

Search history

Search 1: catheter and stent and bladder and spiral and perforation and kidney and urethra (Results 52)

1) Family number: 11053176 (US5246445 A)

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Title: DEVICE FOR THE TREATMENT OF CONSTRICTED DUCTS IN HUMAN BODIES

Abstract: This invention is directed to a system for implanting a device to open constrictions in corpeal conduits, which comprises (a) an elongated tubular member and (b) a spatial spiral of elongate axial extension wound of thin wire and having attachment means at each end, said spiral being positioned on and concentric to said elongated tubular member, said spiral being in a constricted condition such that its lateral profile is smaller than it would be if said spiral were not constricted.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/12 A61F2/00 A61F2/06

A61F2/82 A61F2/84 A61F2/88 A61F2/95 A61M29/00 A61M29/02

International (IPC 1-7): A61B17/00 A61B17/22 A61F2/06 A61M29/00

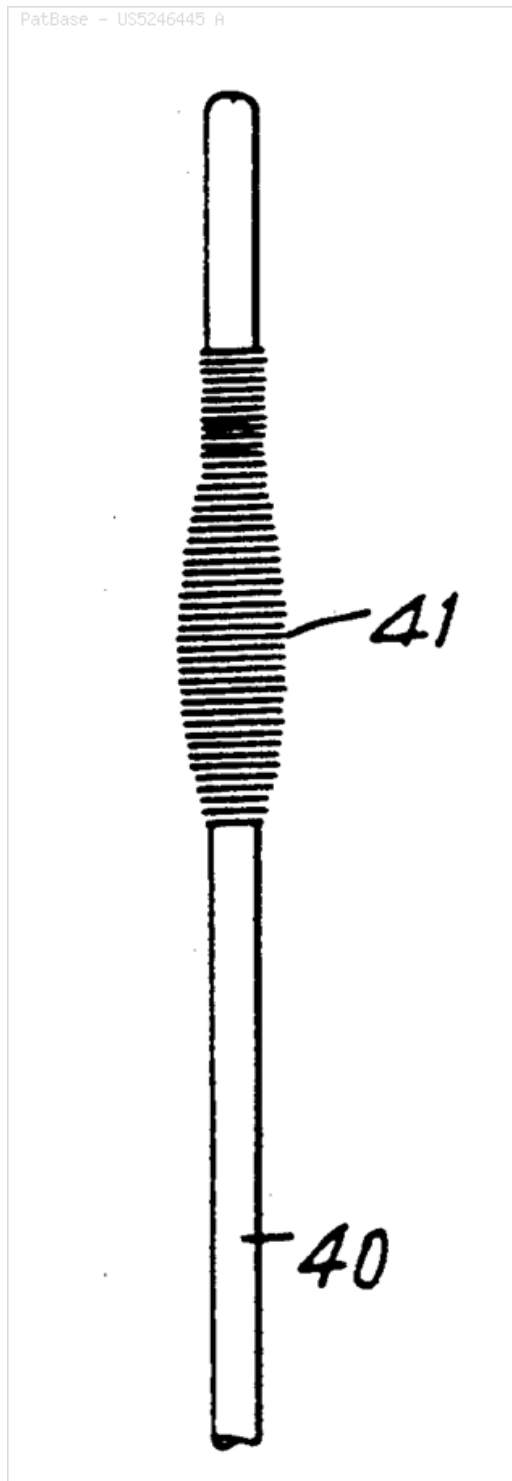
A61M29/02 A61M5/00

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A61F2002/9505 A61F2002/9511 A61F2210/0014 A61F2220/0008

A61F2230/0063 A61F2230/0076 A61M25/0017 A61B2017/1205

US: 604/104 606/104 606/108 623/1 623/1.2

**Family:**

Publication number	Publication date	Application number	Application date
AU199177994 A1	19911111	AU19910077994	19910419
AU651826 B2	19940804	AU19910077994	19910419
CA2080905 AA	19921019	CA19912080905	19910419
DE69126428 D1	19970710	DE19916026428T	19910419
DE69126428 T2	19971030	DE19916026428T	19910419
EP0525110 A1	19930203	EP19910909039	19910419
EP0525110 A4	19930630	EP19910909039	19910419
EP0525110 B1	19970604	EP19910909039	19910419
EP0723765 A2	19960731	EP19960104484	19910419
EP0723765 A3	19980107	EP19960104484	19910419
IL94138 A0	19910131	IL19900094138	19900419
IL94138 A1	19970318	IL19900094138	19900419
JP3245156 B2	20020107	JP19910508841T	19910419
JP5507633 T2	19931104	JP19910508841T	19910419
US5246445 A	19930921	US19920827031	19920124
WO9116005 A1	19911031	WO1991US02716	19910419

Priority:

IL19900094138 19900419
US19910281179 19911031

WO1991US02716 19910419
US19920827031 19920124

EP19910909039 19910419

Probable Assignee: EV3 PERIPHERAL INC
Assignee(s): (std): DANIEL YACHIA ; IN STENT INC ; M T M MODERN THERAPEUTIC MODAL ; MORDECHAY BEYAR ; STENTEK INC

Assignee(s): EV3 PERIPHERAL INC ; INSTENT INC WAYZATA MINN US ; INTRA THERAPEUTICS INC ; INTRATHERAPEUTICS WEST INC ; M T M MODERN THERAPEUTIC MODALITY ; MEDTRONIC INC ; MEDTRONIC INSTENT INC ; SULZER INTRA THERAPEUTICS INC ; WELLS FARGO BUSINESS CREDIT INC ; YACHIA DANIEL

Inventor(s): (std): BEYAR MORDECHAY ; DANIEL YECHIEA ; MORDECHAI BIAR ; MORDECHAY BEYAR ; YACHIA DANIEL ; YACHIA DANIEL HOISMANS STREET

Inventor(s): BEYAR MORDECHAY 64 923 TEL AVIV IL ; DANIEL YACHIA ; YACHIA DANIEL 21 HOISMANS STREET ; YACHIA DANIEL 21 HOISMANS STREET 4222 NATANIA IL

Agent(s): DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; GE EHRlich 1995 LTD ; OSLER HOSKIN AND HARCOURT LLP

Designated states: AT AU BE CA CH DE DK ES FR GB GR IT JP LI LU NL SE US

2) Family number: 44965981 (US2012022550 AA)

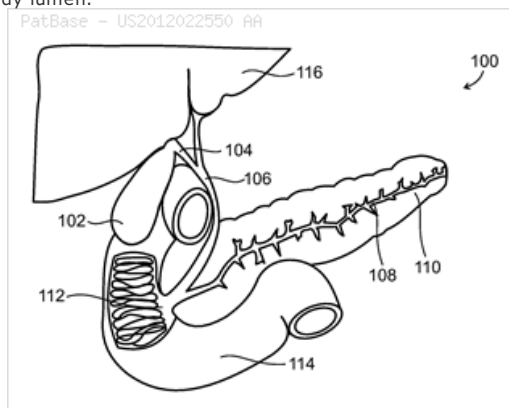
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Title: FILTER APPARATUSES AND METHODS OF USING SAME

Abstract: A filter device for implantation in a body lumen, comprising: a blocking section for filtering structures greater than a specified minimum size; and, an anchoring section for preventing unwanted movement of the filter device, wherein the filter device does not apply expansive radial force on a wall of the body lumen.

Classifications:

International (IPC 8-9): A61B17/12 A61B17/22 A61B17/221 A61F2/00 A61F2/01 A61F2/02 A61F2/04
CPC: A61B17/221 A61B2017/2212 A61F2/01 A61F2002/016 A61F2002/018 A61F2002/041 A61F2002/048 A61F2210/0004 A61F2230/0006 A61F2230/008 A61F2230/0091 A61F2250/0067
US: 1/1 606/127 606/127P



Family:

Publication number	Publication date	Application number	Application date
EP2410943 A1	20120201	EP20100719120	20100325
EP2410943 B1	20181114	EP20100719120	20100325
IL197800 A0	20091224	IL20090197800	20090325
JP2012521258 T2	20120913	JP20120501502T	20100325
US2012022550 AA	20120126	US20100260382	20100325
US9427299 BB	20160830	US20100260382	20100325
US2016317167 AA	20161103	US20160140505	20160428
WO10109467 A1	20100930	WO20101L00258	20100325
WO10109467 A8	20101209	WO20101L00258	20100325

Priority:

IL20090197800 20090325 WO20101L00258 20100325 US20110260382 20110926
 US20160140505 20160428

Probable Assignee: LITHIBLOCK LTD

Assignee(s): (std): BEN MUVHAR SHMUEL ; LITHIBLOCK LTD ; SHMUEL BEN MUVHAR

Inventor(s): (std): BEN MUVHAR SHMUEL

Inventor(s): SHMUEL BEN MUVHAR

Agent(s): CARPMAELS AND RANSFORD LLP ; G E EHRlich 1995 LTD ET AL ; HOWARD PAUL NICHOLAS

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 ZA ZM ZW

3) Family number: 11213611 (US5224953 A)

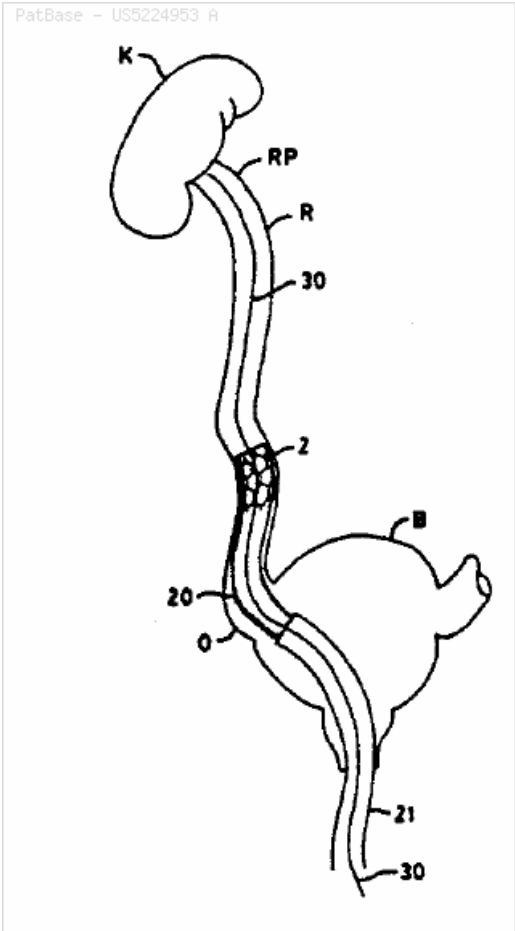
© PatBase

Title: METHOD FOR TREATMENT OF OBSTRUCTIVE PORTIONS OF URINARY PASSAGEWAYS

Abstract: A method for the treatment of an obstructive portion of a urinary passageway of a mammal, comprising the steps of providing a stent thermally self-movable between a first condition in which the stent is rigid and generally tubular, and a second condition in which the stent is flexible and compressible, moving the stent in the second condition through a catheter to the obstructive portion of the urinary passageway while maintaining the stent in its second condition by flowing a cool solution through the stent, moving the stent out of the catheter and into the obstructive portion of the urinary passageway, and discontinuing the flow of cool solution, whereby the stent is caused by body temperature, or by the flow of a warm solution, to assume its first condition to hold open the obstructive portion of the urinary passageway.

Classifications:

International (IPC 8-9): A61F2/06 A61F2/82 A61F2/84
International (IPC 1-7): A61M29/00
CPC: A61F2/95 A61F2/966 A61F2002/048 A61M27/008



Family:

Publication number	Publication date	Application number	Application date
US5224953 A	19930706	US19920877412	19920501

Priority:

US19920877412 19920501

Probable Assignee: BETH ISRAEL HOSPITAL

Assignee(s): (std): BETH ISRAEL HOSPITAL

Assignee(s): BETH ISRAEL HOSPITAL ASSOCIATION ; BETH ISRAEL HOSPITAL ASSOCIATION A CORP ; BETH ISRAEL HOSPITAL ASSOCIATION A CORP OF MA ; THE BETH ISRAEL HOSPITAL ASSOCIATION

Inventor(s): (std): MORGENTALER ABRAHAM

4) Family number: 8477206 (US5372600 A)

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Title: STENT DELIVERY SYSTEMS

Abstract: This invention is directed to stent delivery systems. In one embodiment an apparatus for implanting a flexible, generally cylindrical, expandable stent, comprises a catheter having distal and proximal ends, the catheter defining a central lumen and a second lumen extending therethrough and having two longitudinally displaced openings extending from the second lumen radially to the surface of the catheter; a flexible, expandable stent having discrete proximal and distal ends, the stent being positioned circumferentially around the catheter and the discrete ends extending into the openings to hold the stent in position; and at least one release wire positioned in and extending through the second lumen, the release wire or wires fixedly containing at least one conically shaped pushing member capable of causing a discrete end of the stent to move radially as the release wire is moved proximally.

