

1) Family number: 34925216 (US2015039084A)

© PatBase

Title: HEART ANCHOR DEVICE

Abstract: A medical implant including an anchor portion including a plurality of arms adapted to engage an internal tissue wall of a body from two opposite faces, wherein the anchor portion is configured such that at least one of the arms does not have an entirely overlapping arm on the other side of the wall and an opening portion adapted to define an opening for blood flow through the internal tissue wall, when the anchor portion engages the wall.

Classifications:**International (IPC 8-9):** A61B17/00 A61F2/06

A61F2/24 (Advanced/Invention);

A61B17/06 (Advanced/Non-invention);

A61F2/06 A61F2/24 (Core/Invention)

CPC: A61B17/0057 A61B2017/00004 A61B2017/00017

A61B2017/00035 A61B2017/00084 A61B2017/00398

A61B2017/00411 A61B2017/00557 A61B2017/00575

A61B2017/00592 A61B2017/00597 A61B2017/00606

A61B2017/00623 A61B2017/00734 A61B2017/00862 A61B2017/061

A61F2/2409

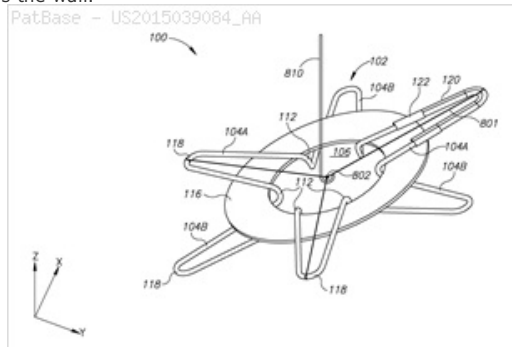
European: A61B17/00P K61B17/00A K61B17/00C K61B17/00C1C4

K61B17/00C1T K61B17/00F4 K61B17/00F8 K61B17/00N8

K61B17/00P5 K61B17/00P5E K61B17/00P5F K61B17/00P5H

K61B17/00P5R K61B17/00Q12 K61B17/00S10 K61B17/06N8

K61B17/12P2

US: 1/1 623/2.38**Family:**

Publication number	Publication date	Application number	Application date
US2015039084 AA	20150205	US20070223080	20070123
US2017281339 AA	20171005	US20170624314	20170615
US2019328513 AA	20191031	US20190505624	20190708
US9681948 BB	20170620	US20070223080	20070123
US10357357 BB	20190723	US20170624314	20170615
WO07083288 A2	20070726	WO20071B50234	20070123
WO07083288 A3	20080103	WO20071B50234	20070123

Priority:

US20060761192P	20060123	US20060777315P	20060228	US20060862496P	20061023
US20070223080	20070123	WO20071B50234	20070123	US20140223080	20140716
US20170624314	20170615	US20190505624	20190708		

Probable Assignee: V WAVE LTD

Assignee(s): (std): ATRIA MEDICAL INC ; BEN AMOTZ ORI ; BENBENISTI EYAL ; COHEN ITSHAK ; HAREL TAMAR ; KOPELMAN DORON ; LEVI TAMIR ; ROSENBERG MEIR ; ROZY YORAM ; SHAFRIR ROEY ; V WAVE LTD

Inventor(s): (std): BEN AMOTZ ORI ; BENBENISTI EYAL ; COHEN ITSHAK ; HAREL TAMAR ; KOPELMAN DORON ; LEVI TAMIR ; ROSENBERG MEIR ; ROZY YORAM ; SHAFRIR ROEY

Agent(s): FOLEY AND LARDNER LLP; CHRISTOPHER C; NICOLA A; PISANO NICOLA A; BOLTON CHRISTOPHER C

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 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 ZA ZM ZW

2) Family number: 60802630 (US2015327868A)

© PatBase

Title: RETRACTABLE AND RAPID DISCONNECT, FLOATING DIAMETER EMBOLIC COIL PRODUCT AND DELIVERY SYSTEM

Abstract: A vaso-occlusive device, delivery system and method of delivery to a selected site of the vessel in a manner allowing the vaso-occlusive device to substantially assume a diameter of an inner surface of the vessel or aneurysm sac at the site of the embolization procedure. The vaso-occlusive device or embolic coil has specific properties of wanting to float and conform to the diameter of the aneurysm sac thereby enabling retractability and rapid disconnect detachment for such embolic coil, and a predetermined shape requiring fewer embolic coils per embolization procedure advantageously improving patient risk, and the cost and time of the procedure. A method for deploying the embolic coil with such specific properties to the site of an aneurysm using a delivery system configured for deploying the embolic coil features inserting, and/or reconnecting for positioning and reinserting the embolic coil.

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

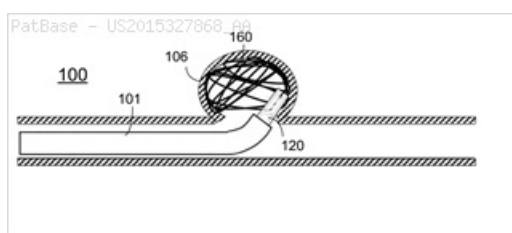
A61B17/128 (Advanced/Invention);

A61B17/00 (Advanced/Non-invention)

CPC: A61B17/12109 A61B2017/1205 A61B2017/1209 A61B17/12031

A61B17/12113 A61B17/12145 A61B2017/00867 A61B2017/12054

A61B2017/12077

US: 1/1 606/200**Family:**

Publication number	Publication date	Application number	Application date
--------------------	------------------	--------------------	------------------

EP2944278 A2	20151118	EP20140002204	20140627
EP2944278 A3	20151125	EP20140002204	20140627
US2015327868 AA	20151119	US20140277022	20140513
US2016066920 AA	20160310	US20150944209	20151117
US2017020532 AA	20170126	US20160161206	20160521
US2019343534 AA	20191114	US20190450201	20190624
US2020069314 AA	20200305	US20190398192	20190429
US10271852 BB	20190430	US20150944209	20151117
US10335156 BB	20190702	US20160161206	20160521

Priority:

US20140277022	20140513	US20150238694P	20151007	US20150944209	20151117
US20160161206	20160521	US20190398192	20190429	US20190450201	20190624

Probable Assignee: NDI TIP TEKNOLOJILERI ANONIM AND 350 IRKETI

Assignee(s): (std): BOYD GARTH W ; DEMIRALP SADIK SEMIH ; HABEGER CAM E ; ISLAK CIVAN ; NDI TIP TEKNOLOJILERI ANONIM SIRKETI ; KUSKE MICHAEL J

Assignee(s): NDI TIP TEKNOLOJILERI ANONIM AND 350 IRKETI

Inventor(s): (std): HABEGER CAM EDWARD ; ISLAK CIVAN ; KUSKE MICHAEL JOSEPH ; BOYD GARTH W ; DEMIRALP SADIK SEMIH ; HABERGER CAM E ; KUSKE MICHAEL J ; HABEGER CAM E

Agent(s): OEZDOGAN ISIK; WASSERBAUER ESQ DAMIAN; WASSERBAUER LAW LLC; WASSERBAUER DAMIAN

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

3) Family number: 28302234 (US2001000797A)

© PatBase

Title: METHOD AND APPARATUS FOR OCCLUDING ANEURYSMS

Abstract: The present invention provides aneurysm occlusion devices 60, 160 formed from a resilient metal fabric and a method for reliably and effectively occluding aneurysms. In accordance with one aspect of the invention, the aneurysm devices include a body portion 80 which is sized to be received within an aneurysm and an anchor 70 which is sized, and may also be preformed into a specific shape, to engage the lumen of a vessel having the aneurysm thereon. The aneurysm occluder 60 may also include a generally tubular central portion 62 extending between the body portion and the anchor, the central portion being sized and shaped to be received within the neck of the aneurysm. The present invention has particular advantages over prior minimally invasive techniques for occluding aneurysms in that it can both fill the aneurysm and occlude or "stent" the neck of the aneurysm in one step. It also minimizes damage to healthy vessel tissue by localizing contact with the interior of the vessel.

