or wherein the retention portion extends radially outwardly from a portion of the distal end of the drainage lumen portion, the retention portion including a proximal end having a first diameter, a distal end having a second diameter, and a wall and/or surface extending therebetween, the retention portion having a second diameter is greater than the first diameter when deployed; or wherein the retention portion includes a plurality of drainage tubes.

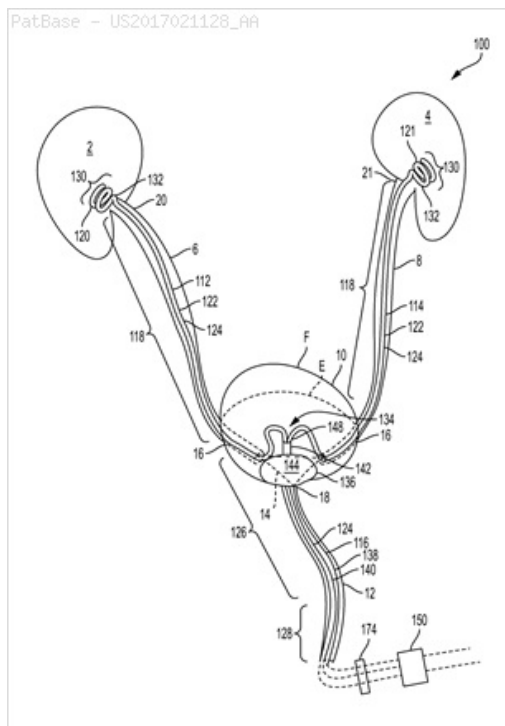
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International (IPC 1-7): A61M25/00 A61M27/00

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US: 1/1 604/544 604/9



Family:

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Priority:

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US20190662536	20191024	US20190670249	20191031	US20190696026	20191126

Probable Assignee: STRATACA SYSTEMS LTD

Assignee(s): (std): STRATACA SYSTEMS LLC ; STRATACA SYSTEMS LTD ; STRATACA SYSTEMS LTD ; STRATAKA SISTEMZ LTD MT

Assignee(s): STRATAKA SISTEMZ MT LTD ; UPPERCO JACOB L ; STRATAKA SISTEMZ LTD ; BLACK LANCE MICHAEL ; ERBEY JOHN R II ; FISHER MICHAEL ALLEN ; ORR DAVID E ; STRANE PATRICK WILLIAM ; STRATACA GROUP

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; FISHER MICHAEL ALAN ; FISHER MICHAEL ; FISHER MAJKL ALLEN ; ERBI DZHON R II ; ERBEY JOHN ; ERBEY II JOHN ; PATRICK WILLIAM STRANE ; MICHAEL ALLEN FISHER ; LANCE MICHAEL BLACK ; JOHN R ERBEY II ; JACOB L UPPERCO ; ERBEY JOHN R ; ERBEY II R JOHN ; BLEK LENS MAJKL ; BLACK LANCE ; APPERKO DZHEJKOB L ; UPPERCO L JACOB UPPERCO L ; ERBEY II R ; DAVID E ORR ; UPPERCO JACOB L ATLANTA ; FISHER MICHAEL ALLEN LAWRENCEVILLE ; STRANE PATRICK WILLIAM ATLANTA ; JACOB UPPERCO L ; JOHN ERBEY II R ; JOHN R II ERBEY ; ERBEY JOHN R II MILTON ; BLACK LANCE MICHAEL PEARLAND

Inventor(s):

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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

13) Family number: 67135105 (US2017281375A) © PatBase

Title: INTRAVASCULAR IMPLANTS

Abstract: A radially expandable, tubular stent, includes a first section having a first crush resistance force and a second section have a second crush resistance force, wherein the first crush resistance force is less than the second crush resistance force. The first section is connected to the second section to form a tube, connection of the first and second sections extending in an axial direction of the tube.

Classifications:

International (IPC 8-9): A61F A61F2/848 A61F2/89 A61F2/915

A61F2/93 (Advanced/Invention);

A61F2/93 (Advanced/Non-invention)

CPC: A61F2210/0014 A61F2230/0023 A61F2230/0069 A61F2/848

A61F2/89 A61F2002/8483 A61F2/915 A61F2/93 A61F2002/91566

A61F2002/91575 A61F2230/0008 A61F2250/001 A61F2250/0015

A61F2250/0018 A61F2250/0029 A61F2250/0036 A61F2250/0037 A61F2250/0039 A61F2250/0098

US: 1/1 623/1.2

PatBase - US2017281375-AA



Family:

Publication number	Publication date	Application number	Application date
AU2017241911 AA	20180823	AU20170241911	20170328
CA3018182 AA	20180917	CA20173018182	20170328
EP3435930 A1	20190206	EP20170716717	20170328
HK40003553 A1	20200417	HK20190126739	20190712
JP2019513074 T2	20190523	JP20190503392T	20170328
US2017281375 AA	20171005	US20170471980	20170328
US2018116833 AA	20180503	US20170852192	20171222
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WO17172823 A1	20171005	WO2017US24614	20170328

Priority:

US20160316128P 20160331 US20170471980 20170328 WO2017US24614 20170328
US20170852199 20171222 US20170852192 20171222

Probable Assignee: VESPER MEDICAL INC

Assignee(s): (std): VESPER MEDICAL INC

Assignee(s): HARRISON WILLIAM JAMES ; KORKUCH CHRISTOPHER N ; LONGO MICHAEL A ; SANDER THEA ROSE

Inventor(s): (std): HARRISON WILLIAM JAMES ; KORKUCH CHRISTOPHER N ; LONGO MICHAEL A ; SANDER THEA ROSE

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; BELLONI GIANCARLO; MARKS AND CLERK; UNIUS PATENT ATTORNEYS OFFICE; RUDICH REBECCA G 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

14) Family number: 72078108 (US2018339131A) © PatBase

Title: CATHETER DELIVERY DEVICES, SYSTEMS, AND METHODS

Abstract: A system can include a handle and a needle fixedly secured to the handle. The needle can include a distal tip that can be inserted through a sidewall of a vessel of a patient. The system can further include a catheter that defines a lumen through which the needle extends and includes an engagement surface at an interior thereof. A cannular stiffener can be positioned within the lumen of the catheter at an exterior of the needle and can include an engagement surface that can press distally on the engagement surface of the catheter to advance the catheter distally over the needle and through a lumen of the vessel when the stiffener is advanced distally over the needle. The system can further include a stiffener hub attached to the stiffener, the stiffener hub being movably coupled with the handle so as to translate relative thereto. The stiffener hub can be configured to move distally relative to the handle from a retracted position to a deployed position to advance the stiffener and the catheter over the needle and to a target depth within the lumen of the vessel as the handle is held stationary relative to the vessel.