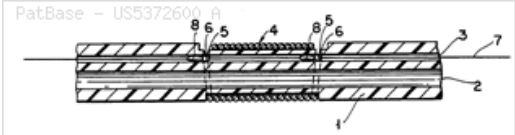
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International (ipc 1-7): A61B17/00 A61B17/08 A61F11/00 A61F2/04 A61F2/06 A61M25/01 A61M29/00

CPC: A61B2017/1205 A61F2/88 A61F2/95 A61F2002/9511

US: 606/108 606/194 623/1.11



Family:

Publication number	Publication date	Application number	Application date
AU199467868 A1	19941212	AU19940067868	19940510
AU687810 B2	19980305	AU19940067868	19940510
CA2161319 AA	19951024	CA19942161319	19940510
EP0697836 A1	19960228	EP19940916067	19940510
EP0697836 A4	19961227	EP19940916067	19940510
JP8510152 T2	19961029	JP19940525651T	19940510
US5372600 A	19941213	US19930060397	19930510
WO9426174 A1	19941124	WO1994US05193	19940510

Priority:

Probable Assignee: EV3 PERIPHERAL INC

Assignee(s): (std): INSTENT INC

Assignee(s): BEYAR MORDECHAY ; EV3 PERIPHERAL INC ; GLOBERMAN OREN ; INTRA THERAPEUTICS INC ; INTRATHERAPEUTICS WEST INC ; MEDTRONIC INC ; MEDTRONIC INSTENT INC ; SULZER INTRA THERAPEUTICS INC ; WELLS FARGO BUSINESS CREDIT INC ; YACHIA DANIEL

Inventor(s): (std): BEYAR MORDECHAY ; GLOBERMAN OREN ; YACHIA DANIEL

Inventor(s): DANIEL YACHIA ; MORDECHAY BEYAR ; OREN GLOBERMAN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; OSLER HOSKIN AND HARCOURT LLP

Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP LI LU MC NL PT SE

5) Family number: 80424921 (WO20163536 A1)

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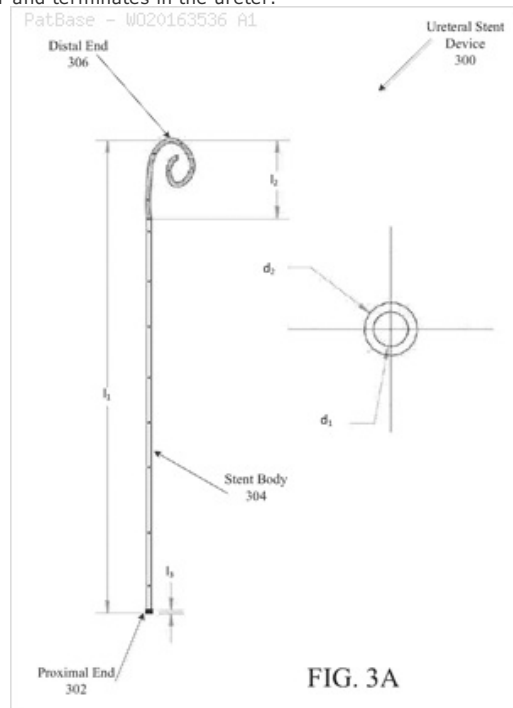
Title: URETERAL STENT AND RETRIEVAL MEANS

Abstract: The described invention provides a ureteral stent device comprising a tubular structure comprising a proximal end and a distal end. The proximal end comprises a magnet, a magnetic tip, a magnetic coating, a magnetic metal, or a magnetic alloy. The distal end comprises a tapered tip and can form any one of a J-curl, a j- shape, or a pigtail loop for securing the distal end in a kidney. The proximal end is not secured in the bladder and terminates in the ureter.

Classifications:

International (IPC 8-9): A61F2/04 A61F2/06 A61M25/01 A61M25/04 A61M25/18 A61M27/00

CPC: A61F2/04 A61F2/06 A61M25/01 A61M25/04 A61M27/00



Family:

Publication number	Publication date	Application number	Application date
WO20163536 A1	20200813	WO2020US16889	20200205
WO20163536 A8	20200917	WO2020US16889	20200205

Priority:

US20190803179P 20190208

Probable Assignee: HACKENSACK UNIV MEDICAL CENTER

Assignee(s): (std): HACKENSACK UNIV MEDICAL CENTER ; TRUSTEES OF STEVENS INST OF TECH

Assignee(s): TRUSTEES OF STEVENS INST OF TECHNOLOGY

Inventor(s): (std): FRAGALE ANTHONY JR ; GALER ALICIA ; HAZELWOOD VIKKI ; MOHAMMEDI SAARAH ; NAIR MITHIN ; STIFELMAN MICHAEL ; TUCCI BECKY

Agent(s): LUBIT BEVERLY W 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA 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 WS ZA ZM ZW

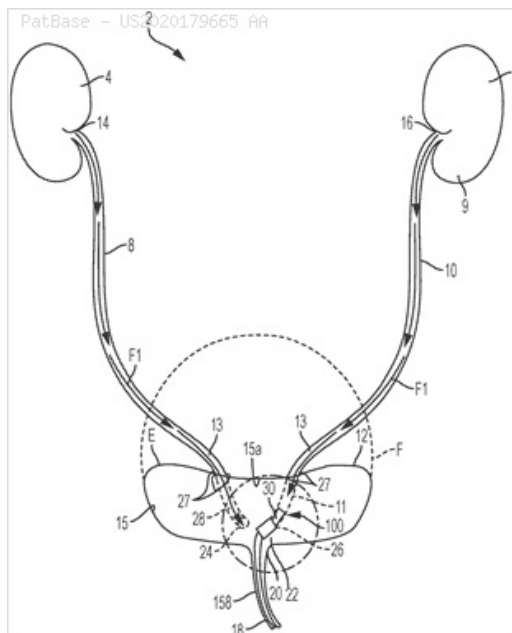
6) Family number: 73343911 (US2020179665 AA)

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Title: INDWELLING PUMP FOR FACILITATING REMOVAL OF URINE FROM THE URINARY TRACT

Abstract: A pump assembly is provided, including a pump module configured to be positioned within an interior portion of a ureter and/or renal pelvis of a patient for providing negative pressure to the patient's ureter and/or kidney, the pump module including: a housing including a flow channel for conducting fluid, wherein the housing is configured to be positioned within the interior portion of the ureter and/the renal pelvis; and a pump element positioned within the channel to draw fluid through the channel; and a control module coupled to the pump module, the control module being configured to direct motion of the

CPC: A61M2027/004 A61M2205/3334 A61M2205/3337
A61M2205/3507 A61M2205/3553 A61M2205/8206 A61M2205/8243
A61M2210/1082 A61M2210/1085 A61M2210/1089 A61M25/0017
A61M27/002 A61M27/008 A61M1/0031 A61M1/0066 A61M1/008
A61M2205/0266 A61M2205/3303 A61M2205/3344 A61M2209/01
A61M2210/1078 A61M25/0108 A61M25/04 A61M1/0023 A61M1/007
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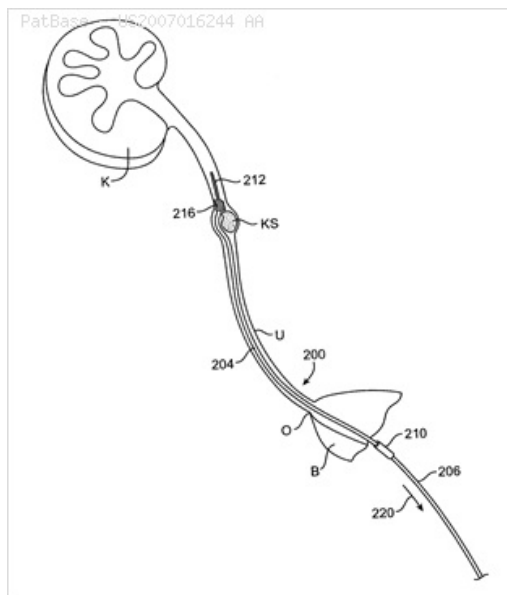


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AU2018320515 AA	20200305	AU20180320515	20180824
BR112020003830 A2	20200908	BR20201103830	20180824
CA3073901 AA	20200225	CA20183073901	20180824
CN111263653 A	20200609	CN201880068760	20180824
EP3672677 A1	20200701	EP20180772898	20180824
IL272766 AA	20200430	IL20180272766	20180824
IN202047011392 A	20200320	IN202047011392	20200317
JP2020531159 T2	20201105	JP20200511366T	20180824
US2020179665 AA	20200611	US20180640210	20180824
US2020268947 AA	20200827	US20200856339	20200423
WO19038730 A1	20190228	WO20181B56444	20180824
WO20217214 A1	20201029	WO20201B53870	20200423

US20170550259P	20170825	WO2018IB56444	20180824	US20180640210	20180824
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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
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 ZA ZM ZW

US: 604/8 606/127 606/127P 606/191 606/191S 606/198 606/200
606/200P



Family:

Publication number	Publication date	Application number	Application date
CA2652601 AA	20081117	CA20072652601	20070517
CA2652601 C	20160426	CA20072652601	20070517
DE602007044573 D1	20160303	DE200760044573T	20070517
EP2021065 A2	20090211	EP20070797559	20070517
EP2021065 A4	20140108	EP20070797559	20070517
EP2021065 B1	20160113	EP20070797559	20070517
JP2009537256 T2	20091029	JP20090511241T	20070517
JP5371745 B2	20131218	JP20090511241T	20070517
JP2013208468 A2	20131010	JP20130117002	20130603
KR101429305 B1	20140811	KR20087030613	20070517
KR20090023605 A	20090305	KR20087030613	20070517
US2007016244 AA	20070118	US20060436256	20060517
US7972292 BB	20110705	US20060436256	20060517
US2011172678 AA	20110714	US20110073680	20110328
US2013267990 AA	20131010	US20130907705	20130531
US8911450 BB	20141216	US20130907705	20130531
WO07137138 A2	20071129	WO2007US69182	20070517
WO07137138 A3	20081016	WO2007US69182	20070517

Priority:

US20040886886 20040707	WO2005US83988 20050706	WO2005US23988 20050706
US20060436256 20060517	WO2007US69182 20070517	EP20070797559 20070517
JP20090511241 20070517	JP20090511241T 20070517	US20110073680 20110328
US20130907705 20130531		

Probable Assignee: PERCUTANEOUS SYSTEMS INC

Assignee(s): (std): BEHL ROBERT S ; DINH LINH A ; HUANG ALEXANDER L ; PERCUTANEOUS SYSTEMS INC ; PERCUTANEOUS SYSTEMS INC

Assignee(s): PERCUTANEOUS SYSTEMS INC MOUNTAIN VIEW ; SILICON VALLEY BANK ; VENTURE LENDING AND LEASING IV INC ; VENTURE LENDING AND LEASING IV INC AND VENTURE LEN ; VENTURE LENDING AND LEASING IV INC AND VENTURE LENDING AND LEASING V INC

Inventor(s): (std): BEHL ROBERT S ; DINH LINH A ; HUANG ALEXANDER L

Inventor(s): BEHL ROBERT ; BEHL ROBERT S PALO ALTO ; DINH LINH ; DINH LINH A SAN JOSE ; HUANG ALEXANDER ; HUANG ALEXANDER L MENLO PARK

Agent(s): FETHERSTONHAUGH AND CO; KILPATRICK TOWNSEND AND STOCKTON LLP; MACDOUGALL ALAN JOHN SHAW; SCHWABE SANDMAIR MARX; TOWNSEND AND TOWNSEND AND CREW LLP; WILSON SONSINI GOODRICH AND ROSATI

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

8) Family number: 45439800 (US2011301662 AA)

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Title: STIMULATION OF THE URINARY SYSTEM

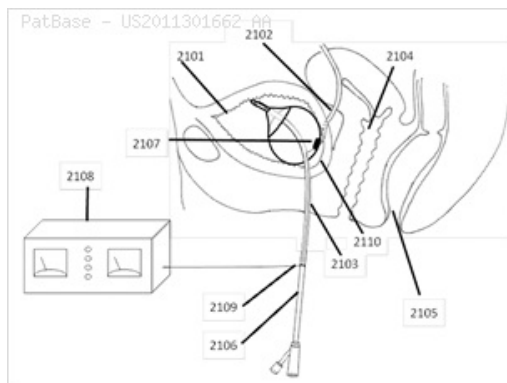
Abstract: Apparatus and methods are provided, including a bladder stimulator that includes an elongate element adapted to pass through a urethra or adapted to pass through another opening in the bladder, an expandable body coupled to said elongate element, and an array of one or more stimulator contacts coupled to the expandable body, the array including at least one contact adapted to contact a portion of a bladder of a subject when the expandable body is inserted in the bladder and expanded. A controller stimulates the portion of the bladder by driving a pulse into the bladder via the contact, the pulse having a frequency of 5 Hz-1 kHz. Other applications are also described.