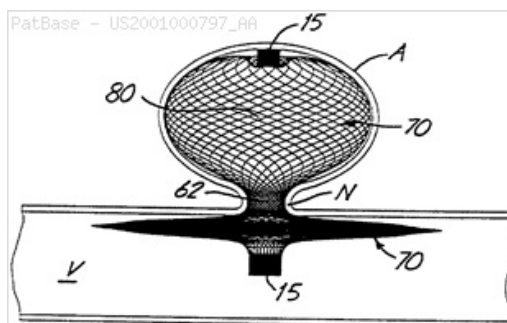
Classifications:

International (IPC 8-9): A61B17/00 A61B17/12 A61B17/22 A61B17/221 A61F11/00 A61F2/01 A61M25/00 A61M29/00 (Advanced/Invention); A61B17/12 A61F11/00 A61F2/06 A61M29/00 (Advanced/Non-invention); A61B17/00 A61B17/12 A61B17/22 A61F11/00 A61F2/01 A61M25/00 A61M29/00 (Core/Invention); A61F11/00 A61F2/06 (Core/Non-invention)

International (IPC 1-7): A61B17/00 A61B17/08 A61B17/12 A61B17/22 A61F2/01 A61F2/06 A61M2/900 A61M25/00 A61M29/00 **CPC:** A61B17/0057 A61B17/12113 A61B2017/00867 A61F2002/016 A61F2002/018 A61F2230/0006 A61F2230/0067 A61F2230/0069 A61F2230/0078 A61F2230/008 A61F2230/0093 A61F2/011 A61B17/12099 A61B17/12136 A61B17/12177 A61B2017/00526 B21F45/008 A61B17/12022 A61B17/12109 A61B17/12172 A61B17/221 A61B2017/2212 A61F2/01 A61F2/013

European: A61B17/00P A61B17/12P A61B17/12P5 A61B17/12P5B A61B17/12P5B1 A61B17/12P7B A61B17/12P7W1 A61B17/12P7W3 A61B17/221 A61F2/01 A61F2/01D B21F45/00M K61B17/00M K61B17/00S12 K61B17/221 K61B17/221C K61F2/01B

US: 604/101.01 604/105 604/22 604/267 604/90 604/91 604/913 604/92 604/96 604/97.01 604/99.03 606/108 606/110 606/111 606/127 606/151 606/151P 606/159 606/191 606/192 606/193 606/194 606/195 606/196 606/197 606/198 606/200 606/200P 606/213 623/1.11 623/1.12 623/1.2 623/11.1 623/11.2



Family:

Publication number	Publication date	Application number	Application date
AU200036221 A1	20000928	AU20000036221	20000308
AU200036221 A5	20000928	AU20000036221	20000308
CA2194671 AA	19970108	CA19952194671	19950710
CA2364136 AA	20010904	CA20002364136	20000308
DE69529338 D1	20030213	DE19956029338	19950710
DE69529338 D1	20030213	DE19956029338T	19950710
DE69529338 T2	20031120	DE19956029338T	19950710
DE69529338 T3	20070531	DE19956029338T	19950710
DE69536046 D1	20100401	DE19956036046	19950710
DE69536046 D1	20100401	DE19956036046T	19950710
DE69629597 D1	20030925	DE19966029597	19960124
DE69629597 D1	20030925	DE19966029597T	19960124
DE69629597 T2	20040513	DE19966029597T	19960124
EP0769926 A1	19970502	EP19950925591	19950710
EP0769926 B1	20030108	EP19950925591	19950710
EP0769926 B2	20061122	EP19950925591	19950710
EP0902704 A1	19990324	EP19960905195	19960124
EP0902704 A4	19990324	EP19960905195	19960124
EP0902704 B1	20030820	EP19960905195	19960124
EP1158929 A1	20011205	EP20000914893	20000308
EP1221307 A2	20020710	EP20020076318	19950710
EP1221307 A3	20030115	EP20020076318	19950710
EP1221307 B1	20100217	EP20020076318	19950710

EP1695673 A2	20060830	EP20060076215	19950710
EP1695673 A3	20090708	EP20060076215	19950710
EP1716821 A2	20061102	EP20060076214	19950710
EP1716821 A3	20090708	EP20060076214	19950710
ES2185707 T3	20030501	ES19950925591T	19950710
ES2185707 T5	20070501	ES19950925591T	19950710
ES2203680 T3	20040416	ES19960905195T	19960124
ES2340142 T3	20100531	ES20020076318T	19950710
JP10504738 T2	19980512	JP19960504446T	19950710
JP2002537943 T2	20021112	JP20000603611T	20000308
JP2004267796 A2	20040930	JP20040164325	20040602
JP4071742 B2	20080402	JP20040164325	19950710
JP4071742 B2	20080402	JP20040164325	20040602
US2001000797 AA	20010503	US20000751426	20001229
US2002062135 AA	20020523	US20020051537	20020118
US2002072765 AA	20020613	US20020051565	20020116
US2002087187 AA	20020704	US20020051591	20020118
US2002095172 AA	20020718	US20020051492	20020118
US2002095173 AA	20020718	US20020051648	20020118
US2002138095 AA	20020926	US20020060272	20020130
US2002169474 AA	20021114	US20020184327	20020627
US2004006368 AA	20040108	US20030607328	20030626
US2005021076 AA	20050127	US20040919735	20040817
US2005090857 AA	20050428	US20040989787	20041116
US2005119689 AA	20050602	US20040006165	20041206
US2005119690 AA	20050602	US20040006449	20041206
US2005192623 AA	20050901	US20050098898	20050404
US2005192624 AA	20050901	US20050120813	20050503
US2005203570 AA	20050915	US20050120471	20050503
US2005203571 AA	20050915	US20050120594	20050503
US2005203572 AA	20050915	US20050120712	20050503
US2005203573 AA	20050915	US20050121740	20050503
US2005203574 AA	20050915	US20050121741	20050503
US2005216051 AA	20050929	US20050120830	20050503
US2005216052 AA	20050929	US20050121739	20050503
US2005222606 AA	20051006	US20050120733	20050503
US2008065146 AA	20080313	US20070939888	20071114
US2008065147 AA	20080313	US20070940000	20071114
US2008071308 AA	20080320	US20070939784	20071114
US2008071309 AA	20080320	US20070939827	20071114
US2008125806 AA	20080529	US20070939859	20071114
US2011208234 AA	20110825	US20110100880	20110504
US6168622 BA	20010102	US19980119823	19980721
US6506204 BB	20030114	US20000751426	20001229
US6605102 BA	20030812	US19960748066	19961112
US6712835 BB	20040330	US20020051537	20020118
US6949103 BB	20050927	US20020051565	20020116
US6989019 BB	20060124	US20020051591	20020118
US7033375 BB	20060425	US20020051492	20020118
US7048752 BB	20060523	US20020051648	20020118
US7367985 BB	20080506	US20050120733	20050503
US7367986 BB	20080506	US20050121740	20050503
US7371250 BB	20080513	US20050120594	20050503
US7404820 BB	20080729	US20050098898	20050404
US7410492 BB	20080812	US20050120471	20050503
US7442200 BB	20081028	US20050121741	20050503
US7556635 BB	20090707	US20040919735	20040817
US7556636 BB	20090707	US20050120813	20050503
US7566338 BB	20090728	US20030607328	20030626
US7572273 BB	20090811	US20050120712	20050503
US7578830 BB	20090825	US20040989787	20041116
US7670355 BB	20100302	US20070939827	20071114
US7670356 BB	20100302	US20070939888	20071114
US7678130 BB	20100316	US20040006165	20041206
US7686815 BB	20100330	US20050121739	20050503
US7828815 BB	20101109	US20050120830	20050503
US7828816 BB	20101109	US20070939784	20071114
US7922732 BB	20110412	US20070940000	20071114
US7947060 BB	20110524	US20070939859	20071114
WO0053120 A1	20000914	WO2000US06212	20000308
WO0053120 C2	20020328	WO2000US06212	20000308
WO9601591 A1	19960125	WO1995US08613	19950710
WO9726939 A1	19970731	WO1996US00893	19960124

Priority:

US19940272425	19940708	EP19950925591	19950710	EP20020076318	19950710
JP19960504446T	19950710	WO1995US08613	19950710	WO1996US00893	19960124
US19960748066	19961112	US19980119823	19980721	US19990124156P	19990308
US20000936248	20000308	WO2000US06212	20000308	US20000751426	20001229
US20020051565	20020116	US20020051492	20020118	US20020051591	20020118
US20020051565	20020118	US20020051537	20020118	US20020051648	20020118
US20020936248	20020128	US20020060272	20020130	US20020184327	20020627
US20030607328	20030626	US20040919735	20040817	US20040989787	20041116

US20040006449	20041206	US20040006165	20041206	US20050098898	20050404
US20050120830	20050503	US20050120712	20050503	US20050120813	20050503
US20050120471	20050503	US20050120594	20050503	US20050120733	20050503
US20050121739	20050503	US20050121741	20050503	US20050121740	20050503
US20070939859	20071114	US20070940000	20071114	US20070939888	20071114
US20070939827	20071114	US20070939784	20071114	US20110100880	20110504

Probable Assignee: TYCO HEALTHCARE GROUP LP

Assignee(s): (std): AGA MEDICAL CORP ; ANDERSON KENT ; ANDERSON KENT D ; CLAUDE TIMOTHY ; EV3 INC ; KUSLEIKA RICHARD S ; MAZZOCCHI RUDY ; MICROVENA CORP ; NGUYEN DUY ; SEGERMARK JAMES ; TYCO HEALTHCARE

Assignee(s): TYCO HEALTHCARE GROUP LP ; ST JUDE MEDICAL CARDIOLOGY DIVISION INC ; MICROVENA CORP WHITE BEAR LAKE ; MAZZOCCHI RUDY ; LEHMAN COMMERCIAL PAPER INC ; EV3 INC PLYMOUTH ; EV3 LLC ; BANK OF AMERICA NA

Inventor(s): (std): NGUYEN DUY ; MAZZOCCHI RUDY ; MAZZOCCHI RUDY ; KUSLEIKA RICHARD S ; CLAUDE TIMOTHY ; ANDERSON KENT D ; ANDERSON KENT ; SEGERMARK JAMES

Inventor(s): RICHARD S KUSLEIKA ; KUSLEIKA RICHARD ; KENT ANDERSON ; DUY NGUYEN ; JAMES SEGERMARK ; KENT D ANDERSON ; RUDY MAZZOCCHI ; TIMOTHY CLAUDE

Agent(s): SIM AND MCBURNEY; FINLAYSON AND SINGLEHURST; HOWE STEVEN; ISHIDA TAKASHI; HIGUCHI SOTOJI; NISHIYAMA MASAYA; TSURUTA JUNICHI; POPOVICH WILES AND O'CONNELL PA 650 THIRD AVENUE SOUTH; POPOVICH WILES AND O'CONNELL PA, 650 THIRD AVENUE SOUTH; POPOVICH AND WILES PA; POPOVICH WILES AND O'CONNELL PA; POPVICH WILES AND O'CONNELL PA

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA 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 TZ UA UG US UZ VN YU ZA ZW

4) Family number: 29990527 (US2003093097A)

© PatBase

Title: ANEURYSM EMBOLIC DEVICE WITH AN OCCLUSIVE MEMBER

Abstract: An aneurysm embolic device is disclosed for use in occluding the flow of blood within an aneurysm. The aneurysm embolic device includes an expandable sealing member having a circular joining member and reinforcing spokes which give the sealing member a slightly cupped configuration. The embolic device also includes an occlusive member carried by the expandable sealing member. When the aneurysm embolic device is deployed within the aneurysm, the sealing member expands and the occlusive member fills the aneurysm preventing the flow of blood within the aneurysm.