Classifications:

International (IPC 8-9): A61M25/00 A61M25/01

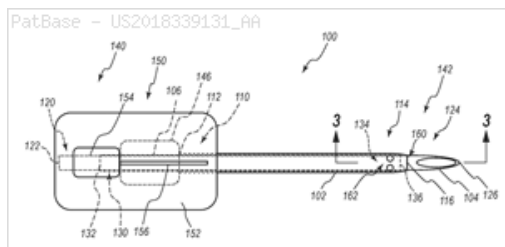
A61M25/06 (Advanced/Invention)

CPC: A61M25/0026 A61M25/0068 A61M25/0014 A61M25/001

A61M25/0082 A61M25/0045 A61M25/008 A61M25/0097

A61M25/0102 A61M25/0606 A61M25/0631 A61M25/0693

A61M25/065

**Family:**

Publication number	Publication date	Application number	Application date
■ CN110891640 A	20200317	CN201880042285	20180526
■ EP3630257 A1	20200408	EP20180805782	20180526
■ KR20200014344 A	20200210	KR20197038287	20180526
■ US2018339131 AA	20181129	US20180992144	20180529
■ WO18218236 A1	20181129	WO2018US34788	20180526

Priority:

US20170511900P 20170526 US20180619535P 20180119 US20180641475P 20180312
 WO2018US34788 20180526 US20180992144 20180529

Probable Assignee: PIPER ACCESS LLC**Assignee(s):** (std): PIPER ACCESS LLC**Inventor(s):** (std): MUSE JAY ; COOK KEVIN JERRY ; COOK KEVIN**Agent(s):** CSY HERTS; HIGGS DANIEL C

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

15) Family number: 54837116 (US2016158052A)

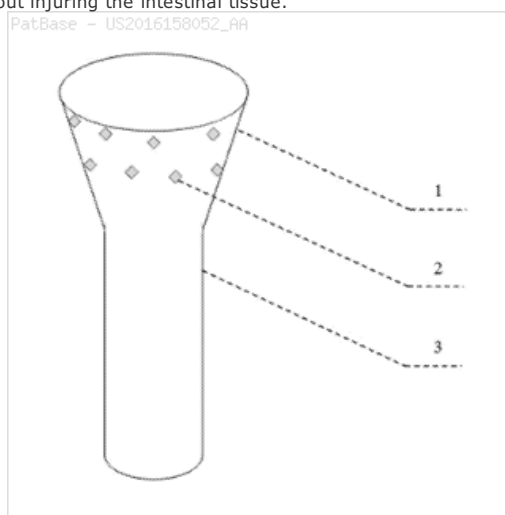
© PatBase

Title: MEDICAL DEVICE AND APPLICATION THEREOF

Abstract: A duodenal internal covering membrane is disclosed herein. The covering membrane is made of a biocompatible biodegradable or non-biodegradable material and/or hydrophobic material and mainly comprises an elastic ampulla and a tubular portion. The ampulla contains biocompatible bionic microarray adhesive piece capable of realizing strong adhesion through a force exerting direction without pricking into an intestinal tissue and capable of being easily detached and recovered. The adhesive piece has good stability, strong adaptability to material and appearance, good self-cleaning property, no injuries and pollution to the intestinal tissue and can be adhered and detached repeatedly. The adhesive piece can realize mutual support with other parts in the functions. When contents in the intestinal duct move, because there is no traction force which is nearly perpendicular, the internal covering membrane cannot be detached. When the duodenal bulb expands, as the internal covering membrane has no opposite traction force which is nearly perpendicular, the internal covering membrane cannot be detached either. When recovery is performed, the detachment and recovery can be easily realized by force exerting which is nearly perpendicular. The duodenal internal covering membrane can be prepared into a medical device for preventing and treating obesity and diabetes without injuring the intestinal tissue.

Classifications:**International (IPC 8-9):** A61F2/04 A61F2/82

A61F5/00 (Advanced/Invention)

CPC: A61F5/0076**US:** 604/8**Family:**

Publication number	Publication date	Application number	Application date
■ AU2014292687 AA	20160310	AU20140292687	20140612
■ AU2014292687 BB	20170420	AU20140292687	20140612
■ CA2918492 AA	20160115	CA20142918492	20140612
■ CN103315835 A	20130925	CN201310301366	20130718
■ CN103315835 B	20150513	CN201310301366	20130718
■ GB201602663 A0	20160330	GB20160002663	20140612
■ GB2532163 A1	20160511	GB20160002663	20140612
■ NZ717105 A	20170825	NZ20140717105	20140612
■ US2016158052 AA	20160609	US20140906239	20140612

Priority:

CN201310301366 20130718 WO2014CN079705 20140612

Probable Assignee: WAN PING**Assignee(s):** (std): PING WAN ; WAN PING**Inventor(s):** (std): WAN PING ; PING WAN**Agent(s):** SHELSTON IP PTY LTD; BERESKIN AND PARR LLP SENCRL SRL**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 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: 33545123** (US2006247661A)

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Title: JOINT FOR OPERATIVELY COUPLING A CONTOURED INNER COMPRESSION MEMBER AND AN INNER GUIDE CHANNEL MEMBER FOR MEDICAL DEVICE DELIVERY SYSTEMS

Abstract: Internal joints for medical device delivery systems to deploy implantable prostheses at a selected location inside a patient's body, and methods of making the joint, are provided. An inner guide channel member has first and second ends, whereby the second end has an outer diameter and outer surface. A cannulated securing body has an inner securing section with a receiving cavity being sized to receive the inner guide channel member second end outer diameter and having an inner engaging surface operatively coupling to the inner guide channel member second end outer surface. The cannulated securing body further having a base securing section with an outer engaging surface. An elongate inner compression member has a distal mating end with an engaging surface having a contoured configuration complementary to and disposed against the base securing section outer engaging surface, wherein the base securing section and distal mating end are operatively coupled.

Classifications:**International (IPC 8-9):** A61F2/06 A61F2/82 A61F2/84 A61F2/95

A61M25/00 A61M25/01 A61M25/14 A61M25/16 A61M29/00

A61M31/00 A61M5/178 B29C43/18 B29C65/70

F16D1/06 (Advanced/Invention);

A61F2/06 A61F2/84 A61M25/00 A61M25/01

A61M5/178 (Advanced/Non-invention);

A61F2/06 A61F2/82 A61M25/00 A61M25/01 A61M5/178

F16D1/06 (Core/Invention)

CPC: A61M2025/0183 B29C65/4815 B29C65/483 B29C65/484

B29C65/5007 B29C65/5042 B29C65/68 B29C66/1122 B29C66/5221

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B29C66/73116 B29C66/73921 B29C66/73941 B29C66/91411

B29C66/919 B29C66/91931 B29C66/949 B29K2023/00 B29K2023/06

B29K2023/12 B29K2027/06 B29K2027/16 B29K2027/18

B29K2055/02 B29K2067/043 B29K2067/046 B29K2069/00

B29K2071/00 B29K2071/12 B29K2077/00 B29K2081/04

B29K2105/0079 B29L2031/7542 Y10T403/45 A61M25/0662 A61F2/966 A61F2/9517 A61F2/95 A61M25/0009 A61M25/0014

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European: A61F2/95 A61F2/966 A61M25/00G A61M25/00G5 A61M25/00V A61M25/06H B29C65/50B B29C65/68

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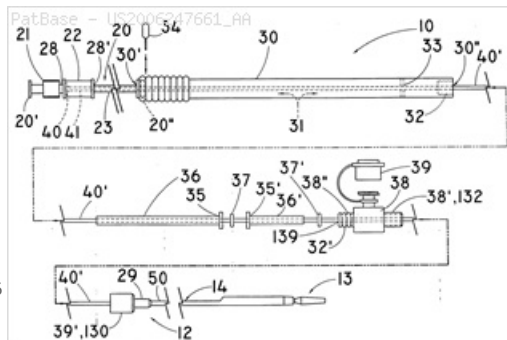
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L29K77/00 L29K81/04 L29L31/7542