Classifications:

International (IPC 8-9): A61F2/00 A61H21/00 A61N1/00 A61N1/05 A61N1/36

CPC: A61N1/0514 A61N1/0551 A61N1/0556 A61N1/36007

A61N1/36017 A61N1/36031 A61N1/36034 A61N1/36114
A61N1/36117 A61N1/0558
US: 600/29 607/2 607/3 607/40 607/40P 623/23.65 1/1



Family:

Publication number	Publication date	Application number	Application date
AU2009325847 AA	20110728	AU20090325847	20091209
AU2009325847 BB	20130905	AU20090325847	20091209
CA2746343 AA	20100617	CA20092746343	20091209
CN102307618 A	20120104	CN200980156494	20091209
CN102307618 B	20140312	CN200980156494	20091209
EP2376189 A2	20111019	EP20090809037	20091209
EP2376189 B1	20180207	EP20090809037	20091209
US2011301662 AA	20111208	US20110156753	20110609
US8923970 BB	20141230	US20110156753	20110609
US2012226098 AA	20120906	US20120415594	20120308
US8725249 BB	20140513	US20120415594	20120308
US2015142074 AA	20150521	US20140549080	20141120
US9498624 BB	20161122	US20140549080	20141120
WO10067360 A2	20100617	WO2009IL01163	20091209
WO10067360 A3	20100902	WO2009IL01163	20091209

Priority:

US20080120901P 20081209	US20090173228P 20090428	US20090180957P 20090526
US20090218139P 20090618	US20090225226P 20090714	US20090233500P 20090813
WO2009IL01163 20091209	US20100355522P 20100616	US20110451406P 20110310
US20110156753 20110609	US20120415594 20120308	US20140549080 20141120

Probable Assignee: NEPHERA LTD

Assignee(s): (std): BAR YOSEPH GILL ; BLEICHER DAVID ; LEVI AVIV ; NEPHERA LTD ; POLSKY ALON

Inventor(s): (std): ALON POLSKY ; BAR YOSEPH GILL ; BLEICHER DAVID ; GILL BAR YOSEPH ; LEVI AVIV ; POLSKY ALON

Agent(s): BARRY; EDWARDS WILDMAN PALMER LLP; G E EHRlich 1995 LTD ET AL; GOWLING LAFLEUR HENDERSON LLP; HIRSCH AND ASSOCIATES; JOSHUA L; LISA; LOCKE LORD LLP; SPRUSON AND FERGUSON

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

9) Family number: 52114075 (US2012259326 AA)

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Title: FLEXIBLE MICROWAVE CATHETERS FOR NATURAL OR ARTIFICIAL LUMENS

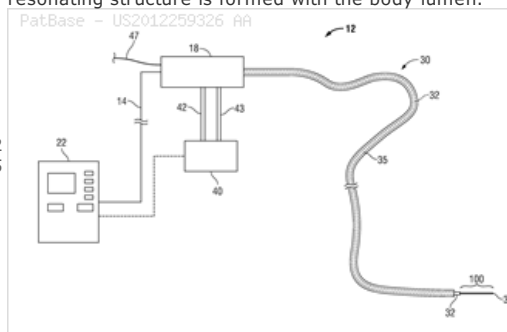
Abstract: A method for forming a resonating structure within a body lumen, the method including advancing a flexible microwave catheter into a body lumen of a patient, the flexible microwave catheter including a radiating portion at the distal end of the flexible microwave catheter, the radiating portion configured to receive microwave energy, and at least one centering device proximate the radiating portion configured to deploy radially outward from the flexible microwave catheter; positioning the radiating portion near tissue of interest; deploying the at least one centering device radially outward from the flexible microwave catheter within the body lumen such that a longitudinal axis of the radiating portion is substantially parallel with and at a fixed distance from a longitudinal axis of the body lumen near the targeted tissue; and delivering microwave energy to the radiating portion such that a circumferentially balanced resonating structure is formed with the body lumen.

Classifications:

International (ipc 8-9): A61B17/00 A61B18/00 A61B18/14 A61B18/18 A61B19/00 A61B90/10 A61M25/00 A61M25/01 A61M25/092 A61M25/10 A61N5/00 A61N5/02

CPC: A61B17/00234 A61B18/1492 A61B18/18 A61B18/1815 A61B2017/00323 A61B2018/00023 A61B2018/00077 A61B2018/00172 A61B2018/0022 A61B2018/00226 A61B2018/00232 A61B2018/0025 A61B2018/00267 A61B2018/00273 A61B2018/00285 A61B2018/00345 A61B2018/00434 A61B2018/00511 A61B2018/00577 A61B2018/00595 A61B2018/00791 A61B2018/00875 A61B2018/1823 A61B2018/1846 A61B2018/1861 A61B2018/1884 A61B2018/1892 A61B90/10 A61N5/022 A61B19/20

US: 1/1 606/33 607/101 607/102



Family:

Publication number	Publication date	Application number	Application date
AU2012239878 AA	20121011	AU20120239878	20120409
AU2012239878 BB	20150129	AU20120239878	20120409

AU2012364792 AA	20131121	AU20120364792	20120409	
AU2012364793 AA	20130718	AU20120364793	20120409	
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CN105496552 B	20180410	CN201610052796	20120409	
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DE602012020567 D1	20160825	DE201260020567T	20120409	
DE602012039063 D1	20171207	DE201260039063T	20120409	
DE602012064408 D1	20191017	DE201260064408T	20120409	
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EP2693969 A4	20140618	EP20120768651	20120409	
EP2693969 B1	20160203	EP20120768651	20120409	
EP2693970 A2	20140212	EP20120865090	20120409	
EP2693970 A4	20141217	EP20120865090	20120409	
EP2693970 B1	20171025	EP20120865090	20120409	
EP2693971 A2	20140212	EP20120865169	20120409	
EP2693971 A4	20150128	EP20120865169	20120409	
EP2693971 B1	20160713	EP20120865169	20120409	
EP3001971 A1	20160406	EP20150195087	20120409	
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EP3095407 A2	20161123	EP20160171295	20120409	
EP3095407 A3	20170308	EP20160171295	20120409	
IN09606DN2013 A	20141219	IN2013DN09606	20131107	
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JP2014516614 T2	20140717	JP20140504082T	20120409	
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JP2015186594 A2	20151029	JP20150117544	20150610	
JP6080181 B2	20170215	JP20150117544	20150610	
JP2017099906 A2	20170608	JP20170002436	20170111	
JP6389535 B2	20180912	JP20170002436	20170111	
JP2018167052 A2	20181101	JP20180115304	20180618	
US2014031811 AA	20140130	US20120110652	20120409	
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Priority:			
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		AU20150243789	20151019
		US20160192402	20160624
		JP20180115304	20180618

Probable Assignee: COVIDIEN LP

Assignee(s): (std): ARTS GENE H ; BRA JOSEPH D ; BRANNAN JOSEPH D ; CASE JASON A ; CONVIDIEN LP ; COVIDEN LP ; COVIDIEN LP ; DECARLO ARNOLD V ; LADTKOW CASEY M ; REID JR WILLIAM O ; REID WILLIAM O JR ; SMITH KURT R ; VIVANT MEDICAL INC

Assignee(s): COVIDIEN LP MANSFIELD ; REID WILLIAM O ; VIVANT LLC ; VIVANT MEDICAL LLC

Inventor(s): (std): ARTS GENE H ; BRA JOSEPH D ; BRANNAN JOSEPH ; BRANNAN JOSEPH D ; CASE JASON A ; DECARLO ARNOLD V ; JOSEPH D BRANNAN ; LADTKOW CASEY M ; REID JR WILLIAM O ; REID WILLIAM O JR ; SMITH KURT R

Inventor(s): ARTS GENE H BERTHOUD ; BRANNAN JOSEPH D ERIE ; BRANNAN JOSEPH ERIE ; DECARLO ARNOLD V FREDERICK ; LADTKOW CASEY M WESTMINSTER ; REID JR ; REID WILLIAM O ; REID WILLIAM O JR LONGMONT

Agent(s): BORDEN LADNER GERVAIS LLP ; CARTER DELUCA AND FARRELL LLP ; CARTER DELUCA FARRELL AND SCHMIDT LLP ; HOFFMANN EITLE ; MASCHIO ANTONIO ; PRATT RICHARD WILSON ; SOAMES CANDIDA JANE ; SPRUSON AND FERGUSON ; WILTZIUS JAMES J 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

10) Family number: 55310934 (US2015148837 AA)

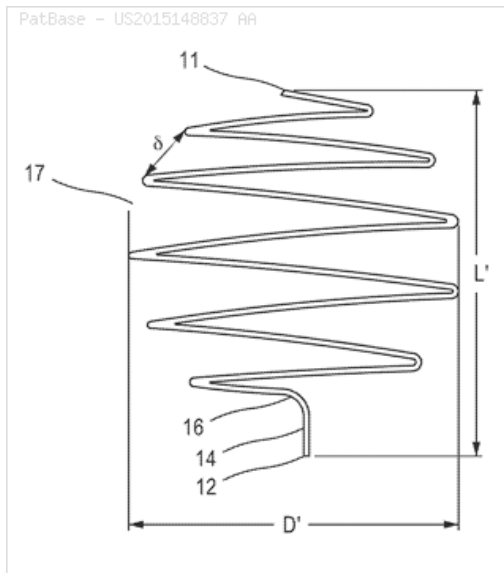
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Title: SYSTEMS, METHODS AND DEVICES FOR EMBOLIC PROTECTION

Abstract: Embodiments of the present disclosure are directed to systems, methods and devices for providing embolic protection in a patient. In some embodiments, the device is configured for implantation in a body vessel including fluid flow. The device may assume, or be constrained to assume, an undeployed state and a deployed state. In the undeployed state, the device or a portion thereof has a substantially linear shape configured to reside in the lumen of a thin needle having a diameter of less than about 0.5 mm (for example), in the deployed state, the device has a primary axis. When the device is implanted the primary axis is approximately perpendicular to the fluid flow. In some embodiments, the device comprises a thin filament body. In the deployed state the filament takes a helical shape. Emboli that are larger than the distance between consecutive turns or windings of the helix are thus filtered by the device and are prevented from causing deleterious conditions such as stroke or pulmonary embolism. The device may be made of a super-elastic alloy. Thus, the device may transition between the undeployed and the deployed states without plastic deformation. Delivery systems and method for implanting such devices are also disclosed.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/02 A61B17/04 A61B17/12 A61B17/122 A61B17/128 A61B17/22 A61B17/34 A61B19/00 A61B90/00 A61F2/01 A61F2/82 A61F2/844 A61F2/88 A61F2/966 A61M29/00
CPC: A61B17/0401 A61B17/0467 A61B17/0487 A61B17/12031 A61B17/12036 A61B17/12109 A61B17/12145 A61B17/122 A61B2017/00004 A61B2017/0409 A61B2017/0417 A61B2017/045 A61B2017/0464 A61B2017/0496 A61B2017/12063 A61B90/39 A61F2/01 A61F2/011 A61F2002/016 A61F2230/0071 A61F2230/0091 A61F2250/0098 A61B17/3468 A61B2017/00398 A61B2017/1205 A61F2/88 A61F2220/0008 A61F2220/0016 A61B17/12113 A61B2090/3762 A61B2090/378 A61B2090/3925 A61B2090/3966 A61F2/966 A61B17/12122
US: 1/1 606/194 606/200



Family:

Publication number	Publication date	Application number	Application date
CN104736102 A	20150624	CN201380039690	20130530
CN104736102 B	20180518	CN201380039690	20130530
CN105007864 A	20151028	CN201380074146	20131127
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US9220588 BB	20151229	US20140552890	20141125
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US2019343612 AA	20191114	US20190270310	20190207
WO13179137 A2	20131205	WO20131B01336	20130530
WO13179137 A3	20140320	WO20131B01336	20130530
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WO14111911 A1	20140724	WO20131L50981	20131127

Priority:

US20120653676P	20120531	US20120693979P	20120828	US20120746423P	20121227
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Probable Assignee: JAVELIN MEDICAL LTD

Assignee(s): (std): JAVELIN MEDICAL LTD

Inventor(s): (std): GUY SHINAR ; OFER YODFAT ; SHINAR GUY ; YODFAT OFER

Agent(s): BRIAN P; COOLEY LLP; HEPP WENGER RYFFEL AG; OZ SOLOMON; SOLOMON OZ

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

11) Family number: 51297299 (US2012150275 AA)

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Title: STENTS AND METHODS OF MAKING STENTS

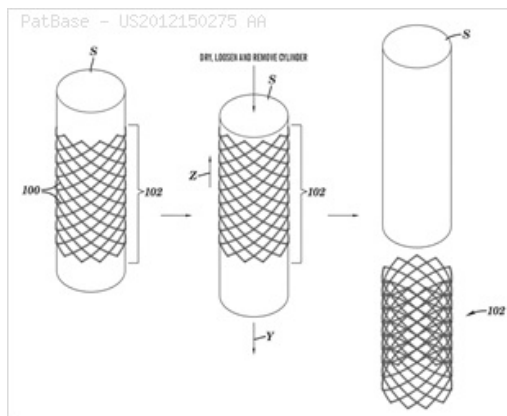
Abstract: The present invention relates to a stent having a longitudinally-extending passage defined by a plurality of seamless strut elements with spacing between them. Each of these strut elements are in the form of lines defining the passage. The strut elements have a thickness in the range of 30 microns to 150 microns and are formed as at least one written layer. Also disclosed are methods of making the stent.