Classifications:

International (IPC 8-9): A61B17/08 A61B17/12

A61M29/00 (Advanced/Invention);

A61B17/00 (Advanced/Non-invention)

International (IPC 1-7): A61B17/08 A61B17/12 A61M29/00

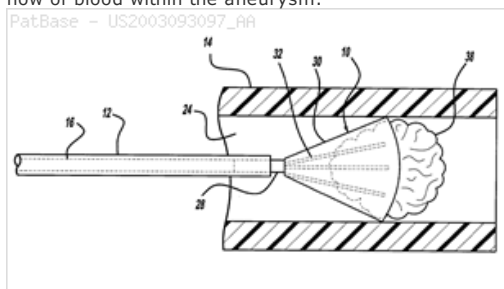
CPC: A61B17/12022 A61B17/12113 A61B17/12172 A61B17/1219

A61B2017/00539 A61B2017/1205

European: A61B17/12P A61B17/12P5B1 A61B17/12P7W1

A61B17/12P7Z3 K61B17/00N2 K61B17/12P2

US: 606/157 606/157P 606/200 606/200P



Family:

Publication number	Publication date	Application number	Application date
AT355790 E	20070315	AT20020257894T	20021115
DE60218607 D1	20070419	DE20026018607	20021115
DE60218607 T2	20071108	DE20026018607T	20021115
EP1316293 A2	20030604	EP20020257894	20021115
EP1316293 A3	20031210	EP20020257894	20021115
EP1316293 B1	20070307	EP20020257894	20021115
JP2003190292 A2	20030708	JP20020331113	20021114
JP4429589 B2	20100310	JP20020331113	20021114
US2003093097 AA	20030515	US20020295196	20021115
US2006235464 AA	20061019	US20060452852	20060613
US7083632 BB	20060801	US20020295196	20021115

Priority:

US20010335489	20011115	US20010335489P	20011115	US20020295196	20021115
US20060452852	20060613				

Probable Assignee: CODMAN AND SHURTLEFF INC

Assignee(s): (std): LULO ROBERT ; CORDIS NEUROVASCULAR INC ; AVELLANET ERNESTO

Assignee(s): DEPUY SPINE LLC ; CODMAN AND SHURTLEFF INC ; DEPUY SPINE INC ; DEPUY SYNTHES PRODUCTS LLC ; HAND INNOVATIONS LLC

Inventor(s): (std): LULO ROBERT ; AVELLANET ERNESTO

Inventor(s): ROBERT LULO ; ERNESTO AVELLANET

Agent(s): PHILIP S JOHNSON JOHNSON AND JOHNSON; HENRY W

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

5) Family number: 32173466 (US2005228434A)

© PatBase

Title: MULTI-LAYER BRAIDED STRUCTURES FOR OCCLUDING VASCULAR DEFECTS

Abstract: A collapsible medical device and associated methods of occluding an abnormal opening in, for example, a body organ, wherein the medical device is shaped from plural layers of a heat-treatable metal fabric. Each of the fabric layers is

formed from a plurality of metal strands and the assembly is heat-treated within a mold in order to substantially set a desired shape of the device. By incorporating plural layers in the thus-formed medical device, the ability of the device to rapidly occlude an abnormal opening in a body organ is significantly improved.

Classifications:

International (IPC 8-9): A61B A61B17/00 A61B17/03 A61B17/08 A61B17/12 A61F A61F2/00 A61F2/01 A61F2/02 A61F2/06 A61F2/07 A61F2/24 A61F2/82 A61F2/84 A61F2/86 A61F2/90 A61L27/04 A61L27/14 A61L31/12 A61M A61M25/01 A61M29/00

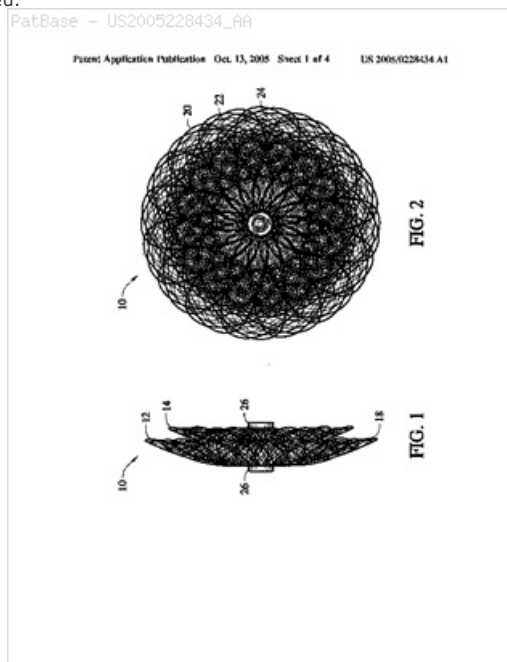
A61M29/02 (Advanced/Invention);
A61B17/00 A61B17/03 A61B17/12 A61B19/00 A61F2/06 A61F2/24 A61F2/84 A61F2/86 A61L27/04 A61L27/14 A61L31/02 A61L31/04 A61L31/12 A61M25/01 A61M29/00 (Advanced/Non-invention);
A61B17/00 A61B17/03 A61B17/12 A61F2/00 A61F2/06 A61F2/82 A61L27/00 A61M25/01 A61M29/00 A61M29/02 (Core/Invention);
A61L31/02 (Core/Non-invention);
A61B A61M (Subclass/Invention);
A61F (Subclass/Non-invention)

International (IPC 1-7): A61B17/00 A61B17/08 A61B17/12 A61F2/00 A61F2/04 A61F2/06 A61M29/00

CPC: A61B2017/00597 D04C1/02 D04C3/48 D10B2509/06 A61F2/90 A61F2250/0039 A61F2210/0076 A61F2250/0063 A61B2017/00632 A61B17/12031 A61F2/07 A61B17/12045 A61B17/12113 A61B17/12177 A61B90/39 A61B2017/00601 A61B2017/00831 A61B17/12159 A61B17/12163 A61B2017/12127 A61F2/24 A61F2250/0069 E01D19/047 E01D21/08 A61B17/12109 A61B17/0057 A61B17/12022 A61B17/12122 A61B17/12172 A61B2017/00575 A61B2017/00592 A61B2017/00606 A61B2017/00867

European: A61B17/00P A61B17/12P A61B17/12P5B A61B17/12P5H A61B17/12P7P A61B17/12P7S A61B17/12P7W1 A61F2/07 A61F2/24B K61B17/00P5 K61B17/00P5E K61B17/00P5F K61B17/00P5G K61B17/00P5H K61B17/00S K61B17/00S12 K61B17/12P K61B17/12P6 K61B19/54

US: 1/1 606/191 606/195 606/195P 606/200 606/200P 606/213 606/213P 606/213S 623/1.13 623/1.130P 623/1.15 623/1.18 623/1.19 623/1.2 623/1.3



Family:

Publication number	Publication date	Application number	Application date
AT397894 E	20080715	AT20050251472T	20050311
AT473690 E	20100715	AT20050075105T	20050311
AT536141 E	20111215	AT20050005062T	20050311
AU2005201132 AA	20051006	AU20050201132	20050316
AU2005201132 BB	20060629	AU20050201132	20050316
AU2007221940 AA	20090122	AU20070221940	20071010
AU2007221940 BB	20090326	AU20070221940	20071010
AU2009202593 AA	20090716	AU20090202593	20090626
AU2009202593 AH	20140213	AU20090202593	20090626
AU2009202593 BB	20140116	AU20090202593	20090626
AU2009202593 BH	20140213	AU20090202593	20090626
AU2009215690 AA	20090827	AU20090215690	20090216
AU2009215690 BB	20140123	AU20090215690	20090216
AU2009292028 AA	20100318	AU20090292028	20090820
AU2009292028 AB	20110512	AU20090292028	20090820
AU2009292028 BB	20150205	AU20090292028	20090820
BRPI0500995 A	20050802	BR2005PI00995	20050316
BRPI0705976 A2	20090324	BR2007PI05976	20071101
BRPI0907566 A2	20150714	BR2009PI07566	20090216
BRPI0918247 A2	20151215	BR2009PI18247	20090820
CA2501033 AA	20050919	CA20052501033	20050316
CA2501033 C	20080722	CA20052501033	20050316
CA2607529 AA	20080428	CA20072607529	20071024
CA2607529 C	20091229	CA20072607529	20071024
CA2674799 AA	20080428	CA20072674799	20071024
CA2674799 C	20140909	CA20072674799	20071024
CA2714080 AA	20100804	CA20092714080	20090216
CA2714080 C	20161108	CA20092714080	20090216
CA2735528 AA	20110228	CA20092735528	20090820
CA2735528 C	20161011	CA20092735528	20090820
CN101687088 A	20100331	CN200780053425	20070823
CN101687088 B	20160914	CN200780053425	20070823
CN101951856 A	20110119	CN200980105346	20090216
CN101951856 B	20140416	CN200980105346	20090216
CN102149424 A	20110810	CN200980135936	20090820
CN1315439 C	20070516	CN200510071608	20050318
CN1672644 A	20050928	CN200510071608	20050318
CY1111116 T1	20150611	CY20101100887T	20101006
CY1112250 T1	20151209	CY20121100058T	20120117
DE602005007402 D1	20080724	DE200560007402T	20050311
DE602005022366 D1	20100826	DE200560022366T	20050311
DE602005031605 D1	20120209	DE200560031605T	20050311
DE602007057604 D1	20190307	DE200760057604T	20071003
DK1576929 T3	20080929	DK20050251472T	20050311
DK1576929 T4	20120709	DK20050251472T	20050311
DK1923005 T3	20101025	DK20050075105T	20050311
DK1923005 T3	20101025	DK20080075105T	20050311
DK2228020 T3	20120227	DK20100005062T	20050311

DK2228020 T3	20120227	DK20050005062T	20050311
EA007112 B1	20060630	EA20050000381	20050318
EA200500381 A1	20051027	EA20050000381	20050318
EP1576929 A2	20050921	EP20050251472	20050311
EP1576929 A3	20060503	EP20050251472	20050311
EP1576929 B1	20080611	EP20050251472	20050311
EP1576929 B2	20120613	EP20050251472	20050311
EP1923005 A2	20080521	EP20080075105	20050311
EP1923005 A3	20080625	EP20080075105	20050311
EP1923005 B1	20100714	EP20080075105	20050311
EP2014239 A2	20090114	EP20070253907	20071003
EP2014239 A3	20120125	EP20070253907	20071003
EP2014239 B1	20170426	EP20070253907	20071003
EP2228020 A1	20100915	EP20100005062	20050311
EP2228020 B1	20111207	EP20100005062	20050311
EP2228020 B2	20200318	EP20100005062	20050311
EP2254505 A2	20101201	EP20090712489	20090216
EP2254505 A4	20140730	EP20090712489	20090216
EP2254505 B1	20190724	EP20090712489	20090216
EP2340077 A1	20110706	EP20090813433	20090820
EP2340077 A4	20150311	EP20090813433	20090820
EP2340077 B1	20161116	EP20090813433	20090820
EP3202333 A1	20170809	EP20170159943	20071003
EP3202333 B1	20190213	EP20170159943	20071003
ES2308396 T3	20081201	ES20050251472T	20050311
ES2308396 T5	20130208	ES20050251472T	20050311
ES2360242 T3	20110602	ES20080075105T	20050311
ES2394954 T3	20130207	ES20100005062T	20050311
ES2633112 T3	20170919	ES20070253907T	20071003
ES2723703 T3	20190830	ES20170159943T	20071003
HK1077990 A1	20060303	HK20060100702	20060116
HK1077990 A3	20060303	HK20060100702	20060116
HK1077990 B	20070824	HK20060100702	20060116
HK1136981 A1	20100716	HK20100104912	20100519
HK1148185 A1	20110902	HK20110102507	20110314
HK1148185 B	20120525	HK20110102507	20110314
HK1153113 A1	20120323	HK20110107263	20110713
HK1159006 A1	20120727	HK20110113824	20111222
HK1159006 A3	20120727	HK20110113824	20111222
HK1159006 B	20171222	HK20110113824	20111222
IN05873DN2010 A	20111125	IN2010DN05873	20100818
IN08337DN2009 A	20100723	IN2009DN08337	20091221
JP2005261951 A2	20050929	JP20050078665	20050318
JP2009000497 A2	20090108	JP20070311964	20071203
JP2009213900 A2	20090924	JP20090114318	20090511
JP2011512204 T2	20110421	JP20100546947T	20090216
JP2012501793 T2	20120126	JP20110526898T	20090820
JP4352015 B2	20091028	JP20050078665	20050318
JP4565000 B2	20101020	JP20070311964	20071203
JP4921517 B2	20120425	JP20090114318	20090511
JP5350399 B2	20131127	JP20100546947T	20090216
JP5461562 B2	20140402	JP20110526898T	20090820
KR100650969 B1	20061130	KR20050022530	20050318
KR101164478 B1	20120718	KR20097026534	20070823
KR101223313 B1	20130116	KR20107003830	20070823
KR20060044378 A	20060516	KR20050022530	20050318
KR20100032380 A	20100325	KR20097026534	20070823
KR20100039412 A	20100415	KR20107003830	20070823
KR20100122905 A	20101123	KR20107018186	20090216
KR20110059610 A	20110602	KR20117005564	20090820
MX2007012825 A1	20090203	MX20070012825	20071015
MX2010008094 A1	20100804	MX20100008094	20090216
MX2011002315 A1	20110510	MX20110002315	20090820
MXPA05002928 A1	20050930	MX2005PA02928	20050316
NZ538682 A	20051028	NZ20050538682	20050308
PL1576929 T3	20081128	PL20050251472T	20050311
PL1576929 T5	20121031	PL20050251472T	20050311
PL1923005 T3	20101231	PL20080075105T	20050311
PL2228020 T3	20120531	PL20100005062T	20050311
PT1576929 T	20080807	PT20050251472T	20050311
PT1923005 T	20100827	PT20080075105T	20050311
PT2228020 T	20120112	PT20100005062T	20050311
RU2010101786 A	20110727	RU20100101786	20070823
RU2010138547 A	20120327	RU20100138547	20090216
RU2011113961 A	20121020	RU20110113961	20090820
RU2446773 C2	20120410	RU20100101786	20070823
SG115853 A1	20051028	SG20050002755	20050309
SI1923005 T1	20101130	SI20050031113T	20050311
SI2228020 T1	20120229	SI20050031456T	20050311
US2005228434 AA	20051013	US20040804993	20040319

US2006241690 AA	20061026	US20060473971	20060623
US2007265656 AA	20071115	US20070820841	20070621
US2008200945 AA	20080821	US20080040260	20080229
US2009062841 AA	20090305	US20080208787	20080911
US2009210048 AA	20090820	US20080032944	20080218
US2013012979 AA	20130110	US20120618483	20120914
US2014135827 AA	20140515	US20140157682	20140117
US2014288591 AA	20140925	US20140282134	20140520
US2015133994 AA	20150514	US20150593625	20150109
US2018132835 AA	20180517	US20170850044	20171221
US2019142406 AA	20190516	US20190246811	20190114
US8313505 BB	20121120	US20080040260	20080229
US8398670 BB	20130319	US20060473971	20060623
US8747453 BB	20140610	US20080032944	20080218
US8777974 BB	20140715	US20070820841	20070621
US9039724 BB	20150526	US20080208787	20080911
US9445798 BB	20160920	US20140157682	20140117
US9445799 BB	20160920	US20140282134	20140520
US9877710 BB	20180130	US20120618483	20120914
US10624619 BB	20200421	US20170850044	20171221
WO07149107 A1	20071227	WO2006US30914	20060808
WO08156464 A1	20081224	WO2007US18637	20070823
WO09105395 A2	20090827	WO2009US34182	20090216
WO09105395 A3	20091001	WO2009US34182	20090216
WO09105395 A4	20091112	WO2009US34182	20090216
WO10030485 A1	20100318	WO2009US54476	20090820
ZA200502143 A	20071227	ZA20050002143	20050314

Priority:

US20040804993	20040319	EP20050251472	20050311	EP20080075105	20050311
EP20100005062	20050311	CA20052501033	20050316	CA20052501033	20050316
JP20050078665	20050318	US20060473971	20060623	US20070820841	20070621
WO2007US18637	20070823	EP20070253907	20071003	EP20170159943	20071003
AU20070221940	20071010	CA20072607529	20071024	CA20072674799	20071024
EP20080075105	20080211	US20080032944	20080218	US20080040260	20080229
US20080208787	20080911	WO2009US34182	20090216	AU20090202593	20090626
WO2009US54476	20090820	CA20092607529	20090901	US20120618483	20120914
US20140157682	20140117	US20140282134	20140520	US20150593625	20150109
US20170850044	20171221	US20190246811	20190114		