US: 264/230 264/262 264/263 264/313 403/1 403/1P 403/220 403/220S 604/103.04 604/164.1 604/164.100P 604/284

604/523 604/523P 604/535 606/108 606/108P 623/1.11 623/1.110P 623/1.110S

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Assignee(s): LENTZ D ; COOK MEDICAL TECHNOLOGIES LLC BLOOMINGTON ; COOK INC BLOOMINGTON

Inventor(s): (std): FLAGLE JACOB A ; AGNEW CHARLES ; LENTZ DAVID C ; MELSHEIMER JEFFREY ; OSBORNE THOMAS A ; PAL DHARMENDRA ; MELSHEIMER JEFFRY S ; MELSHEIMER JEFFRY SCOTT ; PARKER FRED T ; RICHARDS KATHRYN E ; MELSHEIMER JEFFREY S ; LENTZ D CHRISTIAN ; AGNEW CHARLES W

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Agent(s): MADDERNS PTY LTD; MADDERNS PATENT AND TRADE MARK ATTORNEYS; MATHYS AND SQUIRE LLP; ITOH SHIGERU; BRINKS HOFER GILSON AND LIONE/CHICAGO/COOK; BRINKS HOFER GILSON AND LIONE CHICAGO COOK; BRINKS HOFER GILSON AND LIONE; BRINKS GILSON AND LIONE

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

17) Family number: 60278134 (US2015250474A)

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Title: SURGICAL IMPLANT AND METHOD AND INSTRUMENT FOR INSTALLING THE SAME

Abstract: A surgical implant comprising a receiver member and deployment member for clamping and sealing tissue of variable thickness, a corresponding applicator tool and surgical system for connecting, sealing, fastening and/or attaching tissue to itself, to other tissue and/or to non-tissue structures, and/or sealing the flow of fluid at and/or between structures such as tissue and vessel structures.

Classifications:

International (IPC 8-9): A61B17/064 A61B17/072 A61B17/08 A61B17/11 A61B17/122 (Advanced/Invention);

US: 1/1 606/151 606/157



Publication number	Publication date	Application number	Application date
US2015250474 AA	20150910	US20150639113	20150304
US2015342605 AA	20151203	US20150641136	20150306
US2016374685 AA	20161229	US20160257908	20160906
US2020129174 AA	20200430	US20190666004	20191028
US9795385 BB	20171024	US20150641136	20150306
US10499908 BB	20191210	US20160257908	20160906
WO15134682 A1	20150911	WO2015US18839	20150304

Priority:

WO20150318839	20150304	US20150041130	20150300	US20150041139	20150300
US20150214190P	20150903	US20160257908	20160906	US20190666004	20191028

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Assignee(s): (std): ABBOTT RYAN ; LAU LIMING ; MAQUET CARDIOVASCULAR LLC ; PEARSON ROBERT ; STEWART CHIP ; STEWART JR MONROE C

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Inventor(s): STEWART JR

Agent(s): GODLEWSKI KEVIN T; SWENSON KIRK D

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 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 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 US UZ VC VN ZA ZW ZW

18) Family number: 33002138 (US2006101581A)

Title: PATIENT SUPPORT APPARATUS

Abstract: A patient support apparatus is provided. The patient support apparatus includes a plurality of therapeutic devices including a rotation device and a percussion-vibration device for carrying out rotation, percussion, and vibration therapy for a patient. The patient support apparatus includes a control system for controlling operation of the plurality of therapeutic devices. The control system comprises a touch-screen display segmented into a main menu portion and a data window portion. The therapeutic functions are represented by touch selectable buttons on the main menu portion. When any of these buttons are selected, a plurality of adjustable operating parameters appears in the data window portion. At the same time, the buttons corresponding to the therapeutic functions in the main menu portion remain visible such that an operator can easily select another therapeutic function. A method of tracking the therapeutic functions performed is provided. A rotation monitoring system and temperature control system of the patient support apparatus are provided. A display activation system is also provided.

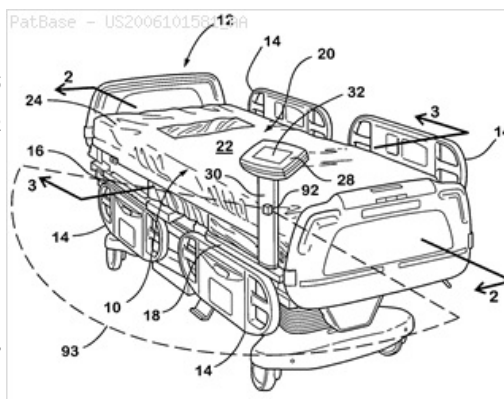
Classifications:

S06F19/34A

5/618 5/618S 5/620 5/620S 5/630 5/630S 5/713 5/713P 5/715 5/715S 5/86.1 5/905 601/107 601/107S 601/49 601/49P

Family: _____

Class PDF Export Page: 23 31/05/2020



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Priority:

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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 ZA ZM ZW

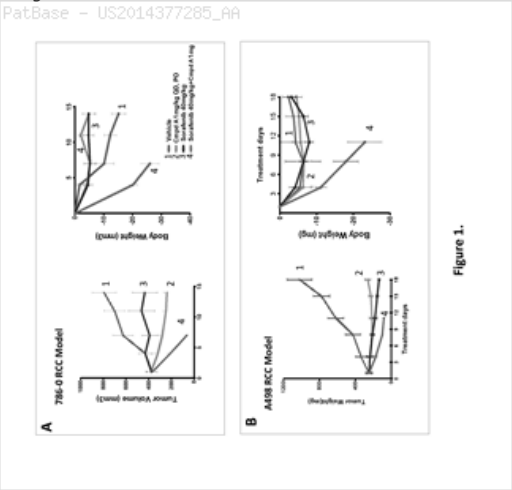
19) Family number: 53737139 (US2014377285A) © PatBase

Title: TREATMENT REGIMENS USING MULTIPLE PHARMACEUTICAL AGENTS

Abstract: The present invention provides for methods and pharmaceutical compositions for treating disorders using treatment regimens involving multiple agents. In one aspect, a method of treatment is provided resulting in reduced toxicity and/or synergistic effect by administration according to a described dosing schedule.

Classifications:

International (IPC 8-9): A61K31/395 A61K31/404 A61K31/436 A61K31/437 A61K31/44 A61K31/4412 A61K31/4439 A61K31/453 A61K31/506 A61K31/517 A61K31/519 A61K31/5377 A61K39/395 A61K45/06 A61K9/00 A61P29/00 A61P3/10 A61P35/00 A61P43/00 C07D C07D471/04 C07D487/00 C07D487/04 C07F5/02 C7D487/00 (Advanced/Invention); C07D (Subclass/Invention)
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US: 1/1 424/174.1 514/262.1 514/264.11 514/291



Family:

Publication number	Publication date	Application number	Application date
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CN106994126 A	20170801	CN201710256328	20121108
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US2016287597 AA	20161006	US20160099731	20160415
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WO13070976 A1	20130516	WO2012US64239	20121108

Priority:

US20110557326P 20111108 CN201280066443 20121108 US20120357134 20121108
WO2012US64239 20121108 US20140357134 20140508 US20160099731 20160415
US20170426271 20170207

Probable Assignee: INTELLIKINE LLC

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Assignee(s): INTELLIKINE LLC103-10931 NORTH TORREY PINES ROADLA JOLLACA92037US