Classifications:

International (IPC 8-9): A61F2/82 A61K9/70

CPC: A61F2/88 A61F2240/001 A61F2250/003 A61F2250/0067

US: 427/2.21 427/2.210S 427/2.28 427/2.280S 623/1.15 623/1.150P 623/1.38 623/1.380S



Family:

Publication number	Publication date	Application number	Application date
US2012150275 AA	20120614	US20110315484	20111209
WO12078955 A1	20120614	WO2011US64101	20111209

Priority:

US20100421951P	20101210	US20110315484	20111209
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Probable Assignee: MICROPEN TECHNOLOGIES CORP

Assignee(s): (std): MICROPEN TECHNOLOGIES CORP ; SHAW KLEIN LORI J

Inventor(s): (std): SHAW KLEIN LORI J

Agent(s): TISCHNER TATE L 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 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

12) Family number: 80546698 (WO20165906 A1)

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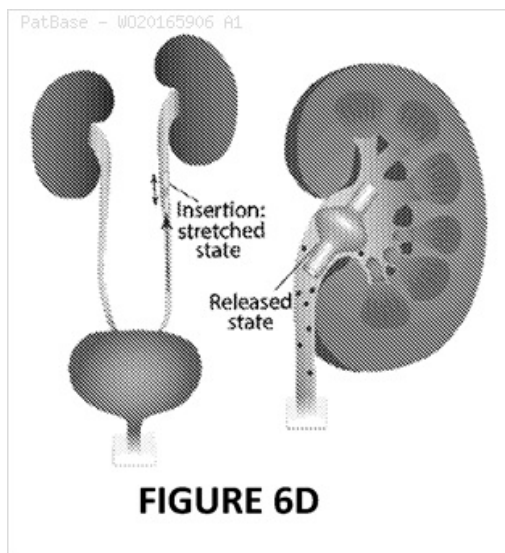
Title: COMPOSITION, DRUG DELIVERY DEVICE AND METHOD FOR LOCAL DELIVERY OF AN ACTIVE AGENT

Abstract: Compositions comprising electrospun fibers and active (e.g. pharmaceutical) agents encapsulated thereto are provided. Further, articles and methods of use of the fibers, including, but not limited to coating of medical tubing, are provided.

Classifications:

International (IPC 8-9): A61K47/69 A61L27/56 A61M31/00
A61P13/10

CPC: A61L27/56 A61M31/00 A61P13/10



Family:

Publication number	Publication date	Application number	Application date
WO20165906 A1	20200820	WO20201L50170	20200214

Priority:

US20190805385P 20190214

Probable Assignee: TECHNION RES AND DEV FOUNDATION

Assignee(s): (std): RAMBAM MED TECH LTD ; TECHNION RES AND DEV FOUNDATION

Assignee(s): TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD

Inventor(s): (std): AMIEL GILAD ; ZUSSMAN EYAL

Agent(s): KESTEN DOV 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
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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 WS ZA ZM
ZW

13) Family number: 66335966 (US2017197028 AA)

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Title: NONJACKETING SIDE-ENTRY CONNECTORS AND PROSTHETIC DISORDER RESPONSE SYSTEMS

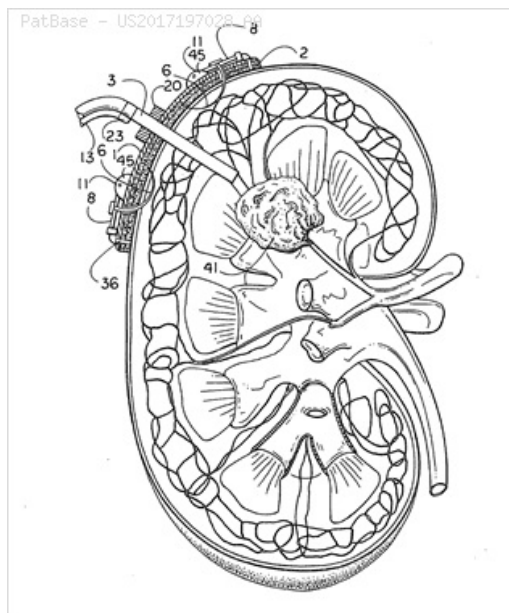
Abstract: Provided is a connector suitable for securely infixing a catheter, electrode, hollow needle, probe, or other styliform device with its tip stabilized within a nontubular anatomical structure. Secure junctions between fluid lines and/or electrodes and tissue are essential for automatic controls and permanent nephrostomies and suprapubic cystostomies, for example, using synthetic materials. These can be made self-contained and fully implanted to treat one chronic condition, or represent but one module controlled as an axis or channel of control in an adaptive ambulatory hierarchical prosthetic disorder response system used to automatically coordinate the treatment of chronic comorbid disease. Such applications require prosthesis-to-native tissue junctions which are secure, immobile, unsusceptible to leaks or microbial intrusion, and require little if any maintenance. Connection for securely and least disruptively merging catheteric and native lumina is described in nonprovisional application Ser. No. 14/121,365, entitled Ductus Side-entry Jackets and Prosthetic Disorder Response Systems, filed on 25 Aug. 2014.

Classifications:

International (IPC 8-9): A61M25/04 A61M39/02 A61M5/158
A61N1/05

CPC: A61B18/22 A61M2005/1586 A61M2025/0233 A61M2025/0286
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A61M2205/057 A61M39/0247 A61M5/158 A61N1/05

US: 1/1 604/175



Family:

Publication number	Publication date	Application number	Application date
US2017197028 AA	20170713	US20160998495	20160112

Priority:

US20160998495 20160112

Probable Assignee: GOLDSMITH DAVID S

Assignee(s): (std): GOLDSMITH DAVID S

Inventor(s): (std): GOLDSMITH DAVID S

14) Family number: 29776039 (US2003229263 AA)

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Title: TREATMENT OF PATIENTS WITH A COMPRESSIBLE ATTENUATION DEVICE

Abstract: Disclosed herein are methods of treating a patient, comprising providing a compressible attenuation device that is moveable from a first, introduction configuration to a second, implanted configuration. The attenuation device is introduced into a treatment site. In one embodiment, the treatment site is the bladder. In another embodiment, the treatment site is the abdominal cavity. The volume of the attenuation devices changes in response to pressure changes in the treatment site and attenuates pressure changes in the bladder.

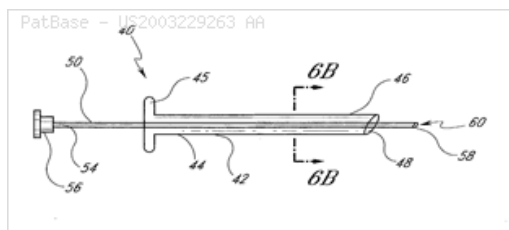
Classifications:

International (IPC 8-9): A61B A61B1/307 A61B17/00 A61B17/04 A61B17/22 A61B17/221 A61B17/3205 A61B17/34 A61B17/66 A61B17/70 A61B17/82 A61B18/14 A61B19/00 A61B5/00 A61B5/02 A61B5/03 A61B5/20 A61B9/00 A61F13/20 A61F13/26 A61F2/00 A61F2/02 A61F2/04 A61F2/06 A61F2/07 A61F2/10 A61F2/12 A61F2/14 A61F2/24 A61F2/26 A61F2/30 A61F2/84 A61F2/89 A61F2/90 A61F2/95 A61F2/958 A61F5/00 A61F9/00 A61F9/007 A61M25/00 A61M25/04 A61M25/10 A61M29/00 A61M29/02 A61M37/00 F16F9/00

International (IPC 1-7): A61B17/00 A61B5/00 A61B5/03 A61B5/20 A61F2/00 A61F2/02 A61M25/10 A61M37/00

CPC: A61B1/307 A61B17/3468 A61B5/205 A61B5/6852 A61B5/72 A61F2/0027 A61F2/004 A61F2/042 A61F2/06 A61F2/002/068 A61M2025/0076 A61M2210/1078 A61M2210/1085 A61M25/10 A61M25/1002 A61B2017/00243 A61F2/0063 A61F2/07 A61F2/89 A61F2/90 A61F2/95 A61F2220/005 A61F2220/0058 A61F2250/0013 A61B17/00234 A61B17/0401 A61B17/221 A61B17/32056 A61B17/3478 A61B17/66 A61B17/70 A61B17/7065 A61B17/7098 A61B17/82 A61B18/1442 A61B2017/00539 A61B2017/00557 A61B2017/00858 A61B2017/0435 A61B2017/22035 A61B2017/22062 A61B2017/2215 A61B5/411 A61B9/002 A61F13/20 A61F13/26 A61F2/0059 A61F2/10 A61F2/12 A61F2/2481 A61F2/26 A61F2002/30617 A61F2002/3071 A61F2250/0059 A61F2250/0067 A61F2250/0068 A61F2250/0085 A61F2250/0097 A61F5/0013 A61F9/00781 A61M2025/1054 A61M25/00 A61M25/04 A61M29/02 A61B1/018 A61F2250/0003 A61F2/02

US: 1/1 128/897 128/897S 600/29 600/29P 600/30 600/30P 600/31 600/561 604/174 604/500 604/517 604/97.02 606/192 606/192P 606/192S 606/194 606/194P 606/204.25 606/204.250P 623/1.1 623/1.100S 623/4.1 623/4.100P



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Priority:

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US20190443472 20190617 US20190503405 20190703

Probable Assignee: ATTENUX TECHNOLOGIES INC

Assignee(s): (std): ATTENUX TECHNOLOGIES INC ; ATTENUX TECH INC ; ATTENUX TECHNOLOGIES INC ; BULLISTER EDWARD ; CAO HUNG ; CAO HUNG H ; CASCADE OPHTHALMICS INC ; CONNORS KEVIN G ; DAYTON PETER ; GALT LAB INC ; GILLESPIE JOHN ; GILLESPIE JR JOHN ; KILCOYNE JOHN T ; LIDDICOAT JOHN ; LIDDICOAT JOHN R ; LIDDICOAT JOHN RANDALL ; NGUYEN KHOI M ; PINTAURO WILLIAM L ; SCHUTT ERNEST G ; SOLACE THERAPEUTICS INC ; WALLIN SHEILA K ; YUREK MATHEW T ; YUREK MATTHEW T

Assignee(s): ATTENUX TECHNOLOGIES INC NEWTON ; GALT L ORATORIES INC AB ; GALT LABORATORIES INC

Inventor(s): (std): BULLISTER EDWARD ; CAIRA SHEILA ; CAO HUNG ; CAO HUNG H ; CONNORS KEVIN ; CONNORS KEVIN G ; CONNORS KEVIN GERALD ; DAYTON PETER ; GILLESPIE JOHN ; GILLESPIE JR JOHN ; GILLESPIE WALTER ; GILLESPIE WALTER D ; KILCOYNE JOHN T ; LIDDICOAT JOHN ; LIDDICOAT JOHN R ; LIDDICOAT JOHN RANDALL ; MATSUURA DAVID ; MATSUURA DAVID G ; NGUYEN KHOI M ; PINTAURO WILLIAM L ; SCHUTT ERNEST G ; SCHUTT ERNEST GEORGE ; WALLIN SHEILA ; WALLIN SHEILA K ; YUREK MATHEW T ; YUREK MATTHEW T

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Agent(s): DELANEY KAROLINE A ; KNOBBE MARTENS OLSON AND BEAR LLP ; MEISSNER BOLTE AND PARTNER GBR ; ORRICK HERRINGTON AND SUTCLIFFE LLP ; ORRICK HERRINGTON AND SUTCLIFFE LLP IP PROSECUTION DEPARTMENT ; ORRICK HERRINGTON AND SUTCLIFFE LLP, IP PROSECUTION DEPARTMENT ; POPP EUGEN ; SEAN

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

15) Family number: 41935733 (US2010074934 AA)

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Title: MEDICAL IMPLANTS WITH A COMBINATION OF COMPOUNDS

Abstract: Implants are associated with a combination of paclitaxel or derivatives and dipyridamole or derivatives in order to inhibit fibrosis that may otherwise occur when the implant is placed within an animal. Exemplary implants include intravascular implants (e.g., coronary and peripheral vascular stents, catheters, balloons), non-vascular stents, pumps and sensors, vascular grafts, perivascular devices, implants for hemodialysis access, vena cava filters, implants for providing an anastomotic connection, electrical devices, intraocular implants, and soft tissue implants and fillers.