Probable Assignee: ST JUDE MEDICAL CARDIOLOGY DIVISION INC

Assignee(s): (std):	HEIDNER MATTHEW C ; KURT AMPLATZ ; REN BROOKE ; ST JUDE MEDICAL CARDIOLOGY DIV ; ST JUDE MEDICAL CARDIOLOGY DIV INC ; ST JUDE MEDICAL CARDIOLOGY DIVISION ; WISE DEREK ; SANTER JANA ; OSLUND JOHN ; GLIMSDALE MATT ; ANDERSON KENT ; ADAMS DANIEL O ; THILL GARY A ; OSLUND JOHN C ; GU XIAOPING ; AGA MEDICAL CORP ; AMPLATZ KURT ; EHJDZHIEHJ MEDIKAL CORP ; RUSSO PATRICK
Assignee(s):	LEHMAN COMMERCIAL PAPER INC ; EHJDZHIEHJ MEDIKAL KORPOREJSHN ; BANK OF AMERICA NA ; AGA MEDICAL CORP PLYMOUTH ; AGA MEDICAL CORP5050 NATHAN LANE NORTHPLYMOUTHMN55442US ; ST JUDE MEDICAL CARDIOLOGY DIVISION INC ST PAUL ; ST JUDE MEDICAL CARDIOLOGY DIVISION INC
Inventor(s): (std):	ANDERSEN KENT ; GLIMSDEJL MEHTT ; GU XIAOPING ; QIAN ZHONG ; SANTER JANA ; ADAMS DEHNIEL O ; SEHNTER DZHEJNA ; WISE DEREK ; THILL GARY A ; OSLUND JOHN C ; OSLUND JOHN ; GLIMSDALE MATT ; ADAMS DANIEL O ; XIAOPING GU ; VAJZ DEREK ; THILL GARY A G A ; THILL GARY A AMPLATZ KURT OSLU ; RUSSO PATRICK ; REN BROOKE ; PATRICK RUSSO ; OSLUND JOHN C J C ; OSLUND DZHON ; HEIDNER MATTHEW C ; EHMPLATTS KURT ; BROOKE REN ; AMPLATZ KURTZ ; MATT GLIMSDALE ; KENT ANDERSON ; JOHN OSLUND ; JANA SANTER ; DEREK WISE ; KURT AMPLATZ ; JOHN C OSLUND ; GARY A THILL ; AMPLATZ KURT ; ANDERSON KENT
Inventor(s):	AMPLATZ KURT NORTH OAKS ; ADAMS DANIEL OUS ; ADMAS DANIEL ; ADAMS DANIEL O LONG LAKE ; MATTHEW C HEIDNER ; KURTZ AMPLATZ ; ANDERSON KENT CHAMPLIN ; GLIMSDALE MATT ST MICHAEL ; OSLUND JOHN BLAINE ; WISE DEREK NEW BRIGHTON ; WISE DEREKUS ; THILL GARY ; THILL GARY A WEBSTER ; AMPLATZ KURTUS ; SANTER JANA SPRING LAKE PARK ; SANTER JANAUS ; KENT ANDERSEN ; OSLUND JOHNUS ; ANDERSON KENTUS ; DANIEL O ADAMS ; GLIMSDALE MATTUS
Agent(s):	GRIFFITH HACK ; RIDOUT AND MAYBEE LLP ; DREISS PATENTANWAELTE PARTG MBB ; FLACH BAUER STAHL PATENTANWAELTE PARTNERSCHAFT MBB ; CHARIG RAYMOND JULIAN ET AL ; CHARIG RAYMOND JULIAN ; POTTER CLARKSON LLP ; POTTER CLARKSON ; URIZAR JOSE ANTONIO ; CARPINTERO MARIO ; WENPING AND CO ; NIKOLAI AND MERSEREAU PA ; ALSTON AND BIRD LLP ; ARMSTRONG TEASDALE LLP ; ARMSTRONG TEASADALE LLP ; KELLEY MATTHEW E ; KIRK TRENT A
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

6) Family number: 42647128 (US2011022149A)

© PatBase

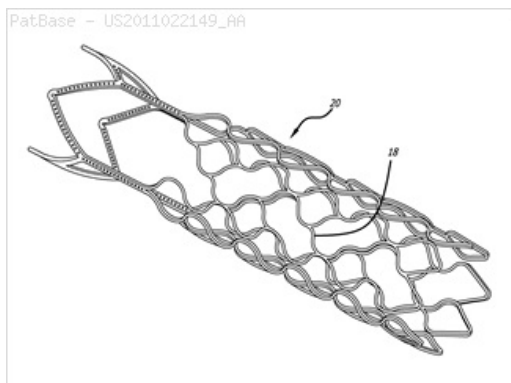
Title: METHODS AND DEVICES FOR TREATMENT OF VASCULAR DEFECTS

Abstract: Devices and methods for treatment of a patient's vasculature with some embodiments configured for delivery with a microcatheter for treatment of the cerebral vasculature of a patient. Some embodiments include thin permeable membranes configured to occlude blood flow therethrough.

Classifications:

International (IPC 8-9): A61B17/12 A61F2/01 A61F2/06 A61F2/82 A61F2/84 A61F2/86 A61F2/90 A61F2/91 A61F2/915 A61M29/00 (Advanced/Invention); A61B17/12 A61F2/00 A61F2/82 (Advanced/Non-invention) CPC: A61B17/12022 A61B17/12118 A61B17/12172 A61B17/12177 A61B17/1219 A61F2/0077 A61F2/91 A61F2/915 A61F2002/823

A61F2002/9155 A61F2002/91558 A61F2210/0076 A61F2220/005
A61F2220/0075 A61F2230/0054 A61F2230/006 A61F2230/0069
A61F2230/0076 A61B17/12031 A61B17/12181 A61B2017/1205
A61F2/06 A61F2/82 A61F2/86 A61F2/90
European: A61B17/12P5B1S A61B17/12P7W1 A61B17/12P7W3
A61B17/12P7Z3 A61F2/91 A61F2/915 K61B17/12P K61F2/00L
K61F2/82R K61F2/915G K61F2/915G2
US: 1/1 623/1.11 623/1.110P 623/1.13 623/1.15 623/1.150P
623/1.150S 623/1.16 623/1.18 623/1.39



Family:

Publication number	Publication date	Application number	Application date
EP2157937 A1	20100303	EP20080770070	20080603
EP2157937 A4	20140521	EP20080770070	20080603
EP2157937 B1	20170322	EP20080770070	20080603
US2011022149 AA	20110127	US20080602997	20080603
US2012165919 AA	20120628	US20120415676	20120308
US2013274862 AA	20131017	US20130915575	20130611
US2013274863 AA	20131017	US20130915588	20130611
US2013274866 AA	20131017	US20130915568	20130611
US2013274868 AA	20131017	US20130794473	20130311
US2014052233 AA	20140220	US20130044349	20131002
US2016015396 AA	20160121	US20150869688	20150929
US2017245862 AA	20170831	US20170595660	20170515
US9259337 BB	20160216	US20130915588	20130611
WO08151204 A1	20081211	WO2008US65694	20080603

Priority:

US20070941916P 20070604	US20070941928P 20070604	US20070948683P 20070709
US20070971366P 20070911	US20080044822P 20080414	US20080044822 20080414
US20080602997 20080603	WO2008US65694 20080603	US20100602997 20101008
US20120415676 20120308	US20130794473 20130311	US20130794473 20130311
US20130915575 20130611	US20130915568 20130611	US20130915588 20130611
US20130044349 20131002	US20150869688 20150929	US20170595660 20170515

Probable Assignee: SEQUENT MEDICAL INC

Assignee(s): (std): COX BRIAN J ; ROSENBLUTH ROBERT F ; SCHAEFER DEAN ; SEQUENT MEDICAL INC

Inventor(s): (std): COX BRIAN J ; ROSENBLUTH ROBERT F ; SCHAEFER DEAN

Agent(s): SCHAUMBURG THOENES THURN LANDSKRON ECKERT; SCHAUMBURG U PARTNER PATENTANWAELTE
MBB; GRANT ANDERSON LLP,C/O PORTFOLIOIP; GRANT ANDERSON LLP C O PORTFOLIOIP; OMELVENY
AND MYERS LLP; GRANT BRUCE 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
CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL
IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT
MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY
SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 34394235 (US2007088387A)

© PatBase

Title: IMPLANTABLE ANEURYSM CLOSURE SYSTEMS AND METHODS

Abstract: An implantable closure structure is delivered using minimally invasive techniques and inhibits the migration of liquid and particulate matter from inside a physiological cavity or opening, such as an aneurysm, as well as inhibiting the flow of liquid and particulate matter, such as from an associated blood vessel, into a physiological cavity or opening. The device has a flexible patch supported by a framework structure that covers the neck or opening of a cavity such as an aneurysm and may have anchoring structures for supporting the flexible patch in place across the opening.