Inventor(s): (std): LAN LUCY ; REN PINGDA ; ROMMEL CHRISTIAN ; JANES MATTHEW R ; LIU YI ; WANG SHUNYOU ; LAN GUIBEI

Inventor(s): LIU YIUS ; LAN LUCYUS ; REN PINGDAUS ; JANES MATTHEW RUS ; ROMMEL CHRISTIANUS ; WANG SHUNYOUUS ; SHUNYOU WANG ; MATTHEW R JANES ; PINGDA REN ; LUCY LAN ; YI LIU ; CHRISTIAN ROMMEL

Agent(s): BORDEN LADNER GERVAIS LLP; KATZKA CATHERINE; LETTERS AND THOO LTD; ORBAI LUCIAN 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 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

20) Family number: 46423169 (US2010255061A) © PatBase

Abstract: A therapeutic device to release a therapeutic agent comprises a porous structure coupled to a container comprising a reservoir. The reservoir comprises a volume sized to release therapeutic amounts of the therapeutic agent for an extended time when coupled to the porous structure and implanted in the patient. The porous structure may comprise a first side coupled to the reservoir and a second side to couple to the patient to release the therapeutic agent. A plurality of interconnecting channels can extend from the first side to the second side so as to connect a first plurality of openings on the first side with a second plurality of openings on the second side. Each of the openings on the first side can be connected to each of the openings on the second side with the plurality of interconnecting channels, such that the rate of release of the therapeutic agent can be substantially maintained when one or more of the openings is blocked, for example with particles, cells, bacteria or tissue when the device is implanted for an extended time. The length of the channels extending from the first side to the second side may comprise an effective length greater than a distance across the porous structure from the first side to the second side. The therapeutic device may comprise an expandable retention structure and an expandable reservoir, such that the device can be delivered from a lumen of a delivery device and expand when positioned in the patient. The therapeutic device may comprise a penetrable barrier to inject therapeutic agent into the device when implanted in the patient.

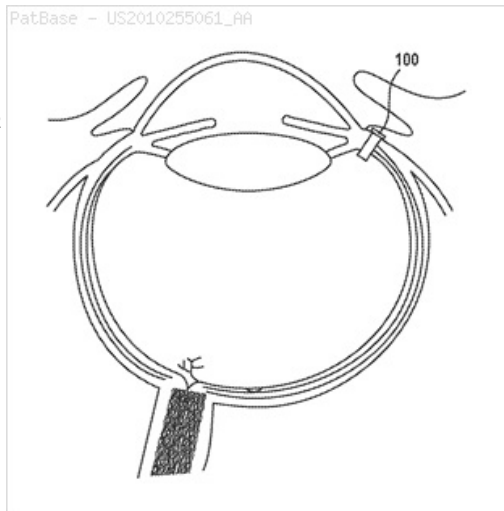
Classifications:

International (IPC 8-9): A61F2/00 A61F2/14 A61F9/00 A61F9/007 A61K31/5575 A61K31/57 A61K31/573 A61K31/58 A61K38/17 A61K38/38 A61K39/00 A61K39/395 A61K45/06 A61K47/32 A61K47/34 A61K47/38 A61K9/00 A61K9/51 A61M A61M1/00 A61M31/00 A61M35/00 A61M37/00 A61M39/02 A61M5/00 A61M5/142 A61M5/148 A61M5/158 A61M5/162 A61M5/178 A61M5/31 A61M5/32 A61M5/46 A61P27/02 B23P17/04 C07K16/18 C07K16/22 E21B49/10 G01N15/00 G01N15/08 G01N33/558 G01N7/10 (Advanced/Invention); A61K39/00 A61K9/00 A61M39/02 (Advanced/Non-invention); A61M35/00 (Core/Invention)

CPC: A61K2300/00 C07K2317/94 A61M5/14276 A61M5/178 A61M5/31 A61M39/0208 A61M39/0247 A61M2039/027 A61M2039/0276 A61F9/0008 A61M5/32 A61M5/46 A61K9/0048 A61K31/57 A61K31/573 A61K31/58 A61K38/385 Y10T29/49826 A61K47/32 A61K47/34 A61K47/38 A61K2039/505 C07K2317/24 C07K2317/55 G01N33/558 A61P27/02 A61F9/0017 A61K9/0051 C07K16/22 A61K38/179 A61K39/395 A61K45/06 A61M37/00

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US: 1/1 29/428 29/428S 424/133.1 424/133.100S 424/422 424/423 424/424 424/427 424/427P 424/464 435/7.92 436/501 514/174 514/174S 514/573 514/573S 521/145 521/183 521/184 521/189 530/387.3 530/387.300S 536/56 536/57 536/69 604/117 604/175 604/175S 604/239 604/246 604/257 604/263 604/27 604/272 604/272S 604/288.01 604/288.01P 604/288.010S 604/288.02 604/288.04 604/36 604/44 604/500 604/500S 604/506 604/506P 604/506S 604/6.12 604/93.01 604/93.010S 604/96.01 604/96.010S



Family:

Publication number	Publication date	Application number	Application date
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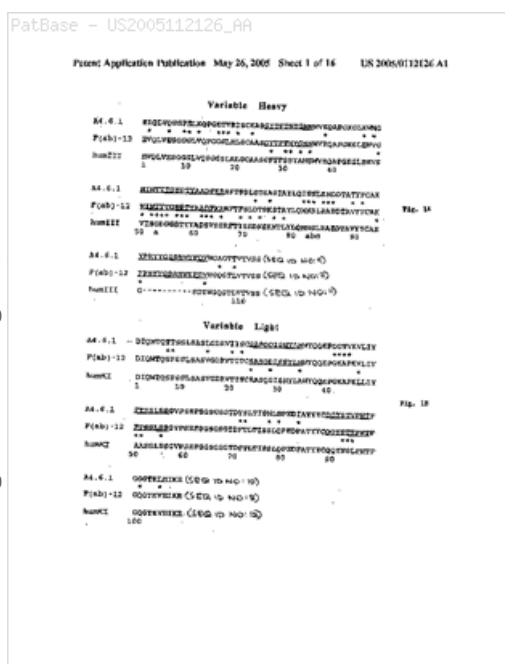
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Probable Assignee: FORSIGHT VISION4 INC

Assignee(s): (std): FORSIGHT VISION 4 INC ; FORSIGHT VISION4 INC ; SUTTON DOUGLAS ; STINE GREG ; REICH CARY J ; MACFARLANE K ANGELA ; FORSIGHT LABS LLC ; FARINAS KATHLEEN COGAN ; DE JUAN JR EUGENE ; COGAN FARINAS KATHLEEN ; CHAMOW STEVEN M ; CAMPBELL RANDOLPH E ; BARRETT MICHAEL ; ALSTER YAIR ; SKIELLER CHRISTINA ; JUAN JR EUGENE DE ; GIFFORD III HANSON S ; GEORGE ROBERT ; ERICKSON SIGNE ; DOUD DARREN ; DE JUAN EUGENE ; BATTEN DAVID ; BARRETT MIKE

21) Family number: 42246174 (US2005112126A) © PatBase

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Probable Assignee: GENENTECH INC

Assignee(s): (std): WELLS JAMES A ; PRESTA LEONARD G ; LOWMAN HENRY B ; CHEN YVONNE MAN YEE ; BACA MANUEL ; GENENTECH INC