Classifications:

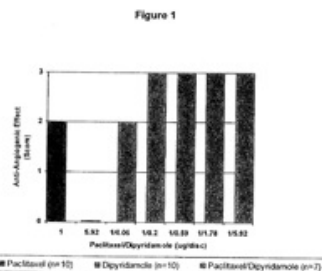
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A61L27/14 A61L27/54 A61L27/58 A61L29/00 A61L29/14 A61L29/16
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US: 424/422 424/422P 514/262.1 514/262.100S

PatBase - US2010074934 AA

Patent Application Publication Mar. 25, 2010 Sheet 1 of 4 US 2010/074934 A1



Family:

Publication number	Publication date	Application number	Application date
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US2010074934 AA	20100325	US20070518962	20071212
WO08070996 A1	20080619	WO2007CA02267	20071212

Priority:

US20060869905P 20061213 WO2007CA02267 20071212 US20070518962 20071212

Probable Assignee: ANGIOTECH PHARMACEUTICALS INC

Assignee(s): (std): ANGIOTECH PHARM INC ; HUNTER WILLIAM L

Assignee(s): ANGIOTECH PHARMACEUTICALS INC ; WELLS FARGO FOOTHILL LLC AGENT AS

Inventor(s): (std): HUNTER WILLIAM L

Agent(s): BARRIGAR INTELLECTUAL PROPERTY LAW ; COOPER MICHAEL D ET AL ; KNOBBE MARTENS OLSON AND BEAR LLP ; KREMER SIMON MARK

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY

CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN
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TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

16) Family number: 54079198 (US2014288541 AA)

© PatBase

Title: LESION TREATMENT DEVICE AND METHODS FOR TREATING LESIONS

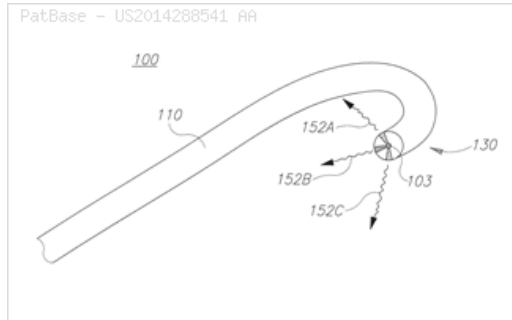
Abstract: Tissue and vessel treatment devices and respective methods are provided. Devices comprise a flexible treatment layer that comprises a plurality of operable elements configured to be activated to apply the treatment to the obstruction upon bending of the flexible treatment layer beyond a specified curvature threshold and to be de-activated upon a specified decrease of the bending. The treatment layer may comprise optical fiber(s) with the operable elements as emission regions that emit electromagnetic radiation from the core upon bending the optical fiber beyond a specified bending threshold. Devices may be configured as vessel sealing tips for surgical forceps, in which the treatment layer is configured to yield vessel welding and vessel cutting effects.

Classifications:

International (IPC 8-9): A61B17/12 A61B17/22 A61B17/28
A61B17/29 A61B17/30 A61B17/32 A61B17/3205 A61B17/3207
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US: 1/1 385/28 385/32 606/52 606/7 703/7



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Publication number	Publication date	Application number	Application date
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WO13084227 A8	20170209	WO2012IL50496	20121204
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Priority:

US20110566667P	20111204	US20120592602P	20120131	US20120678753P	20120802
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Probable Assignee: ASYMMETRIC MEDICAL LTD

Assignee(s): (std): ASYMMETRIC MEDICAL LTD

Inventor(s): (std): ESHKOL MOSHE ; WEISBERG ORI ; WESBERG ORI

Inventor(s): EHKOL MOSHE

Agent(s): FUJITA KAZUKO; PEARL COHEN ZEDEK LATZER; PEARL COHEN ZEDEK LATZER BARATZ UK LLP; PEARL COHEN ZEDEK LATZER ET AL; SANO SOUCHIROU; TAL OPHIR; TAL OPHIR 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

Title: TUBULAR PROPULSION DEVICES AND METHODS OF USE THEREOF

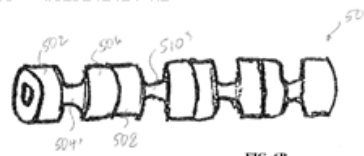
Abstract: Tubular propulsion devices and systems and methods for using such devices and systems to restore, replace, or augment or otherwise modulate active transport of fluids through a diseased or damaged tubular organ or organ segment are described. The devices have a hollow center surrounded by a peripheral wall. The devices can be multilayer devices. The devices may be single tube devices or multi-section devices. Typically, elements for altering the structure of the device, such as via compression, expansion, twisting, and/or contraction of one or more sections of the peripheral wall, are included in the walls or are outside or inside, of the walls of the device. The devices undergo intermittent change of the contained volume (luminal volume) in a sequential manner to direct fluid flow. In use, the devices are able to serve as local mini or regional-pumps.

Classifications:

International (IPC 8-9): A61F2/06 A61F2/82 A61F2/958 A61L24/00 A61M1/10

CPC: A61F2/06 A61F2/82 A61F2002/044 A61F2002/045 A61F2002/047 A61F2002/048 A61F2210/0033 A61F2210/0047 A61F2210/0061 A61F2210/0076 A61F2210/009 A61M1/1046 A61M1/1055 A61M1/1056 A61M1/1058 A61M1/125

PatBase - WO19241414 A1



Family:

Publication number	Publication date	Application number	Application date
WO19241414 A1	20191219	WO2019US36811	20190612

Priority:

US20180684130P 20180612

Probable Assignee: UNIV ARIZONA

Assignee(s): (std): UNIV ARIZONA

Assignee(s): ARIZONA BOARD OF REGENTS ON BEHALF OF UNIV OF ARIZONA

Inventor(s): (std): SLEPIAN MARVIN J

Agent(s): MONHEIT RIVKA D 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA 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

18) Family number: 56548752 (US2015202456 AA)

Title: SYSTEM AND METHOD FOR OPTOGENETIC THERAPY

Abstract: Configurations are described for utilizing light-activated proteins within cell membranes and subcellular regions to assist with medical treatment paradigms, such as hypertension treatment via anatomically specific and temporally precise modulation of renal plexus activity. The invention provides for proteins, nucleic acids, vectors and methods for genetically targeted expression of light-sensitive proteins to specific cells or defined cell populations. In particular the invention provides systems, devices, and methods for millisecond-timescale temporal control of certain cell activities using moderate light intensities, such as the generation or inhibition of electrical spikes in nerve cells and other excitable cells.

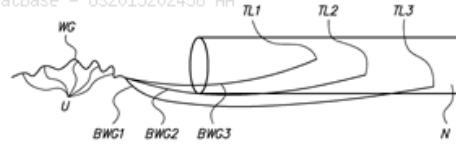
Classifications:

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US: 1/1 604/20 604/506 604/95.01 604/95.03 607/3 607/88 607/92

PatBase - US2015202456 AA



Family:

Publication number	Publication date	Application number	Application date
AU2013348395 AA	20150611	AU20130348395	20131121
CA2018206816 AA	20180816	AU20180206816	20180720
CA2894718 AA	20150520	CA20132894718	20131121
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CN107243114 A	20171013	CN201610974511	20131121
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EP3659518 A1	20200603	EP20190202013	20131121
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US2018280716 AA	20181004	US20180938285	20180328
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US2020114162 AA	20200416	US20190581000	20190924
US2020139151 AA	20200507	US20200744024	20200115
WO14081449 A1	20140530	WO2013US00262	20131121

Priority:

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US20200744024	20200115				

Probable Assignee: CIRCUIT THERAPEUTICS INC

Assignee(s): (std): ANDERSEN DAN ; ARROW ALEXANDER ; CIRCUIT THERAPEUTIC INC ; CIRCUIT THERAPEUTICS INC ; DEISSEROTH KARL ; DELP SCOTT ; HUANG JOYCE ; LUNDMARK DAVID ; MOLL FREDERIC ; MOORE DAVID ; STAHLER GREG ; STAHLER KATHRYN J

Assignee(s): MAGICHEART INVESTMENTS LLC

Inventor(s): (std): ALEXANDER ARROW ; ANDERSEN DAN ; ANGELEY DAVID ; ARROW ALEXANDER ; ARROW ALEXANDER K ; DAN ANDERSEN ; DAVID LUNDMARK ; DAVID MOORE ; DEISSEROTH KARL ; DELP SCOTT ; FREDERIC MOLL ; GREG STAHLER ; HUANG JOYCE ; JOYCE HUANG ; KARL DEISSEROTH ; LUNDMARK DAVID ; LUNDMARK DAVID C ; MITRA ANANYA ; MOLL FRED ; MOLL FREDERIC ; MOORE DAVID ; SCOTT DELP ; STAHLER GREG

Agent(s): DAVID C ; DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; LECOMTE AND PARTNERS ; LUNDMARK DAVID C ; RICHES MCKENZIE AND HERBERT LLP

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

19) Family number: 75510767 (US2019247050 AA)

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Title: INTEGRATED SYSTEM FOR THE INFIXION AND RETRIEVAL OF IMPLANTS

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

Classifications:

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

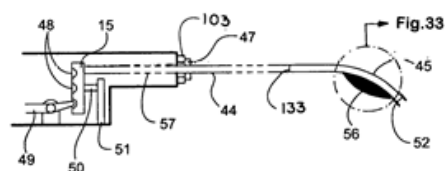
A61B18/18 A61F2/82

CPC: A61B17/00491 A61B17/0057 A61B17/12118 A61B17/12181

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A61B2017/00876 A61B2017/1205 A61F2/82

PatBase - US2019247050 AA



Family:

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

Priority:

US20180932172 20180214

Probable Assignee:

GOLDSMITH DAVID S

Assignee(s): (std):

GOLDSMITH DAVID S

Inventor(s): (std):

GOLDSMITH DAVID S

20) Family number: 43091254 (US2009088648 AA)

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Title: METHODS AND DEVICES FOR IMAGE-GUIDED MANIPULATION OR SENSING OF ANATOMIC STRUCTURES

Abstract: Forward-looking ultrasound transducers are positioned at the tip of a transseptal catheter to facilitate transseptal puncture and interventions within the left atrium, pulmonary veins and mitral valve. Catheter devices and systems are guided by forward-looking ultrasound or optical coherence tomography imaging for penetrating from one location within a mammalian patient's body to another location, and/or performing diagnostic or therapeutic interventions. A penetrator, diagnostic, or interventional device (eg. probe, biopsy apparatus, electrode, needle) is positioned at the catheter tip and is advanceable from the catheter to a target location outside of the lumen in which the catheter is positioned. The imaging probe uses forward-looking ultrasound or optical coherence tomography that allows one to locate both the target and the medical device. The operator may then adjust the position and/or rotational orientation of the catheter such that when the medical device is subsequently advanced it will either enter or be deployed at the target location.

Classifications:

International (IPC 8-9): A61B8/12 A61B8/14

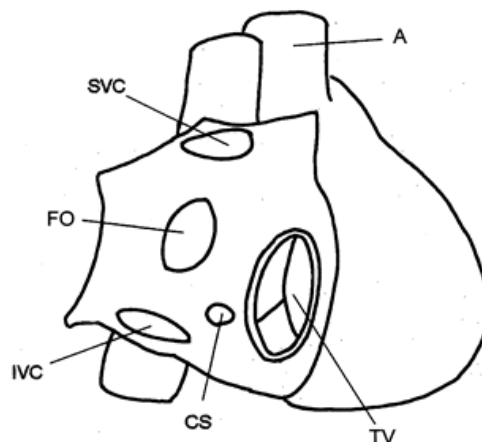
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A61B8/483

US: 600/437 600/443 600/459 600/462 600/466 600/466P

PatBase - US2009088648 AA



Family:

Publication number	Publication date	Application number	Application date
US2009088648 AA	20090402	US20080213386	20080618
US8172757 BB	20120508	US20080213386	20080618

Priority:

US20070929187P 20070618

US20080213386 20080618

Probable Assignee: SUNNYBROOK HEALTH SCIENCES CENTRE

Assignee(s): (std): COURTNEY BRIAN K ; JAFFE RONEN ; STRAUSS BRADLEY H ; SUNNYBROOK HEALTH SCIENCES CT
Assignee(s): SUNNYBROOK HEALTH SCIENCES CENTRE
Inventor(s): (std): COURTNEY BRIAN K ; JAFFE RONEN ; STRAUSS BRADLEY H
Agent(s): RALPH A DOWELL OF DOWELL AND DOWELL PC

21) Family number: 80421777 (US2020253670 AA)

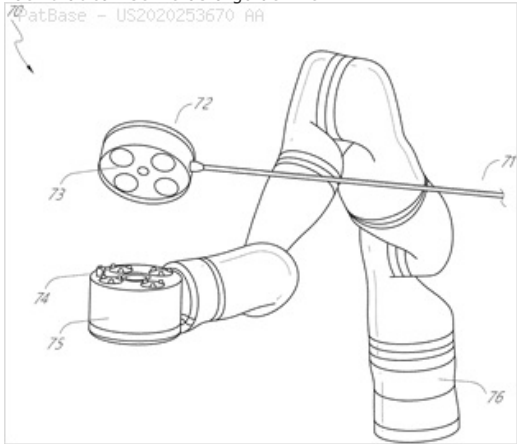
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Title: ROBOTICALLY CONTROLLED CLOT MANIPULATION AND REMOVAL

Abstract: Certain aspects relate to systems, devices, and techniques for clot manipulation and removal. At least some of the devices for clot manipulation and removal can be robotically controlled. These devices can include one or more elongate members that can be robotically driven through a patient's vasculature. One such device can include a first elongate member that can serve as an access sheath, a second elongate member that can serve as a clot removal catheter, a third elongate member that can serve as a clot disruptor, and a fourth elongate member that can serve as a guidewire.