Classifications:

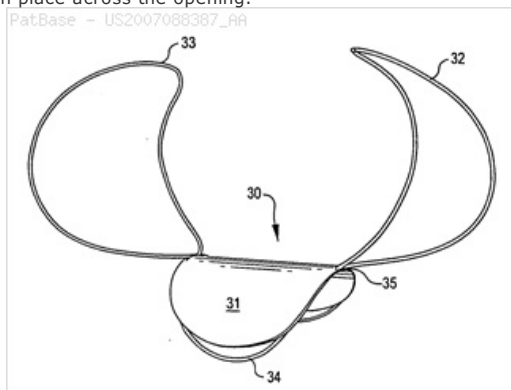
International (IPC 8-9): A61B A61B17/00 A61B17/04 A61B17/08
A61B17/11 A61B17/12 A61B17/122 A61F2/04 A61F2/06 A61L31/00
A61M A61M25/00 A61M29/00 (Advanced/Invention);
A61B17/00 A61B17/04 A61B17/08 A61B17/11 A61B17/12
A61B90/00 A61F2/06 (Advanced/Non-invention);
A61B17/03 A61B17/04 A61B17/12 A61F2/06 A61L31/00 A61M25/00
A61M29/00 (Core/Invention);
A61B A61M (Subclass/Invention)

International (IPC 1-7): A61B17/08

CPC: A61B17/12022 A61B17/12113 A61B17/12172 A61B90/39
A61B2017/00867 A61B2017/1205 A61B2017/12054 A61B17/12109
A61B17/122 A61F2/06

European: A61B17/12P A61B17/12P5B1 A61B17/12P7W1
K61B17/00S12 K61B17/12P2 K61B19/54

US: 1/1 606/191 606/200 606/213 606/213P 623/1.11



Family:

Publication number	Publication date	Application number	Application date
AU2006304660 AA	20070426	AU20060304660	20061018

AU2006304660 BB	20131024	AU20060304660	20061018
AU2014200427 AA	20140220	AU20140200427	20140124
AU2014200427 BB	20160114	AU20140200427	20140124
BRPI0617652 A2	20110802	BR2006PI17652	20061018
CA2625826 AA	20080411	CA20062625826	20061018
CA2625826 AA	20070426	CA20062625826	20061018
CA2625826 C	20140805	CA20062625826	20061018
CA2857828 AA	20070426	CA20062857828	20061018
CA2857828 C	20180828	CA20062857828	20061018
CA3012241 AA	20070426	CA20063012241	20061018
CA3012247 AA	20070426	CA20063012247	20061018
CN101489492 A	20090722	CN200680047626	20061018
CN101489492 B	20130501	CN200680047626	20061018
CN103230290 A	20130807	CN201310106823	20061018
CN103381101 A	20131106	CN201310108702	20061018
CN103381101 B	20171201	CN201310108702	20061018
DE602006033264 D1	20130117	DE200660033264T	20061018
EP1951129 A2	20080806	EP20060826291	20061018
EP1951129 A4	20091223	EP20060826291	20061018
EP1951129 B1	20121121	EP20060826291	20061018
HK1134421 A1	20100430	HK20100100192	20100108
HK1134421 B	20140314	HK20100100192	20100108
HK1187804 A1	20140417	HK20140101100	20140205
HK1190900 A1	20140718	HK20140104140	20140430
HK1190900 B	20181019	HK20140104140	20140430
IL190565 A0	20081103	IL20060190565	20061018
IL190565 A1	20150430	IL20060190565	20061018
IN04142DN2008 A	20080801	IN2008DN04142	20080515
JP2009512515 T2	20090326	JP20080536802T	20061018
JP2013208440 A2	20131010	JP20130098487	20130508
JP2013226419 A2	20131107	JP20130098488	20130508
JP2015083139 A2	20150430	JP20140234876	20141119
JP5785215 B2	20150924	JP20130098487	20130508
JP5955266 B2	20160720	JP20130098488	20130508
JP6195817 B2	20170913	JP20140234876	20141119
KR101334502 B1	20131205	KR20087011871	20061018
KR20080081899 A	20080910	KR20087011871	20061018
US2007088387 AA	20070419	US20060324827	20060103
US2007191884 AA	20070816	US20070737700	20070419
US2014142608 AA	20140522	US20130022088	20130909
US2017273688 AA	20170928	US20160346503	20161108
US2020046361 AA	20200213	US20190654360	20191016
US8545530 BB	20131001	US20060324827	20060103
US8551132 BB	20131008	US20070737700	20070419
US9510835 BB	20161206	US20130022088	20130909
US10499927 BB	20191210	US20160346503	20161108
WO07047851 A2	20070426	WO2006US40907	20061018
WO07047851 A3	20090326	WO2006US40907	20061018

Priority:

US20050728052	20051019	US20050726052P	20051019	US20050728052P	20051019
US20060324827	20060103	US20060324827	20060113	US20060747400P	20060516
US20060803200P	20060525	US20060823730P	20060828	AU20060304660	20061018
CA20062625826	20061018	CA20062857828	20061018	JP20080536802	20061018
JP20130098487	20061018	JP20080536802T	20061018	EP20060826291	20061018
CN200680047626	20061018	WO2006US40907	20061018	US20070737700	20070419
US20130022088	20130909	AU20140200427	20140124	CA20142625826	20140812
US20160346503	20161108	CA20182857828	20180801	CA20182857828	20180802
US20190654360	20191016				

Probable Assignee: PULSAR VASCULAR INC

Assignee(s): (std): PULSAR VASCULAR INC ; PEASE MATTHEW ; MUSKIVITCH JOHN CONRAD ; MAST GREGORY MARTIN ; ESKRIDGE JOSEPH ; CLARKE GILBERT

Assignee(s): PULSAR VASCULAR INC SEATTLE ; PUSLAR VASCULAR INC ; PULSAR VASCULAR INC501 - 1600 E. JEFFERSON STREETSEATTLEWA98122US

Inventor(s): (std): MAST GREGORY MARLIN ; PEASE MATTHEW ; MUSKIVITCH JOHN CONRAD ; MUSKIVITCH JOHN C ; MATTHEW PEASE ; MAST GREGORY MARTIN ; MAST GREGORY M ; MARTIN MAST GREGORY ; JOSEPH ESKRIDGE ; GILBERT CLARKE ; ESKRIDGE JOSEPH ; CONRAD MUSKIVITCH JOHN ; CLARKE GILBERT

Inventor(s): CLARKE GILBERTUS ; ESKRIDGE JOSEPHUS ; MAST GREGORY ; MATHEW PEASE ; MAST GREGORY MARTINUS ; MUSKIVITCH JOHN ; MUSKIVITCH JOHN CONRADUS ; MAST GREGORY MARTIN FREEMONT ; MUSKIVITCH JOHN CONRAD CUPERTINO ; PEASE MATTHEW MOUNTAIN VIEW ; PEASE MATTHEWUS ; CLARKE GILBERT KIRKLAND ; ESKRIDGE JOSEPH CLYDE HILL ; GREGORY MARTIN MAST ; JOHN CONRAD MUSKIVITCH

Agent(s): PETER MAXWELL AND ASSOCIATES; SPRUSON AND FERGUSON; FISHER ADAMS KELLY CALLINANS; SMART AND BIGGAR; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; BECKER KURIG STRAUS; HOEIBERG A/S; HOEIBERG A S; CHINA PATENT AGENT HK LTD; SANFORD TCOLB AND CO; MATSUNAGA NOBUYUKI; MIYOSHI HIDEKAZU; KATO MASANOBU; SPECKMAN LAW GROUP PLLC; PERKINS COIE LLP; TROUTMAN SANDERS 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 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 ZA ZM ZW

Title: DEVICE FOR CLOSURE OF A VASCULAR DEFECT AND METHOD OF TREATING THE SAME

Abstract: A device for the non-invasive treatment of a vascular defect. The device includes at least one occlusive member having a first unexpanded configuration and a second expanded configuration and at least one securement member for securing the vaso-occlusive device to a support structure at the location of the vascular defect.

Classifications:

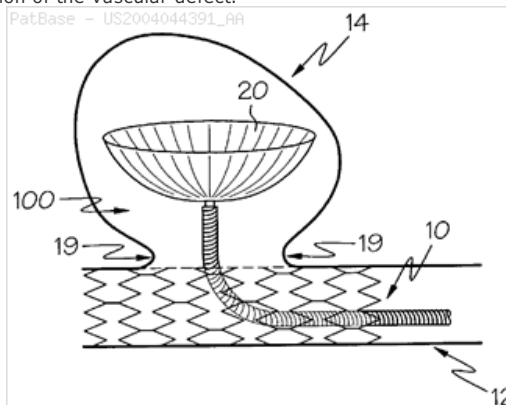
International (IPC 8-9): A61B17/12 A61F2/06 A61F2/82 A61F2/84 A61L31/00 A61M29/00 (Advanced/Invention); A61B17/12 A61F2/06 A61F2/82 A61L31/00 (Core/Invention)

International (IPC 1-7): A61B17/12 A61F2/06 A61L31/00 A61M29/00 A61M29/02

CPC: A61B17/12022 A61B17/12118 A61B17/12172 A61B17/1219 A61B2017/1205

European: A61B17/12P A61B17/12P5B1S A61B17/12P7W1 A61B17/12P7Z3 K61B17/12P2 K61B17/12P2D4

US: 606/200 606/200P 623/1.1 623/1.100P 623/1.11 623/1.16 623/1.160P



Family:

Publication number	Publication date	Application number	Application date
AT424149 E	20090315	AT20030791657T	20030729
AU2003256880 AA	20040319	AU20030256880	20030729
CA2485206 AA	20041105	CA20032485206	20030729
DE60326474 D1	20090416	DE20036026474	20030729
DE60326474 D1	20090416	DE20036026474T	20030729
EP1549229 A2	20050706	EP20030791657	20030729
EP1549229 B1	20090304	EP20030791657	20030729
JP2005537092 T2	20051208	JP20040532875T	20030729
JP4472525 B2	20100602	JP20040532875T	20030729
US2004044391 AA	20040304	US20020230803	20020829
US2005251200 AA	20051110	US20050185160	20050720
US2006206196 AA	20060914	US20060433280	20060512
US8444667 BB	20130521	US20050185160	20050720
US8747430 BB	20140610	US20060433280	20060512
WO04019791 A2	20040311	WO2003US24764	20030729
WO04019791 A3	20040624	WO2003US24764	20030729

Priority:

US20020230803 20020829 WO2003US24764 20030729 US20050185160 20050720
US20060433280 20060512

Probable Assignee: STRYKER CORP

Assignee(s): (std): PORTER STEPHEN ; SCIMED LIFE SYSTEMS INC ; STRYKER CORP ; BOSTON SCIENT LTD ; STRYKER OPERATIONS LTD NV ; BOSTON SCIENTIFIC LIMITED

Assignee(s): STRYKER MEDTECH LTD ; STRYKER EUROPEAN HOLDINGS I LLC ; BOSTON SCIENTIFIC LTD ; BOSTON SCIENTIFIC SCIMED INC ; STRYKER EUROPEAN HOLDINGS III LLC ; STRYKER EUROPEAN OPERATIONS HOLDINGS LLC

Inventor(s): (std): PORTER STEPHEN

Inventor(s): STEPHEN PORTER

Agent(s): PIASETZKI AND NENNIGER LLP; HAUCK PATENT- UND RECHTSANWAELTE; VIDAS ARRETT AND STEINKRAUS PA; 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 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

Title: REMOVABLE OCCLUSION SYSTEM FOR ANEURYSM NECK

Abstract: A system for treating an aneurysm in a vessel includes a delivery device having a delivery portion suitable for delivery of embolic material. The delivery device is placed in a neck of the aneurysm and an expandable member is placed proximate the neck. The expandable member is expanded to overlies substantially the entire neck. Embolic material is delivered to the aneurysm with a delivery device. The expandable member is held over the neck to inhibit movement of the embolic material out of the aneurysm. Blood is allowed to flow out of the aneurysm, past the neck of the aneurysm, and through the vessel while the expandable member is held over the neck of the aneurysm.

Classifications:

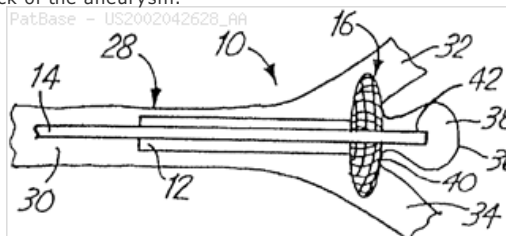
International (IPC 8-9): A61B17/00 A61B17/08 A61B17/12 A61M29/00 (Advanced/Invention); A61B17/00 A61B19/00 (Advanced/Non-invention)

International (IPC 1-7): A61B17/00 A61B17/12 A61M29/00

CPC: A61B17/12118 A61B2017/12063 A61B90/39 A61B2090/065 A61B17/0057 A61B17/12022 A61B17/12036 A61B17/1204 A61B17/12113 A61B17/12172 A61B17/12186 A61B2017/00867 A61B2017/1205

European: A61B17/12P A61B17/12P1P A61B17/12P1T A61B17/12P5B1 A61B17/12P5B1S A61B17/12P7W1 A61B17/12P7Z1 K61B17/00P K61B17/00S12 K61B17/12P2 K61B19/54

US: 1/1 604/107 606/159 606/191 606/194 606/198 606/198P 606/200 606/200P 606/213 623/23.72



Family:

Publication number	Publication date	Application number	Application date
AT416685 E	20081215	AT19980933190T	19980707
AU199882905 A1	19990208	AU19980082905	19980707
CA2294707 AA	19991231	CA19982294707	19980707
DE69840328 D1	20090122	DE19986040328	19980707
DE69840328 D1	20090122	DE19986040328T	19980707
EP0996370 A1	20000503	EP19980933190	19980707
EP0996370 B1	20081210	EP19980933190	19980707
ES2318871 T3	20090501	ES19980933190T	19980707
JP2001509413 T2	20010724	JP20000501697T	19980707
JP4358987 B2	20091104	JP20000501697T	19980707
US2002042628 AA	20020411	US20010990978	20011120
US2004193206 AA	20040930	US20030369015	20030219
US2005021077 AA	20050127	US20040923424	20040820
US2010004671 AA	20100107	US20090489158	20090622
US2015164512 AA	20150618	US20150632942	20150226
US2016174991 AA	20160623	US20160056784	20160229
US5928260 A	19990727	US19970891011	19970710
US6344048 BA	20020205	US19990301084	19990428
US6780196 BB	20040824	US20010990978	20011120
US7229461 BB	20070612	US20040923424	20040820
US7569066 BB	20090804	US20030369015	20030219
US9034054 BB	20150519	US20090489158	20090622
US9307998 BB	20160412	US20150632942	20150226
WO04073529 A2	20040902	WO2004US04944	20040219
WO04073529 A3	20041216	WO2004US04944	20040219
WO9902093 A1	19990121	WO1998US13989	19980707

Priority:

US19970891011 19970710	WO1998US13989 19980707	US19990301084 19990428
US20010990978 20011120	US20030369015 20030219	US20040923424 20040820
US20090489158 20090622	US20150632942 20150226	US20160056784 20160229

Probable Assignee: STRYKER CORP

Assignee(s): (std): BOSTON SCIENT LTD ; BOSTON SCIENT SCIMED INC ; CHIN YEM ; DASSA ALYSSA ; GERBERDING BRENT ; GRIFFIN STEPHEN ; GUTERMAN LEE ; SCIMED LIFE SYSTEMS INC ; STRYKER CORP ; STRYKER EUROP HOLDINGS I LLC ; STRYKER EUROPE HOLDINGS I LLC ; HUDSON RICHARD ; JANDAK JENNIFER ; TREMAGLIO ANTHONY R ; TREMAGLIO JR ANTHONY R

Assignee(s): TREMAGLIO ANTHONY R JR ; JANDAK JENNIFER L ; MCCRORY JENNIFER J ; STRYKER EUROPEAN HOLDINGS I LLC ; STRYKER EUROPEAN HOLDINGS III LLC ; STRYKER EUROPEAN OPERATIONS HOLDINGS LLC ; STRYKER MEDTECH LTD ; STRYKER OPERATIONS LTD NV ; GUTERMAN LEE R ; BOSTON SCIENTIFIC LIMITED ; BOSTON SCIENTIFIC LTD ; BOSTON SCIENTIFIC SCIMED INC

Inventor(s): (std): ANTHONY R TREMAGLIO JR ; CHIN YEM ; DASSA ALYSSA ; GERBERDING BRENT ; GRIFFIN STEPHEN ; GUTERMAN LEE ; GUTERMAN LEE R ; HUDSON RICHARD ; HUDSON RICHARD D ; JANDAK JENNIFER ; JANDAK JENNIFER L ; MCCRORY JENNIFER ; RICHARD HUDSON ; TREMAGLIO ANTHONY R JR ; YEM CHIN ; LEE R GUTERMAN ; JENNIFER J MCCRORY ; TREMAGLIO JR ANTHONY R ; TREMAGLIO ANTHONY R ; TREMAGLIO ANTHONY ; ALYSSA DASSA ; MCCRORY JENNIFER J

Inventor(s): JR ANTHONY R ; ANTHONY R TREMAGLIO ; TREMAGLIO

Agent(s): MARKS AND CLERK; SCHILDBERG PETER; DEIRDRE MEGLEY KVALE WESTMAN CHAMPLIN AND KELLY; VISTA IP LAW GROUP 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 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

10) Family number: 73923586 (US2019192168A)

© PatBase

Title: ANEURYSM DEVICE AND DELIVERY SYSTEM

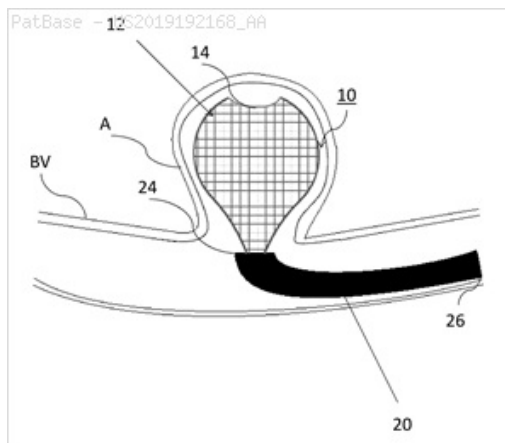
Abstract: The present disclosure relates to a self-expanding braid for treating an aneurysm. The braid can include a lumen with a proximal end opposite a distal end. Translating the braid can cause a distal segment of the braid to expand and form an outer occlusive sack while a segment proximal the distal segment can invert into the outer occlusive sack like a tube sock. The braid can then be detached from its delivery system.