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Inventor(s): (std): BACA M ; BACA MANUEL ; BACA MANUEL M ; BACA MANUEL THE WALTER ELIZA H ; CHEN MAN YEE ; CHEN YVONNE MAN YEE ; CHEN YVONNE MAN YEE YMY ; HENRY B LOWMAN ; LEONARD G PRESTA ; LOWMAN B ; LOWMAN HENRY ; LOWMAN HENRY B ; LOWMAN HENRY B HB ; LOWMAN LEONARD G ; PRESTA G ; PRESTA L G ; PRESTA LEONARD ; PRESTA LEONARD G ; PRESTA LEONARD G LG ; RESEARCH ; WELLS A ; WELLS J A ; WELLS JAMES ; WELLS JAMES A ; WELLS JAMES A JA ; YVONNE MAN YEE CHEN ; JAMES A WELLS ; BACA MANUEL WALTER ELIZA H ; PRESTA LEONARD G ; MANUEL BACA ; MAN YEE CHEN YVONNE ; LOWMA HENRY B ; CHEN YVONNE M

Inventor(s): LEONARD G LOWMAN ; CHEN YVONNE ; LEONARD G PRESTA ; BACA MANUEL BLACK ROCK ; L G PRESTA ; LOWMAN LEONARD G EL GRANADA ; CHEN YVONNE MAN YEE SAN MATEO ; WELLS JAMES A BURLINGAME ; PRESTA LEONARD G SAN FRANCISCO ; M BACA ; J A WELLS

Agent(s): FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; DENNISON ASSOCIATES; GOWLING WLG CANADA LLP; LEINWEBER AND ZIMMERMANN; WICHMANN HENDRIK; DENISON CHRISTOPHER MARCUS; SIT FUNG KWONG AND SHUM; ARCUILLI FONG AND NG; KING AND WOOD; LIU SHEN AND ASSOCIATES; WU XINYU; HONGKONG TRUER IP LTD; S HOROWITZ AND CO; GENENTECH INC; STEVEN X; GRANT; KALINOWSKI GRANT

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR IS CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL 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 US UZ VN YU ZW

22) Family number: 31312177 (US2004229799A)

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Title: SAPOSIN C-DOPS: A NOVEL ANTI-TUMOR AGENT

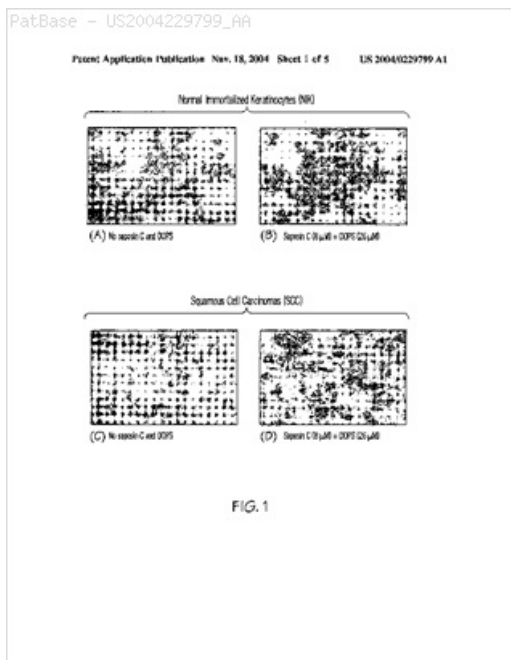
Abstract: Compositions and methods for treating subjects with disorders characterized by hyper-proliferating cells such as tumors and cancers are provided. The compositions comprise agents that are combinations of saposin C (or prosaposin-related polypeptides) and dioleoylphosphatidylserine (or inner leaflet components). This anti-tumor agent is administered in the methods of the invention according to a dosing regimen. Administering an agent of the invention results in a positive therapeutic response in a subject with a tumor.

Classifications:

International (IPC 8-9): A01N37/18 A01N61/00 A61K31/685
A61K38/00 A61K38/17 A61K45/00 A61K9/00 A61K9/127 A61K9/48
A61K9/51 A61P35/00 A61P43/00 C07F9/10 C07K1/00 C07K14/00
C07K14/47 (Advanced/Invention);
C07K14/47 (Advanced/Non-invention);
A61K31/683 A61K38/00 A61K38/17 A61K45/00 A61K9/00 A61P35/00
A61P43/00 (Core/Invention);
C07K14/435 (Core/Non-invention);
A61K (Subclass/Invention)

International (IPC 1-7): A61K38/00 A61K38/17

CPC: A61K2300/00 A61K9/4816 A61P35/00 A61P43/00 A61K31/685 A61K38/17
European: A61K31/685 A61K38/17
US: 424/400 424/400P 424/450 514/1 514/1.1 514/1.100S 514/12 514/18.9 514/18.900P 514/19.4 514/19.400S 514/2 514/20.9 530/300 530/350 977/906 977/906S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20180226468 20181219		

Probable Assignee: CHILDREN S HOSPITAL MEDICAL CENTER

Assignee(s): (std): CHILDRENS HOSP MEDICAL CENTER ; CHILDRENS HOSP MEDICAL CT ; CHILDRENS HOSPITAL MED CT ; CHILDRENS HOSPITAL MEDICAL CT ; QI XIAOYANG ; CHILDRENS HOSPITAL MEDICAL CENTER

Assignee(s): CHILDREN S HOSPITAL MEDICAL CENTER ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; CHILDREN'S HOSPITAL MEDICAL CENTER

Inventor(s): (std): QI XIAOYANG ; XIAOYANG QI

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; HERBERT SMITH FREEHILLS; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; MACPHERSON LESLIE AND TYERMAN LLP; FROST BROWN TODD LLC; BARNES AND THORNBURG LLP; DAVIS WRIGHT TREMEAINE LLP; PASSERIN ESQ ALICIA M; LEECH TISHMAN FUSCALDO AND LAMPL

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

Abstract: A saddle-shaped compression device and methods of fastening a dysfunctional intervertebral disc are used to (1) compress a protrusion to alleviate nerve impingement, (2) fortify the annulus to stabilize a motion segment, (3) minimize the inward/outward bulging and delamination of the annulus, (4) atrophy the nerve to treat discogenic pain, (5) correct the curvature of spinal deformities, (6) elevate the disc space to treat spinal stenosis, and (7) seal the seepage of nucleus pulposus from a herniated disc.

Classifications:

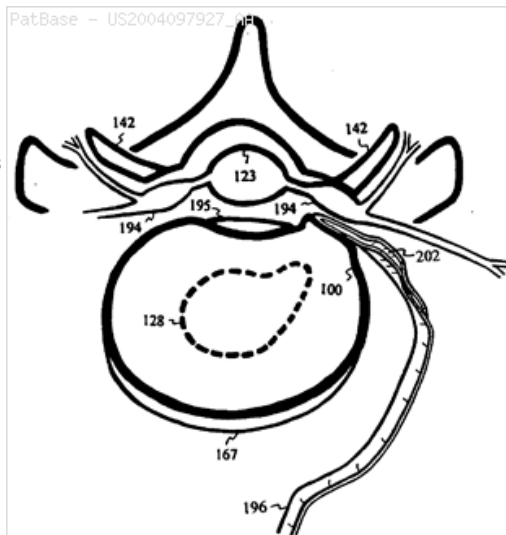
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A61B17/00 A61B17/34 A61B19/00 A61F2/44 A61M37/00 (Advanced/Non-invention); A61B17/00 A61B17/06 A61B17/16 A61B17/20 A61B17/34 A61B17/56 A61B17/70 A61B17/88 A61F2/44 A61K35/12 A61K35/22 A61K35/24 A61K35/37 A61K35/48 A61K38/22 A61K38/27 A61K38/33 A61L27/00 A61L31/00 A61M1/00 A61M25/00 A61M31/00 A61M5/14 A61M5/32 A61P19/00 A61P29/00 A61P5/00 B22D19/00 (Core/Invention);