Classifications:

International (IPC 8-9): A61B17/12 A61B17/32 A61B17/3207
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CPC: A61B17/12136 A61B17/22 A61B17/221 A61B17/3207
A61B2017/22038 A61B2017/22067 A61B2017/22079
A61B2017/320775 A61B2034/301 A61B2034/303 A61B2090/08021
A61B2217/005 A61B34/30 A61G13/00



Family:

Publication number	Publication date	Application number	Application date
US2020253670 AA	20200813	US20200748405	20200121
WO20163076 A1	20200813	WO2020US14438	20200121

Priority:

US20190803328P 20190208 US20200748405 20200121

Probable Assignee: AURIS HEALTH INC

Assignee(s): (std): AURIS HEALTH INC

Inventor(s): (std): DOISNEAU ANNE ; DOISNEAU ANNE DONAHUE ; HASSAN ALEXANDER ; HASSAN ALEXANDER TAREK ; MOLL FREDERIC ; MOLL FREDERIC H

Agent(s): CHRISTENSEN MICHAEL R

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 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 WS ZA ZM ZW

22) Family number: 76606193 (US2019350567 AA)

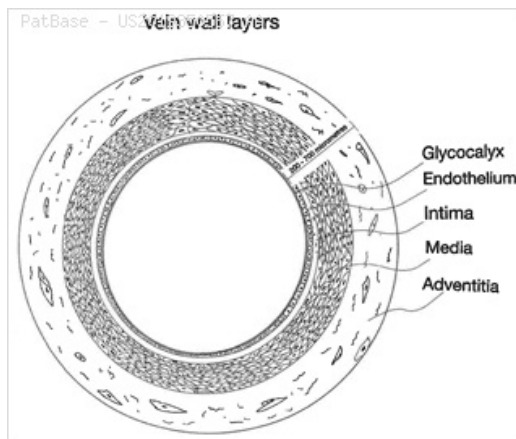
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Title: DEVICES AND METHODS FOR TREATING A VESSEL IN A SUBJECT

Abstract: A method of treating a vessel in a subject comprises the steps of advancing a device distally across a treatment zone in a vessel, wherein the device comprises an elongated catheter having a lumen and a distal end, and a radially expansive treatment element disposed in the lumen and configured for axial movement relative to the catheter; deploying the radially expansive treatment element proud of the distal end of the catheter to radially expand and circumferentially impress against the vessel lumen at a distal end of the treatment zone; and withdrawing the deployed radially expansive treatment element proximally along the treatment zone with the treatment element circumferentially impressed against the vessel lumen to mechanically and circumferentially denude the treatment zone of the vessel. The radially expansive treatment element is then recaptured into the lumen of the catheter, before the device is withdrawn from the treated vessel.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/3205 A61B17/3207
A61B18/14
CPC: A61B17/00008 A61B17/3205 A61B17/3207 A61B17/320758
A61B18/1492 A61B2017/00778 A61B2017/22065 A61B2017/320004
A61B2017/320733 A61B2017/320741 A61B2018/00404
A61M25/0082



Family:

Publication number	Publication date	Application number	Application date
AU2019270520 AA	20201022	AU20190270520	20190520
CA3095704 AA	20200930	CA20193095704	20190520
US2019350567 AA	20191121	US20190416838	20190520
WO19219975 A1	20191121	WO2019EP62998	20190520

Priority:

EP20180173170 20180518 WO2019EP62998 20190520

Probable Assignee: NAT UNIV IRELAND GALWAY

Assignee(s): (std): NAT UNIV IRELAND GALWAY ; NATIONAL UNIV OF IRELAND GALWAY

Assignee(s): COX STEPHEN ; CUMMINS SEAN ; O HALLORAN MARTIN ; PHELAN NIGEL

Inventor(s): (std): COX STEPHEN ; CUMMINS SEAN ; O HALLORAN MARTIN ; PHELAN NIGEL

Agent(s): FOUNDRY INTELLECTUAL PROPERTY PTY LTD; PURDY HUGH BARRY; ROBIC

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 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

23) Family number: 47547452 (US2010286791 AA)

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

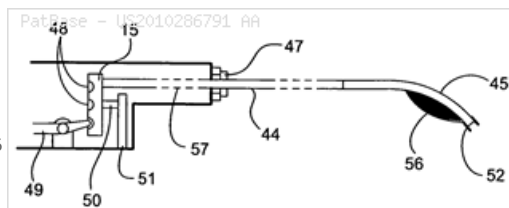
Abstract: Provided are methods and apparatus for the use of magnetic traction to maintain the patency of a tubular anatomical structure, whether a vessel, duct, the trachea, bronchus, bile duct, ureter, vas deferens, fallopian tube, or portions of the digestive tract, as to constitute means for extraluminal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

Classifications:

International (IPC 8-9): A61B17/28 A61B17/50 A61B18/04 A61F13/00 A61F2/04 A61F2/82 A61F2/95 A61M25/00 A61M31/00 A61M36/12 A61M37/00

CPC: A61B17/00491 A61B17/0057 A61B17/12022 A61B17/12118 A61B17/12181 A61B17/3468 A61B18/04 A61B18/18 A61B2017/00411 A61B2017/00544 A61B2017/0065 A61B2017/00876 A61B2017/1205 A61B2017/22001 A61B18/02 A61B18/1492 A61B18/245 A61B2017/00809 A61B2018/00005 A61B2018/00023 A61B2018/00345 A61B2018/00517 A61B2018/00541 A61B2018/00577 A61B2018/00595 A61B2018/00982 A61B2018/1861 A61B2218/002 A61F2/013 A61F2/82 A61F2/95 A61F2002/9528 A61F2210/009 A61M37/00 A61N2005/1011 A61N7/00

US: 600/8 600/8S 602/43 602/43S 604/500 604/523 604/523S 604/524 604/524S 604/93.01 604/93.010S 606/205 606/205S 606/211 606/211S 606/27 606/27S 623/1.11 623/23.7 623/23.700P



Family:

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

Priority:

US20060860392P 20061121 US20070986021 20071119 US20130694835 20130109

Probable Assignee: GOLDSMITH DAVID S

Assignee(s): (std): GOLDSMITH DAVID S

Inventor(s): (std): GOLDSMITH DAVID S

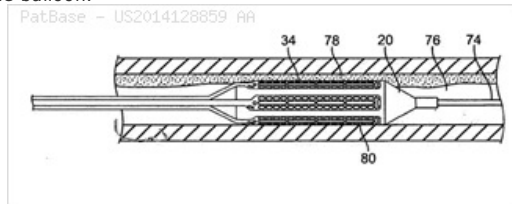
Agent(s): DAVID S GOLDSMITH

Title: FLEX CIRCUIT/BALLOON ASSEMBLIES UTILIZING TEXTURED SURFACES FOR ENHANCED BONDING

Abstract: Systems, methods and devices for remodeling a tissue of or adjacent to a body passageway may include or utilize a catheter having an expandable balloon with a plurality of flexible circuits. In some instances, laser texturing may be utilized to facilitate enhanced bonding of the flexible circuits to the expandable balloon.

Classifications:

International (IPC 8-9): A61B18/12 A61B18/14 A61B18/18
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A61L2400/18 A61L29/14 A61M2025/1086 A61M25/1027 Y10T156/10
US: 156/60 606/33



Family:

Publication number	Publication date	Application number	Application date
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JP6204483 B2	20170927	JP20150541823T	20131101
US2014128859 AA	20140508	US20130070211	20131101
WO14071223 A1	20140508	WO2013US68122	20131101

Priority:

US20120796124P 20121102 WO2013US68122 20131101 US20130070211 20131101

Probable Assignee: VESSIX VASCULAR INC

Assignee(s): (std): BOSTON SCIENT SCIMED INC ; BOSTON SCIENTIFIC SCIMED INC ; VESSIX VASCULAR INC

Inventor(s): (std): LEE HENRY H

Agent(s): GRIFFITH HACK; MCGRATH MICHAEL J; ONDA HIRONORI; ONDA MAKOTO; SPRUSON AND FERGUSON; VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB

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

Title: ENDOSCOPIC IMAGING SYSTEM

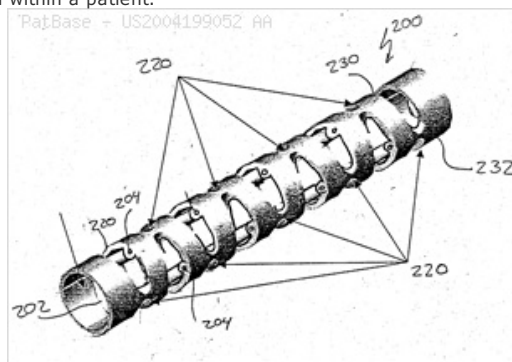
Abstract: An endoscopic imaging system includes a reusable control cabinet having a number of actuators that control the orientation of a lightweight endoscope that is connectable thereto. The endoscope is used with a single patient and is then disposed. The endoscope includes an illumination mechanism, an image sensor and an elongate shaft having one or more lumens located therein. A polymeric articulation joint at the distal end of the endoscope allows the distal end to be oriented by the control cabinet. The endoscope is coated with a hydrophilic coating that reduces its coefficient of friction and because it is lightweight, requires less force to advance it to a desired location within a patient.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/005 A61B1/008 A61B1/01 A61B1/012 A61B1/015 A61B1/018 A61B1/04 A61B1/045 A61B1/05 A61B1/06 A61B1/12 A61B1/31 A61B17/00 G02B23/24
International (IPC 1-7): A61B1/00 A61B1/008 A61B1/01 A61B1/015 A61B1/04 A61B1/06 A61B1/12

CPC: A61B1/00071 A61B1/0008 A61B1/00147 A61B1/0016 A61B1/0051 A61B1/0052 A61B1/0055 A61B1/0057 A61B1/008 A61B1/015 A61B1/04 A61B1/05 A61B1/06 A61B1/0676 A61B1/0684 A61B1/31 A61B2017/00309 A61B2017/00314 A61B2017/00327 A61B2017/0042 A61B1/00039 A61B1/00112 A61B1/00119 A61B1/00124 A61B1/0653 A61B1/126 A61B1/128 A61B1/00018 A61B1/00045 A61B1/00059 A61B1/00066 A61B1/00137 A61B1/018 A61B1/045 A61B1/00186 A61B1/00011 A61B1/12 Y10T137/8376

US: 1/1 137/560 137/560S 600/103 600/104 600/109 600/109S 600/117 600/117P 600/118 600/118P 600/118S 600/127 600/129 600/129S 600/131 600/132 600/132P 600/139 600/141 600/141P 600/141S 600/142 600/142P 600/143 600/144 600/145 600/146 600/146S 600/152 600/152S 600/153 600/156 600/156P 600/156S 600/159 600/159P 600/169 600/179 600/179P 600/179S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20180885487	20180131	US20190409439	20190510	US20200987836	20200807

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A ; COUVILLON JR LUCIEN ALFRED ; COUVILLON LUCIEN A ; COUVILLON LUCIEN A JR ; COUVILLON LUCIEN ALFRED ; COUVILLON LUCINE A ; FANTONE STEPHEN D ; GREAVES AMNA E R ; GREAVES AMNA ELONA RATHORE ; GREAVES ANNA E R ; HUNTER IAN W ; K RICHARD J WISEMAN RICHARD M ; KIROUAC ANDREW P ; KIROUAC ANDREW PETER ; KIROUACA ANDREW P ; KNAPP KEITH ; MACNAMARA FRANCIS T ; MASON TIMOTHY J ; MASON TIMOTHY JAMES ; MEHTA NEIL R ; MEHTA NEIL RASIK ; ORBAND DANIEL G ; SABER MICHAEL ; SABER MICHAEL P ; SAPERSTEIN ERIC ; SMITH DAVID ; STEWART WILLIAM C ; TURTURRO VINCENT ; WEISSBURG DAVID L ; WIESMAN RICHARD M ; WISEMAN RICHARD M

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

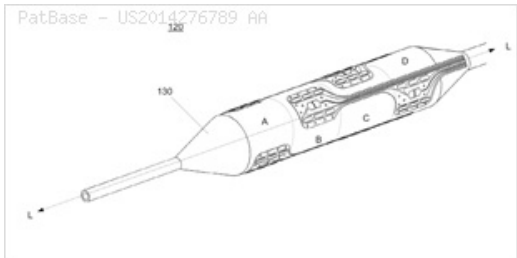
26) Family number: 57423862 (US2014276789 AA) © PatBase

Title: METHODS AND APPARATUSES FOR REMODELING TISSUE OF OR ADJACENT TO A BODY PASSAGE

Abstract: Medical devices and methods for making and using the same are disclosed. An medical device may include a medical device for renal nerve ablation. The medical device may include a catheter shaft having a distal region. An expandable balloon may be coupled to the distal region. An electrode assembly may be coupled to the balloon. The electrode assembly may include a first electrode pad including one or more electrodes. The first electrode pad may have a first lead-in edge, a first protruding edge, and a first transition region with a continuously changing curvature disposed between the first lead-in edge and the first protruding edge.