Classifications:

International (IPC 8-9): A61B A61B17/00 A61B17/12 A61B17/12031 A61B17/12113 A61B90/00 A61F2/06 A61F2/90 A61M25/00 A61M5/00 (Advanced/Invention); A61B (Subclass/Invention)

International (IPC 1-7): A61B17/12

CPC: A61B17/12168 A61B90/361 A61M25/005 A61B17/12031 A61B17/12113 A61B17/12172 A61B2017/1205 A61B2017/12054 A61F2/90 A61F2002/9665 A61M2025/0042 A61B2017/12081



Family:

Publication number	Publication date	Application number	Application date
AU2018282472 AA	20190711	AU20180282472	20181221
BR102018076836 A2	20190702	BR20181076836	20181221
CA3028424 AA	20190622	CA20183028424	20181221
CN109984800 A	20190709	CN201811580100	20181224
EP3501428 A1	20190626	EP20180214052	20181219
IL263829 A0	20190331	IL20180263829	20181219
JP2019111342 A2	20190711	JP20180239168	20181221
KR20190076915 A	20190702	KR20180168493	20181224
MX2019000233 A1	20190904	MX20190000233	20190107
RU2018145543 A	20200622	RU20180145543	20181221
TW201934087 A	20190901	TW20180146492	20181221
US2019192168 AA	20190627	US20170852887	20171222

Priority:

US20170852887 20171222 JP20180239168 20181221 KR20180168493 20181224

Probable Assignee: DEPUY SYNTHES PRODUCTS INC

Assignee(s): (std): DEPUY SYNTHES PRODUCTS INC ; DEPUY SYNTHES PRODUCTS LLC

Assignee(s): LORENZO JUAN ; N A

Inventor(s): (std): LORENZO JUAN ; JUAN LORENZO

Agent(s): SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KLUNKER IP PATENTANWALTE PARTG MB; KATO MASANOBU

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

11) Family number: 33109941 (US2006155323A)

© PatBase

Title: INTRA-ANEURYSM DEVICES

Abstract: Devices for occluding an aneurysm are provided. In particular, the device include an upper member that sits against the dome of the aneurysm, a lower member that sits in the neck of the aneurysm, and a means of adjusting the overall dimensions of the device. Also provided are methods of making and using these devices.

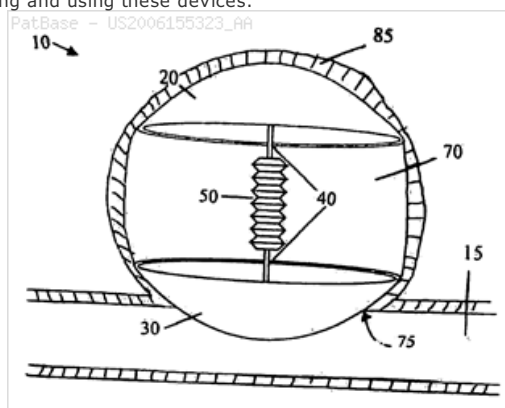
Classifications:

International (IPC 8-9): A61B17/12 A61M29/00 (Advanced/Invention); A61B17/12 A61M29/00 (Core/Invention)

CPC: A61B17/12022 A61B17/12113 A61B17/12172 A61B2017/12054 A61B2017/12063

European: A61B17/12P A61B17/12P5B1 A61B17/12P7W1 K61B17/12P2 K61B17/12P2D4

US: 606/200 606/200P



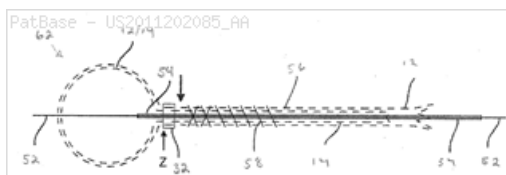
Family:

Publication number	Publication date	Application number	Application date
US2006155323 AA	20060713	US20050031421	20050107
US2013325053 AA	20131205	US20130887589	20130506
US2019298379 AA	20191003	US20190389168	20190419
US10265075 BB	20190423	US20130887589	20130506
WO06074032 A2	20060713	WO2005US47349	20051229
WO06074032 A3	20061026	WO2005US47349	20051229

Priority:

Probable Assignee: STRYKER CORP**Assignee(s):** (std): CAO THACH ; HO HAHN ; PORTER STEPHEN C ; PORTER STEPHEN CHRISTOPHER ; STRYKER EUROPEAN HOLDINGS I LLC ; TRAN TRI D ; STRYKER OPERATIONS LTD NV ; BOSTON SCIENT SCIMED INC ; STRYKER CORP**Assignee(s):** BOSTON SCIENTIFIC SCIMED INC ; STRYKER EUROPEAN OPERATIONS HOLDINGS LLC ; STRYKER EUROPEAN HOLDINGS III LLC ; STRYKER MEDTECH LTD**Inventor(s):** (std): TRAN TRI D ; PORTER STEPHEN CHRISTOPHER ; HO HANH ; HO HAHN ; CAO THACH ; PORTER STEPHEN C**Inventor(s):** TRAN TRI ; PORTER STEPHEN**Agent(s):** ROBINS AND PASTERNAK; VISTA IP LAW GROUP 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 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**12) Family number: 48873961 (US2011202085A)**

© PatBase

Title: BRAID BALL EMBOLIC DEVICE FEATURES**Abstract:** Embolic implants and methods of manufacture are disclosed. The implants may be used for occluding blood flow at endovascular sites. One use is in intracranial aneurysm embolization/occlusion and another in parent vessel occlusion (PVO) or sacrifice. Various features provide for improved use (e.g., regarding delivery, recapture, visualization and/or occlusion) and manufacturability.**Classifications:****International (IPC 8-9):** A61B A61B17/12 A61F2/01 A61F2/06 A61F2/95 A61M29/00 A61M31/00 (Advanced/Invention); A61B17/00 A61B17/12 A61B19/00 A61B90/00 A61F2/95 A61F6/14 A61F6/18 A61F6/20 (Advanced/Non-invention)**CPC:** A61F2/06 A61B17/12122 A61B17/12136 A61B17/12168 A61B17/12181 A61F6/146 A61F6/148 A61F6/18 A61F6/20 A61B17/0057 A61B17/12022 A61B17/12109 A61B17/12113 A61B17/12172 A61B90/39 A61B2017/12054**European:** A61B17/12P A61B17/12P5B A61B17/12P5B1 A61B17/12P7W1 K61B17/00P K61B19/54**US:** 1/1 606/200 606/200P 623/1.12**Family:**

Publication number	Publication date	Application number	Application date
AU2010314871 AA	20110512	AU20100314871	20101109
AU2010314871 AA	20120531	AU20100314871	20101109
AU2010314871 BB	20141030	AU20100314871	20101109
CA2779483 AA	20120501	CA20102779483	20101109
CA2779483 C	20180313	CA20102779483	20101109
CN102791205 A	20121121	CN201080056668	20101109
CN102791205 B	20160203	CN201080056668	20101109
CN105142544 A	20151209	CN201480021345	20140314
DE602010021683 D1	20150226	DE201060021683T	20101109
EP2498691 A2	20120919	EP20100785550	20101109
EP2498691 B1	20150107	EP20100785550	20101109
EP2967574 A1	20160120	EP20140720374	20140314
ES2534192 T3	20150420	ES20100785550T	20101109
HK1175387 A1	20130705	HK20130102791	20130306
JP2013509972 T2	20130321	JP20120538088T	20101109
JP5711251 B2	20150430	JP20120538088T	20101109
US2011202085 AA	20110818	US20100942217	20101109
US2011319926 AA	20111229	US20100942209	20101109
US2013211495 AA	20130815	US20130842536	20130315
US9095342 BB	20150804	US20100942209	20101109
US9814562 BB	20171114	US20130842536	20130315
WO11057277 A2	20110512	WO2010US56051	20101109
WO11057277 A3	20110728	WO2010US56051	20101109
WO14152579 A1	20140925	WO2014US27495	20140314

Priority:

US20090259585P 20091109	EP20100785550 20101109	US20100942217 20101109
US20100942209 20101109	WO2010US56051 20101109	US20130842536 20130315
WO2014US27495 20140314		

Probable Assignee: NFOCUS NEUROMEDICAL INC**Assignee(s):** (std): NFOCUS NEUROMEDICAL INC ; LOGANATHAN SIDDHARTH ; DE BEER NICHOLAS C ; BECKING FRANK P ; COVIDIEN LP ; DEBEER NICHOLAS C**Assignee(s):** NFOCUS LLC ; UT BATTTELLE LLC ; COVIDIEN LP MANSFIELD**Inventor(s):** (std): BECKING FRANK P ; DE BEER NICHOLAS C ; DEBEER NICHOLAS C ; HALDEN KARL S ; LOGANATHAN SIDDHARTH ; SIDDHARTH LOGANATHAN**Inventor(s):** LOGANATHAN SIDDHARTH MOUNTAIN VIEW ; DE BEER NICHOLAS C MONTARA ; BECKING FRANK P SANTA CLARA**Agent(s):** SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; SMART AND BIGGAR; FROHWITTER PATENT U RECHTSANWAELTE; PRICE NIGEL JOHN KING; GRAY JAMES; DE ELZABURU ALBERTO; HK PAT IP LTD; ELIZABETH A; BETH; STIRRAT MARK A ET AL; OBRIEN ELIZABETH A 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