A61B17/00 A61B19/00 A61F2/44 (Core/Non-invention); A61B A61D A61F A61L (Subclass/Invention)

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Priority:

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Probable Assignee: ALEEVA MEDICAL INC

Assignee(s): (std): YEUNG JEFF ; YEUNG JEFFREY E ; YEUNG TERESA T ; YEUNG JEFFREY ERIC ; ALEEVA MEDICAL INC ; ALIVA MEDIKAL INK ; ALEEVE MEDICAL INC A DELAWARE ; ALEEVA MEDICAL INC A DELAWARE

Assignee(s): ALEEVE MEDICAL INC A DELAWARE CORP ; ALEEVA MEDICAL INC A DELAWARE CORP ; ALEEVA MEDICAL INC SAN JOSE ; ALLEVA MEDICAL INC

Inventor(s): (std): YEUNG JEFFREY E ; YEUNG TERESA T ; YEUNG T ; YEUNG JEFFREY ERIC ; YEUNG JEFFREY E YEUNG TERESA T ; YEUNG JEFF ; TERESA T YEUNG ; JENG TEREZA T ; JENG DZHEFFRI E ; JEFFREY E YEUNG

Inventor(s): YEUNG JEFFREY E SAN JOSE ; YEUNG JEFFREY ; YEUNG TERESA T SAN JOSE ; YEUNG TERESA

Agent(s): AJ PARK ; A J PARK ; MCFADDEN FINCHAM ; OSLER HOSKIN AND HARCOURT LLP ; STAINTHORPE VANESSA JULIET ; LAZCANO JESUS ; REBECCA LO AND CO ; HASTINGS AND CO ; REINHOLD COHN AND PARTNERS ; JEFFREY E YEUNG ; GREGORY SMITH AND ASSOCIATES ; JEFREY E YEUNG ; CAROL ; GSS LAW GROUP ; CAROL TITUS GSS LAW GROUP

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 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 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

Title: METHODS AND APPARATUS FOR LUMINAL STENTING

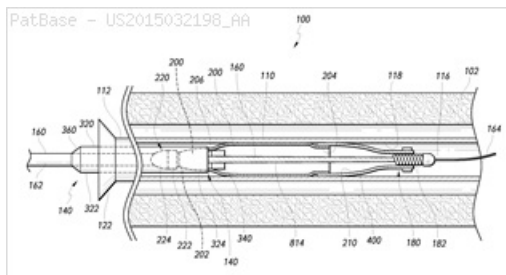
Abstract: A stent delivery assembly and methods of use are provided. The assembly can comprise a catheter, a cover member, a core member, a stent, and a stent retention mechanism. The stent can extend within the cover member lumen and have a section extending at least partially between an inner layer of the cover member and the core member. The stent retention mechanism can be coupled to the core member and comprise an outer surface that is configured to exert a radially outward force against the stent for axially restraining the stent relative to the core member when the stent is in contact with the inner layer of the cover member.

Classifications:

International (IPC 8-9): A61F2/966 (Advanced/Invention)

CPC: A61F2/966 A61F2002/9665

US: 623/1.12



Family:

Publication number	Publication date	Application number	Application date
US2015032198 AA	20150129	US20130950950	20130725
US10130500 BB	20181120	US20130950950	20130725

Priority:

US20130950950 20130725

Probable Assignee:

COVIDIEN LP

Assignee(s): (std):

COVIDIEN LP

Inventor(s): (std):

FOLK CHRIS

Agent(s):

FORTEM IP LLP; LINCICUM MATTHEW

Title: IMPLANTABLE DEVICES FOR CONTROLLING THE INTERNAL CIRCUMFERENCE OF AN ANATOMIC ORIFICE OR LUMEN

Abstract: An implantable device for controlling the circumference of internal anatomic passages corrects physiologic dysfunctions resulting from a structural lumen which is either too large or too small. Implants are disclosed which employ various means for adjusting and maintaining the size of an orifice to which they are attached. Systems permit the implants to be implanted using minimally invasive procedures and permit final adjustments to the circumference of the implants after the resumption of normal flow of anatomic fluids in situ. Methods are disclosed for using the implants to treat heart valve abnormalities, gastroesophageal abnormalities, anal incontinence, and the like.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/064 A61B17/068 A61B17/08 A61B17/10 A61B17/12 A61B17/58 A61B19/00 A61B5/00 A61B5/06 A61F A61F2/00 A61F2/02 A61F2/04 A61F2/24 A61F2/48 A61F2/82 A61F2/84 (Advanced/Invention);

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A61B17/00 A61B17/03 A61B17/064 A61B17/068 A61B17/58

A61B5/00 A61F2/04 A61F2/24 A61F2/82 (Core/Invention);

A61F2/00 A61F2/02 (Core/Non-invention);

A61F (Subclass/Invention)

International (IPC 1-7): A61B17/00 A61B17/08 A61F2/00 A61F2/04

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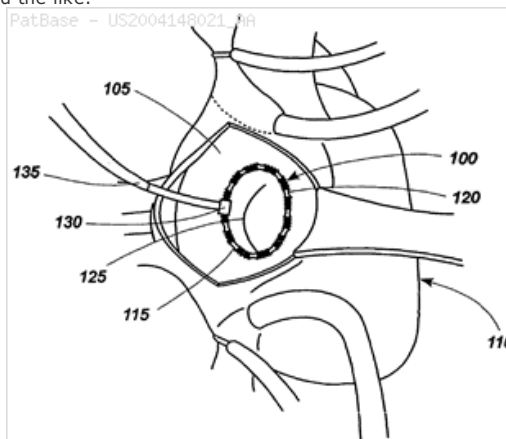
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US: 128/898 128/898S 600/30 600/301 600/301S 600/30S 606/1 606/100 606/100S 606/139 606/151 606/151S 606/157

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623/902S



Family:

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Probable Assignee: ST JUDE MEDICAL CARDIOLOGY DIVISION INC

Assignee(s): (std): MD3 TECHNOLOGIES LLC ; METEL SOLVENT CORP ; MITRAL SOLUTIONS INC ; MITRALSOLUTIONS INC

; RICHARD G CARTLEDGE ; ST JUDE MEDICAL CARDIOLOGY DIV ; ST JUDE MEDICAL CARDIOLOGY DIVISION INC ; LEONARD Y LEE ; STJUDE MEDICAL CARDIOLOGY DIVISION INC ; LEE LEONARD Y ; ST JUDE MEDICAL CARDIOLOGY DIVISION ; ST JUDE MEDICAL CARDIOLOGY DIV INC ; ST JUDE MEDICAL CARDIOLOGY DIVISION INC ; ST JUDE MEDICAL ; MITRALSOLUTIONS INC ; GREENE JAMES L ; GREEN JAMES L ; FRIEDMANN JOSEF L ; FRIEDMAN JOSEF ; FANN JAMES I ; CARTLEDGE RICHARD G

Assignee(s): CHP II LP ; HEALTHCARE CAPITAL PARTNERS LLC ; MAVERICK FUND II LTD ; MAVERICK FUND PRIVATE INVESTMENTS LTD ; MAVERICK USA PRIVATE INVESTMENTS LLC ; ST JUDE MEDICAL INC ; ST JUDE MEDICAL CARDIOLOGY DIVISION INC ST PAUL