Classifications:

International (IPC 8-9): A61B18/00 A61B18/12 A61B18/14 A61B5/00 A61B90/00 A61M25/10 A61N1/05 A61N1/36
CPC: A61B18/1492 A61B2018/0016 A61B2018/0022 A61B2018/00434 A61B2018/00577 A61B2018/00815 A61B2018/00839 A61B2090/3966 A61B2562/12 A61B5/4064 A61B5/6853 A61M25/10 A61N1/0551 A61N1/36057
US: 1/1 606/41



Family:

Publication number	Publication date	Application number	Application date
CN105473090 A	20160406	CN201480027982	20140311
CN105473090 B	20190503	CN201480027982	20140311
EP2967734 A1	20160120	EP20140718234	20140311
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JP2016515863 T2	20160602	JP20160501289T	20140311
JP6220044 B2	20171025	JP20160501289T	20140311
US2014276789 AA	20140918	US20140204821	20140311
US9827039 BB	20171128	US20140204821	20140311
WO14150553 A1	20140925	WO2014US23586	20140311

Priority:

US20130798352P 20130315 US20130919582P 20131220 WO2014US23586 20140311
US20140204821 20140311

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

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Inventor(s): (std): DANDLER ANDRES ; MATHUR PRABODH

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

Title: MEDICAL DEVICES AND METHODS FOR TREATMENT OF HYPERTENSION THAT UTILIZE IMPEDANCE COMPENSATION

Abstract: Medical devices and methods for making and using the same are disclosed. An example medical device may include a control unit for determining an electrical leakage between a first electrode pad and a second electrode pad of an in vivo medical device. The first electrode pad may be spaced from the second electrode pad. The first electrode pad may have an active electrode and a spaced ground electrode. The second electrode pad may have an active electrode and a ground electrode. The ground electrode of the first electrode pad may be electrically connected to the ground electrode of the second electrode pad.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/22 A61B18/00

A61B18/12 A61B18/14 A61B18/16 A61B19/00 A61B34/20

A61B5/053 A61B90/00 A61N1/05 A61N1/36 G01R31/02

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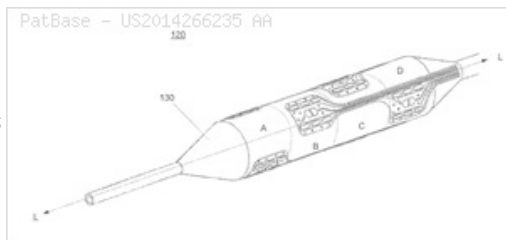
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G01R31/50

US: 1/1 324/509 607/44



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20130788429P 20130315 WO2014US20368 20140304 US20140196829 20140304

US20160045108 20160216

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

Assignee(s): (std): BOSTON SCIENTIFIC SCIMED INC ; BOSTON SCIENTIFIC SCIMED INC

Inventor(s): (std): MATHUR PRABODH

Agent(s): GRIFFITH HACK; KACVINSKY DAISAK BLUNI PLLC; ONDA HIRONORI; ONDA MAKOTO; SPRUSON AND FERGUSON; VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB; WICKHEM J SCOT

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

Title: METHODS AND APPARATUSES FOR REMODELING TISSUE OF OR ADJACENT TO A BODY PASSAGE

Abstract: Medical devices and methods for making and using the same are disclosed. An example method may include a method for treating tissue near a body passageway using an apparatus including a catheter having a plurality of electrodes, a radio-frequency energy generator, and a controller coupling the energy generator to the plurality of electrodes and configured to selectively energize the electrodes. The method may include using the apparatus to subject the tissue near the body passageway to a plurality of energy treatment cycles. The treatment cycle may include determining desired voltages for at least a subset of the electrodes for maintaining a predetermined target temperature profile proximate the subset of electrodes, setting an output voltage of the energy generator to correspond to the desired voltage determined for one of the electrodes, and energizing at least some of the electrodes at the output voltage to deliver energy to the body passageway.

Classifications:

International (IPC 8-9): A61B18/00 A61B18/04 A61B18/12

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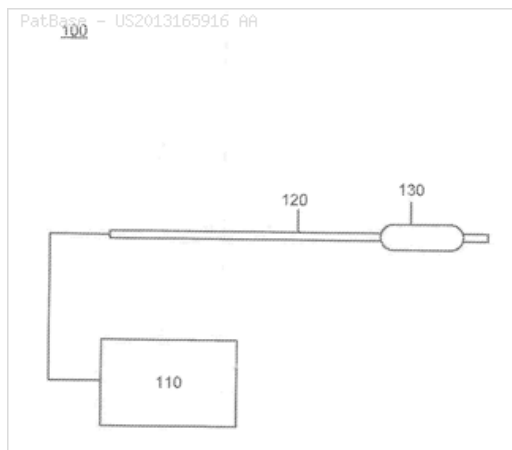
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US: 1/1 606/32 606/33 606/41 607/101 607/102 607/116 607/44



Family:

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US2013165917 AA	20130627	US20120725894	20121221
US9028472 BB	20150512	US20120725894	20121221
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US2013165926 AA	20130627	US20130750879	20130125
US9186211 BB	20151117	US20130750879	20130125
US2013165990 AA	20130627	US20130760846	20130206
US9402684 BB	20160802	US20130760846	20130206
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US9566114 BB	20170214	US20150942625	20151116
US2016106984 AA	20160421	US20150984808	20151230
US2017348529 A9	20171207	US20150984808	20151230
US9901738 BB	20180227	US20150984808	20151230

US2017080560 AA	20170805	US20160145719	20160503
US10039599 BB	20180807	US20160385590	20161220
US2017135757 AA	20170518	US20160385590	20161220
US10350005 BB	20190716	US20170664115	20170731
US2018036072 AA	20180208	US20170664115	20170731
WO13096913 A2	20130627	WO2012US71498	20121221
WO13096913 A3	20131010	WO2012US71498	20121221
WO13096916 A2	20130627	WO2012US71504	20121221
WO13096916 A3	20140320	WO2012US71504	20121221
WO13096919 A1	20130627	WO2012US71508	20121221
WO13096920 A1	20130627	WO2012US71510	20121221
WO13096922 A1	20130627	WO2012US71512	20121221

Priority:

US20110580141P	20111223	US20120632624P	20120127	US20120633154P	20120206
US20120743237P	20120829	US20120743225P	20120829	US20120743238P	20120829
WO2012US71508	20121221	WO2012US71512	20121221	WO2012US71498	20121221
WO2012US71504	20121221	WO2012US71510	20121221	EP20120816588	20121221
EP20160190826	20121221	JP20140548991T	20121221	US20120725843	20121221
US20120725872	20121221	US20120725894	20121221	US20120725885	20121221
US20120725904	20121221	US20130750879	20130125	US20130760846	20130206
US20150942625	20151116	US20150984808	20151230	US20160145719	20160503
US20160385590	20161220	JP20170079684	20170413	US20170664115	20170731

Probable Assignee: VESSIX VASCULAR INC

Assignee(s): (std): BOSTON SCIENT SCIMED INC ; BOSTON SCIENTIFIC SCIMED INC ; VESSIX VASCULAR INC

Assignee(s): MATHUR PRABODH ; MOADDEB SHAHRAM ; NASSIF RABIH ; PEREZ DOLORES ; VESSIX VASCULAR INC LAGUNA HILLS ; VESSIX VASCULAR INC106 - 26052 MERIT CIRCLELAGUNA HILLSCA92653US

Inventor(s): (std): COHEN RAYMOND ; DANDLER ANDRES ; DOLORES PEREZ ; ESPINOSA JOSELUIS ; HENRY LEE ; LEE HENRY H ; MARTHUR PRABODH ; MATHUR PRABODH ; MAZOR MEITAL ; MOADDEB SHAHRAM ; NASSIF RABIH ; PEREZ DOLORES ; PRABODH MATHUR ; RABIH NASSIF ; SHAHRAM MOADDEB

Inventor(s): MARTHUR PRABODH LAGUNA NIGUEL ; MATHUR PRABODH LAGUNA NIGUEL ; MATHUR PRABODHUS ; MOADDEB SHAHRAM IRVINE ; MOADDEB SHAHRAMUS ; NASSIF RABIH CORONA ; NASSIF RABIHUS ; PEREZ DOLORES ESCONDIDO ; PEREZ DOLORESUS

Agent(s): CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; GRIFFITH HACK; KACVINSKY DAISAK BLUNI PLLC; MCGRATH MICHAEL J; ONDA HIRONORI; ONDA MAKOTO; SEAGER TUTTE AND WICKHEM LLC; SMART AND BIGGAR; SMART AND BIGGAR LLP; SPRUSON AND FERGUSON; VOSSIUS AND PARTNER; VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB

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 HW 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

29) Family number: 32385431 (WO05051316 A2)

PatBase

Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

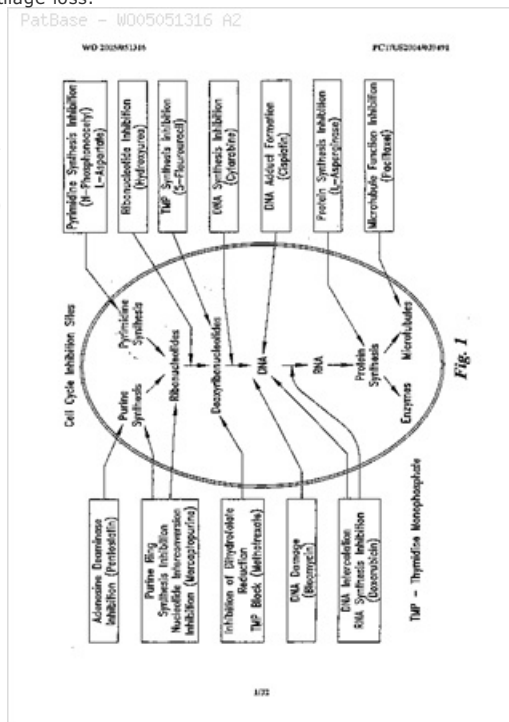
Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

Classifications:

International (IPC 8-9): A61B17/068 A61B17/12 A61F2/02 A61F2/06 A61F2/16 A61F2/20 A61F2/24 A61F2/26 A61F2/44 A61F2/82 A61F2/84 A61K31/337 A61K31/4745 A61K31/65 A61K45/00 A61K45/06 A61K47/34 A61L A61L27/00 A61L29/00 A61L31/00 A61L31/08 A61L31/10 A61L31/14 A61L31/16 A61M1/10 A61M1/12 A61M25/00 A61M25/01 A61P17/00 A61P17/02 A61P19/00 A61P19/02 A61P29/00 A61P31/00 A61P31/10 A61P41/00 A61P9/00 A61P9/10

International (IPC 1-7): A61L31/00

CPC: A61L2300/404 A61L2300/416 A61L31/10 A61L31/16 A61P17/00 A61P17/02 A61P19/02 A61P29/00 A61P31/10 A61P9/00 A61P9/10



Family:

Publication number	Publication date	Application number	Application date
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AU2004293071 AA	20050609	AU20040293071	20041122
CA2536181 AA	20060215	CA20042536181	20041122
EP1684819 A2	20060802	EP20040816983	20041122
HK1093924 A1	20070316	HK20070100645	20070118
HK1093924 A3	20070316	HK20070100645	20070118
IL174641 A0	20060820	IL20040174641	20041122
JP2007517543 T2	20070705	JP20060541670T	20041122
WO05051452 A2	20050609	WO2004US39389	20041122
WO05051316 A2	20050609	WO2004US39491	20041122
WO05051316 A3	20100128	WO2004US39491	20041122

Priority:

US20030523908P 20031120 US20030525226P 20031124 US20030526541P 20031203
US20040566569P 20040428 US20040586861P 20040709 US20040611077P 20040917
US20040986231 20041110 WO2004US39389 20041122

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG ; AVELAR RUI ; GRAVETT DAVID M ; GUAN DECHI ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M ; WANG KAIYUE

Assignee(s): ANGIOTECH INT ; ANGIOTECH INT AGDAMMSTRASSE 19CH-6300ZUGCH ; ANGIOTECH INTERNATIONAL AG ; AVELAR RUI1989 KING EDWARD AVENUE WESTVANCOUVERB1V6J 2W7CA ; GRAVETT DAVID M616 W. 21ST AVE.VANCOUVERB1V5Z 1Y8CA ; GUAN DECHI8363 SHAUGHNESSY STREETVANCOUVERB1V6P 3Y1CA ; HUNTER WILLIAM L1618 STATION STREETVANCOUVERB1V6A 1B6CA ; IPXMEDICAL LLC ; LIGGINS RICHARD T407 LAKEVIEW STREETCOQUITLAMB1V5Z 4A6CA ; LOSS TROY A ; LOSS TROY A E3-1536 EASTERN AVENUE, NORTHVANCOUVERB1V7L 3G1CA ; MAITI ARPITA211-2920 ASH STREETVANCOUVERB1V5Z 4A6CA ; TAKACS COX ANIKO103-4390 GALLANT AVENUE NORTH VANCOUVERB1V7G 1L2CA ; TOLEIKIS PHILIP M8011 LABURNUM ST.VANCOUVERB1V6P 5N8CA ; WANG KAIYUE46 WATLING STREETBURNABYB1V5J 1W1CA

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; GUAN DECHI ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M ; WANG KAIYUE