Inventor(s): (std): FANN JAMES I ; FRIEDMANN JOSEF L ; GREEN JAMES L ; LEE LEONARD Y ; LEONARD Y LEE ; RICHARD G CARTLEDGE ; LEE LEONARD ; CARTLEDGE RICHARD ; CARTLEDGE RICHARD G ; FRIEDMAN JOSEF ; GREENE JAMES L

Inventor(s): GREEN JAMES ; FRIEDMANN JOSEF ; FANN JAMES ; CARTLEDGE RICHARD G FT LAUDERDALE ; CARTLEDGE RICHARD G HOLLYWOOD ; JOSEF FRIEDMAN ; JAMES L GREEN ; JAMES I FANN ; LEE LEONARD Y NEW YORK

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; FB RICE PTY LTD; FB RICE; BERESKIN AND PARR; RIDOUT AND MAYBEE LLP; KOPF WESTENBERGER WACHENHAUSEN PATENTANWALTE PARTG MBB; GODEMEYER BLUM LENZE PATENTANWALTE PARTNERSCHAFT MBB; WESTON ROBERT DALE; LONG GIORGIO ET AL; LONG GIORGIO; PHILLIPS AND LEIGH; KOPF KORBINIAN PAUL; REINHOLD COHN AND PARTNERS; SOROKER AGMON; IWAMOTO YUKIO; ASAMURA HAJIME; ASAMURA KIYOSHI; SOGA MICHIHARU; JOHN S PRATT ESQ KILPATRICK STOCKTON LLP; HOGAN AND HARTSON LLP IP GROUP COLUMBIA SQUARE; HOGAN AND HARTSON LLP, IP GROUP COLUMBIA SQUARE; HOGAN LOVELLS US LLP IP GROUP COLUMBIA SQUARE; HOGAN AND HARTSON LLP; LERNER DAVID LITTENBERG KRUMHOLZ AND MENTLIK LLP; CROWSON CELINE JIMENEZ

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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

26) Family number: 43478203 (EP1332728A1)

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Title: SUPRA-RENAL PROSTHESIS AND RENAL ARTERY BYPASS

Abstract: A system for bypassing an aneurysm comprises a first prosthesis and at least one second prosthesis communicating with the first prosthesis, and at least one third prosthesis communicating with the first prosthesis. The first prosthesis comprises a proximal end configured to engage a section of artery upstream of a junction between a first artery and a second artery. The second prosthesis is configured to bypass the aneurysm. The third prosthesis is configured to provide a fluid flow channel from the first artery into the second artery.

Classifications:

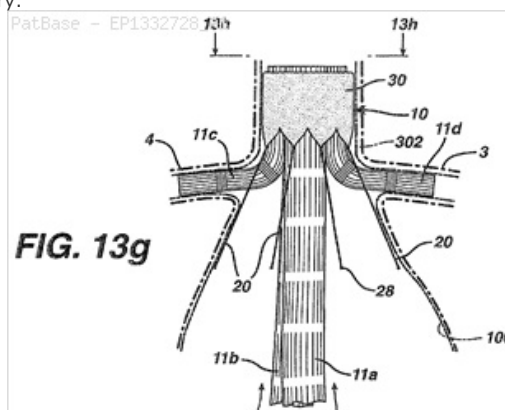
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A61F2/82 A61F2/848 A61F2/89 A61F2/90 A61F2/91 A61F2/915 A61F2/95 (Advanced/Non-invention)

International (IPC 1-7): A61F2/06

CPC: A61B17/064 A61B17/0682 A61F2/064 A61F2/07 A61F2/848 A61F2/856 A61F2/86 A61F2/88 A61F2/89 A61F2/91 A61F2/915 A61F2/95 A61F2/954 A61F2002/061 A61F2002/065 A61F2002/067 A61F2002/075 A61F2002/825 A61F2002/9505 A61F2220/0041 A61F2220/005 A61F2220/0058 A61F2220/0066 A61F2230/001 A61F2230/0013 A61F2230/005 A61F2230/0067 A61F2230/0078 A61F2250/006 A61F2250/0069 A61F2250/0071

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Priority:

US20020041401 20020108 CA20032415972 20030107

Probable Assignee: CORDIS CORP

Assignee(s): (std): CORDIS CORP ; JOHNSON AND JOHNSON

Assignee(s): LANDAU GEORGE D ; SOLOVAY KENNETH S ; LETENDRE ROBERT P

Inventor(s): (std): LANDAU GEORGE D ; SOLOVAY KENNETH S ; LETENDRE ROBERT P

Inventor(s): GEORGE D LANDAU ; ROBERT P LETENDRE ; KENNETH S SOLOVAY

Agent(s): FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; GRIFFITH HACK; SIM AND MCBURNEY; KATO MASANOBU

27) Family number: 43296204 (US2010298212A)

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Title: MODIFIED INSULIN POLYPEPTIDES AND THEIR USES**Abstract:** Modified insulin polypeptides and their uses thereof are provided**Classifications:****International (IPC 8-9):** A61K A61K38/16 A61K38/28 A61K47/60 A61P3/00 A61P3/06 A61P3/08 A61P3/10 C07K14/62 C12N15/09 G06K5/00 (Advanced/Invention);

A61K38/00 C12N15/09 (Advanced/Non-invention);

A61K38/00 A61K38/28 G06K5/00 (Core/Invention);

A61K C07K (Subclass/Invention)

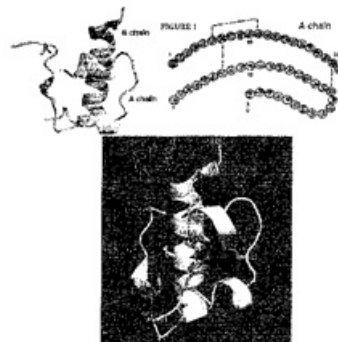
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A61P3/08 A61P3/10

European: C07K14/62 K61K38/00**US:** 514/5.9 514/5.900P 514/6.3 530/303 530/303S

PatBase - US2010298212_AA

Parent Application Publication Nov. 25, 2010 Sheet 1 of 12 US 2010/0298212 A1

**Family:**

Publication number	Publication date	Application number	Application date
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Probable Assignee: AMBRX INC**Assignee(s):** (std): AMBRX INC ; DEGUZMAN MICHAEL ; HO LILLIAN ; KRAWITZ DENISE ; KNUDSEN NICK ; HAYS PUTNAM ANNA MARIA A ; MIAO ZHENWEI ; SIM BEE CHENG ; KRAYNOV VADIM ; TIAN FENG ; PUTNAM ANNA MARIA A HAYS ; SKIDMORE LILLIAN**Inventor(s):** (std): FENG TIAN ; DENISE KRAWITZ ; KRAWITZ DENISE ; KRAYNOV VADIM ; HO LILLIAN ; KNUDSEN NICK ; KNUDESEN NICK ; HAYS PUTNAM ANNA MARIA A ; LILLIAN HO ; LILLIAN SKIDMORE ; MIAO ZHENWEI ; SIM BEE CHENG ; TIAN FENG ; PUTNAM ANNA MARIA A HAYS ; SKIDMORE LILLIAN ; ZHENWEI MIAO ; MICHAEL DEGUZMAN ; NICK KNUDSEN ; VADIM KRAYNOV ; PUTNAM ANNA MARIA A ; NICK KNUDESEN ; PUTNAM ANNA MARIA ; ANNA MARIA A HAYS PUTNAM ; BEE CHENG SIM ; DEGUZMAN MICHAEL**Inventor(s):** HAYS PUTNAM ANNA MARIA ; SKIDMORE LILLIAN NEE HO**Agent(s):** FB RICE PTY LTD; FB RICE; SMART AND BIGGAR; HALLYBONE HUW GEORGE; CARPMAELS AND RANSFORD LLP; IZQUIERDO MARIA ALICIA; REINHOLD COHN AND PARTNERS; HARAKENZO WORLD PATENT AND TRADEMARK; ATTN JOHN W WALLEN III AMBRX INC; KRISTIN S; JOHN W; WALLEN JOHN W**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**28) Family number: 53166204 (US2001018614A)**

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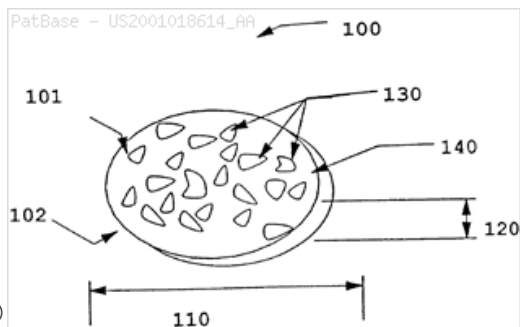
Title: IMPLANTS FOR ORTHOPEDIC APPLICATIONS**Abstract:** An implant and a method for making and using the implant are disclosed for the repair of bone defects or voids, including defects or voids in the acetabular cup. The implant shapes and compositions of this invention provide advantages not present in impaction grafts and like implants known in the art. Also disclosed is an osteogenic, cross-linked composite implant, and methods of producing the same.**Classifications:****International (ipc 8-9):** A01N1/00 A01N1/02 A61B17/16 A61B17/56 A61B17/58 A61B17/70 A61F2/00 A61F2/02 A61F2/04 A61F2/06 A61F2/08 A61F2/24 A61F2/28 A61F2/30 A61F2/38 A61F2/44 A61F2/46 A61L2/00 A61L2/02 A61L2/025 A61L2/08 A61L2/18 A61L2/20 A61L2/24 A61L24/00 A61L27/00 A61L27/32 A61L27/36 A61L27/38 A61L31/00 A61N1/02 C12N5/00 C12N5/06 (Advanced/Invention);

A61F2/00 A61F2/02 A61F2/04 A61F2/06 A61F2/08 A61F2/24 A61F2/28 A61F2/30 A61F2/44 A61F2/46 A61L101/02 A61L101/06 A61L101/20 A61L101/22 A61L101/32 A61L101/34 A61L101/36 A61L101/38 A61L101/40 A61L101/54 A61L2/02 A61L2/08 A61L2/18 A61L2/20 A61L27/00 (Advanced/Non-invention);

A61F2/28 A61F2/30 A61F2/44 A61L2/00 A61L27/00 (Core/Invention); A61F2/00 A61F2/02 A61F2/08 A61F2/30 A61F2/46 (Core/Non-invention)

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Designated states:

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29) Family number: 52211220 (US2003036199A)

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Title: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBITION, AND COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER

Abstract: The invention provides a series of compositions, methods, kits, articles and species associated primarily with the diagnosis and/or treatment of cell proliferation, specifically cancer. Cell proliferation associated with aberrant expression of MUC1 is particularly focused upon. Mechanisms associated with MUC1 cell proliferation are discussed.

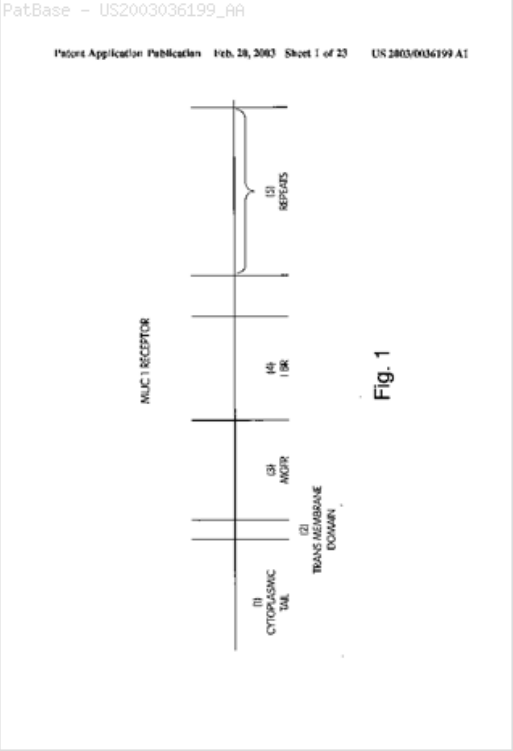
Classifications:

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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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

30) Family number: 44283236 (US2011066224A) © PatBase

Title: REPOSITIONABLE ENDOLUMINAL SUPPORT STRUCTURE AND ITS APPLICATIONS

Abstract: An endoluminal support structure includes strut members interconnected by swivel joints to form a series of linked scissor mechanisms. The structure can be remotely actuated to compress or expand its shape by adjusting the scissor joints within a range of motion. In particular, the support structure can be repositioned within the body lumen or retrieved from the lumen. The support structure can be employed to introduce and support a prosthetic valve within a body lumen.

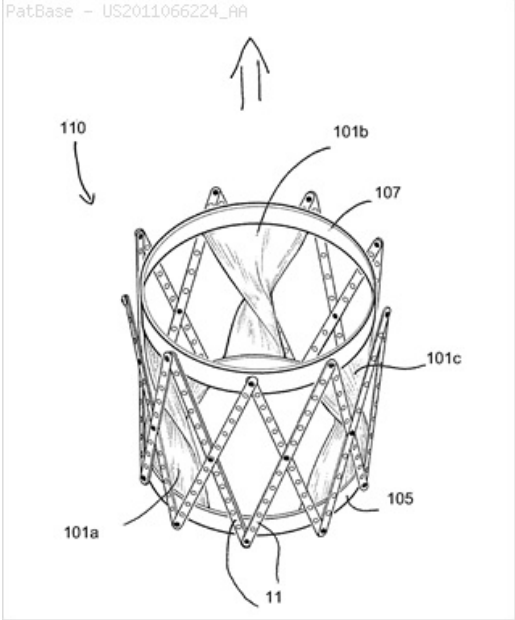
Classifications:

International (IPC 8-9): A61F A61F2/04 A61F2/06 A61F2/24 A61F2/82 A61F2/84 A61F2/86 A61F2/94 B23P11/00 (Advanced/Invention); A61F2/84 A61F2/94 (Advanced/Non-invention); A61F2/24 A61F2/82 (Core/Invention); A61F (Subclass/Invention)

CPC: A61F2/2412 A61F2/2418 A61F2/2469 A61F2/844 A61F2210/0076 A61F2220/0041 A61F2220/0075 A61F2230/0054 A61F2230/0091 A61F2250/0004 A61F2250/001 Y10T29/49826 A61F2/2409 A61F2/2427 A61F2/243 A61F2/82 A61F2/94

European: A61F2/24D A61F2/24D6 A61F2/844 K61F2/24S K61F250/00G

US: 1/1 29/428 29/428P 29/428S 623/1.11 623/1.12 623/1.15 623/1.150P 623/1.16 623/1.160P 623/1.24 623/1.240P 623/1.240S 623/1.26 623/2.11 623/2.110P 623/2.17 623/2.18 623/2.180S 623/23.7 623/900



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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 ZA ZM ZW