Inventor(s): ANIKO TAKACS COX ; ARPITA MAITI ; AVELAR RUI1989 KING EDWARD AVENUE WESTVANCOUVERB1V6J 2W7CA ; DAVID M GRAVETT ; GRAVETT DAVID M616 W. 21ST AVE.VANCOUVERB1V5Z 1Y8CA ; GUAN DECHI8363 SHAUGHNESSY STREETVANCOUVERB1V6P 3Y1CA ; HUNTER WILLIAM L1618 STATION STREETVANCOUVERB1V6A 1B6CA ; LIGGINS RICHARD T407 LAKEVIEW STREETCOQUITLAMB1V5Z 4A6CA ; LOSS TROY A ; LOSS TROY A E3-1536 EASTERN AVENUE, NORTHVANCOUVERB1V7L 3G1CA ; MAITI ARPITA211-2920 ASH STREETVANCOUVERB1V5Z 4A6CA ; PHILIP M TOLEIKIS ; RICHARD T LIGGINS ; RUI AVELAR ; TAKACS COX ANIKO103-4390 GALLANT AVENUE NORTH VANCOUVERB1V7G 1L2CA ; TOLEIKIS PHILIP M8011 LABURNUM ST.VANCOUVERB1V6P 5N8CA ; TROY A E LOSS ; WANG KAIYUE46 WATLING STREETBURNABYB1V5J 1W1CA ; WILLIAM L HUNTER

Agent(s): BARRIGAR INTELLECTUAL PROPERTY LAW; BERESKIN AND PARR LLP SENCRL SRL; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; LOVELLS

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

30) Family number: 66906301 (US2019117837 AA)

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Title: MATRIX BOUND NANOVESICLES AND THEIR USE

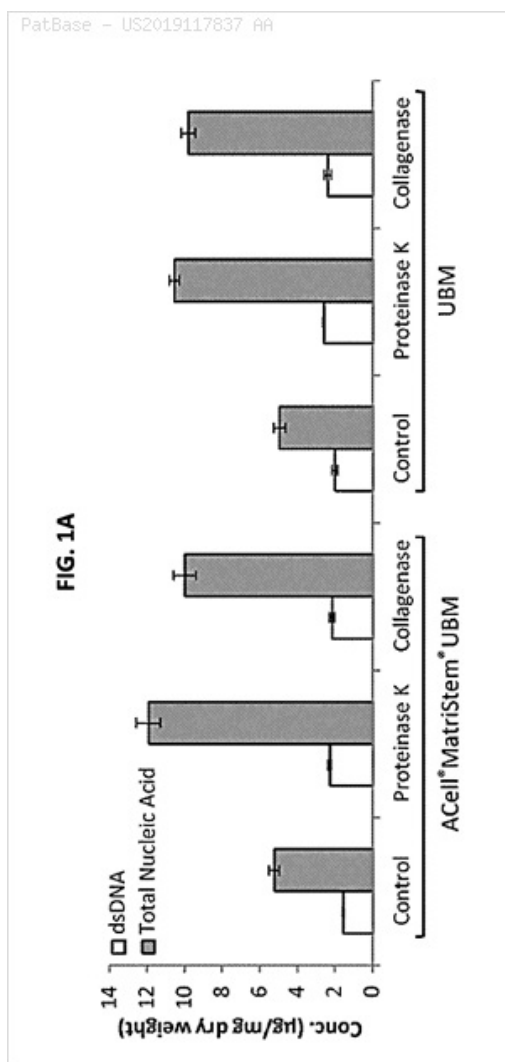
Abstract: A composition is disclosed herein that includes isolated ECM-derived nanovesicles and a pharmaceutically acceptable carrier. Methods are producing the ECM-derived nanovesicles are also disclosed. These ECM-derived nanovesicles can be included in pharmaceutical compositions, bioscaffolds, and devices. Methods for using these ECM-derived nanovesicles are provided.

Classifications:

International (IPC 8-9): A61K31/7088 A61K31/7105 A61K31/713
A61K35/12 A61K35/22 A61K35/32 A61K35/34 A61K35/36
A61K35/37 A61K35/38 A61K35/51 A61K38/02 A61K38/18
A61K38/19 A61K45/00 A61K48/00 A61K9/00 A61K9/133 A61K9/51
A61L27/36 A61L27/38 A61L27/40 A61L27/54 A61L27/56 A61L29/12
A61L29/14 A61L31/12 A61L31/14 A61P17/02 A61P35/00 A61P43/00
C07K1/14 C07K14/475 C07K14/52 C07K14/78 C12M1/00
C12N15/113 C12N15/115 C12N5/071 C12N5/074 C12N5/077
C12N5/0786 C12N5/0793 C12N5/09 C12P1/00 C12P19/00
C12P21/00

CPC: A61K31/7088 A61K31/7105 A61K35/12 A61K35/22 A61K35/36
A61K35/38 A61L2300/252 A61L2300/254 A61L2300/414
A61L2400/12 A61L27/362 A61L27/3629 A61L27/3633 A61L27/3687
A61L27/3691 A61L27/3834 A61L27/54 A61L27/56 A61P35/00
C12N15/115 C12N2310/141 C12N2320/32

US: 1/1

**Family:**

Publication number	Publication date	Application number	Application date
AU2017227790 AA	20180809	AU20170227790	20170302
CA3013223 AA	20180730	CA20173013223	20170302
CN109152737 A	20190104	CN201780027264	20170302
EP3423038 A1	20190109	EP20170760776	20170302
EP3423038 A4	20191113	EP20170760776	20170302
JP2019513125 T2	20190523	JP20180545877T	20170302
KR20180123054 A	20181114	KR20187027771	20170302
US2019117837 AA	20190425	US20170081847	20170302
WO17151862 A1	20170908	WO2017US20360	20170302

Priority:

US20160302626P 20160302 WO2017US20360 20170302 US20170081847 20170302

Probable Assignee: UNIV OF PITTSBURGH OF COMMW SYSTEM OF HIGHER EDUCATION

Assignee(s): (std): UNIV OF PITTSBURGH OF COMMW SYSTEM OF HIGHER EDUCATION ; UNIV PITTSBURGH COMMW SYS HIGHER EDUCATION

Assignee(s): BADYLAK STEPHEN FRANCIS ; HULEIHEL LUAI ; HUSSEY GEORGE S ; NARANJO GUTIERREZ JUAN DIEGO ; OF PITTSBURGH OF COMMW SYSTEM OF HIGHER EDUCATION UNIV

Inventor(s): (std): BADYLAK STEPHEN FRANCIS ; HULEIHEL LUAI ; HUSSEY GEORGE S ; NARANJO GUTIERREZ JUAN DIEGO ; NARANJO JUAN DIEGO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SIEGEL SUSAN ALPERT; SIMPSON KIRSTY MAIRI; SMART AND BIGGAR

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

31) Family number: 34322731 (US2007135803 AA)

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Title: METHODS AND APPARATUS FOR PERFORMING TRANSLUMINAL AND OTHER PROCEDURES

Abstract: The invention is directed to an apparatus for use in a transluminal procedure. The apparatus, comprising, for example, a housing having a guide lumen and a seal proximal to a distal end of the housing that extends across and completely seals the guide lumen; a fixation element in the housing and adapted to secure the distal end of the housing to tissue; and a channel extending through the side wall of the housing having an outlet in communication with the lumen distal of the seal. Methods are also provided. For example, a method includes, performing a transluminal procedure by: securing a

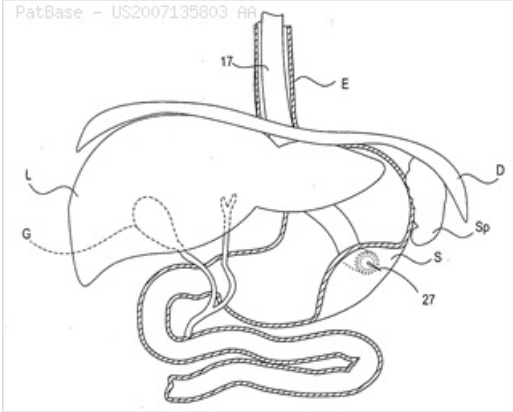
datum and position indicator to a wall of a target lumen; forming an opening in the wall; advancing an instrument through the opening; and tracking the advancement of the instrument using the datum and position indicator.

Classifications:

International (IPC 8-9): A61B1/00 A61B17/00 A61B17/32 A61B19/00

CPC: A61B1/00087 A61B1/00112 A61B1/00128 A61B1/00154 A61B1/00177 A61B1/0055 A61B1/0057 A61B1/008 A61B1/01 A61B1/015 A61B1/0615 A61B1/31 A61B1/3132 A61B17/0057 A61B17/0401 A61B17/064 A61B17/1114 A61B17/115 A61B17/1155 A61B17/1285 A61B17/3462 A61B17/3476 A61B17/3478 A61B2017/00106 A61B2017/00278 A61B2017/00296 A61B2017/003 A61B2017/00331 A61B2017/00336 A61B2017/00398 A61B2017/00482 A61B2017/00561 A61B2017/00575 A61B2017/0069 A61B2017/00871 A61B2017/0641 A61B2017/0647 A61B2017/22077 A61B2017/306 A61B2017/3419 A61B2017/3445 A61B2017/3447 A61B2017/347 A61B2017/3484 A61B2017/3486 A61B2017/3488 A61B2017/349 A61B2034/105 A61B2034/107 A61B2034/2051 A61B2034/2055 A61B2034/2059 A61B2034/2063 A61B2034/256 A61B2034/301 A61B2034/741 A61B2034/742 A61B2090/037 A61B2090/062 A61B2090/306 A61B2090/309 A61B2090/364 A61B2090/508 A61B34/20 A61B34/70 A61B34/71 A61B5/0071 A61B5/0073 A61B5/0075 A61B5/0084 A61B5/064 A61B5/418 A61B90/36 A61B90/361 A61B90/50 A61M13/003 A61M2205/0266 A61M2205/0272 A61M2205/0277 A61M2205/0283

US: 606/1 606/108 606/108S 606/167 606/167S 606/1P



Family:

Publication number	Publication date	Application number	Application date
EP1931237 A2	20080618	EP20060814791	20060914
JP2009507617 T2	20090226	JP20080531387T	20060914
JP2010069314 A2	20100402	JP20090264709	20091120
US2007135803 AA	20070614	US20060522305	20060914
WO07033379 A2	20070322	WO2006US36140	20060914
WO07033379 A3	20090528	WO2006US36140	20060914

Priority:

US20050717230P 20050914 WO2006US36140 20060914 JP20080531387 20060914
US20060522305 20060914

Probable Assignee: INTUITIVE SURGICAL OPERATIONS INC

Assignee(s): (std): BELSON AMIR ; NEOGUIDE SYSTEMS INC

Assignee(s): INTUITIVE SURGICAL INC ; INTUITIVE SURGICAL OPERATIONS INC ; VENTURE LENDING AND LEASING IV INC ; VENTURE LENDING AND LEASING V INC

Inventor(s): (std): BELSON AMIR

Agent(s): DEE IAN MARK; SHAY 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 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

32) Family number: 51756241 (IN01694KN2006 A)

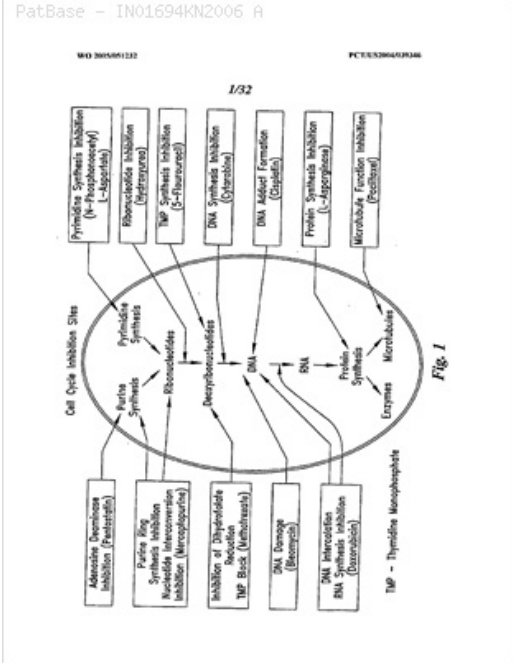
© PatBase

Title: SOFT TISSUE IMPLANTS AND ANTI-SCARRING AGENTS

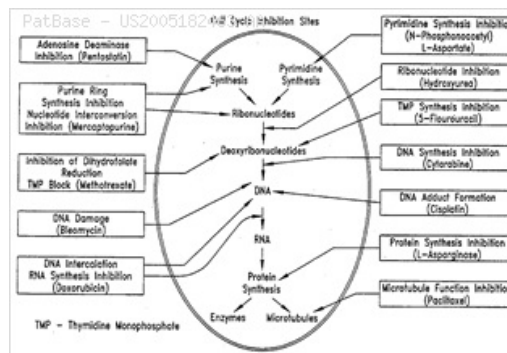
Abstract: Soft tissue implants (e.g., breast, pectoral, chin, facial, lip, and nasal implants) are used in combination with an anti-scarring agent in order to inhibit scarring that may otherwise occur when the implant is placed within an animal.

Classifications:

International (IPC 1-7): A61B5/00 A61L27/00 A61L27/54 A61L31/00 C07D213/64



Family:



Family:

Publication number	Publication date	Application number	Application date
US2005182463 AA	20050818	US20040001788	20041202

Priority:

US20030523908P 20031120	US20030525226P 20031124	US20030526541P 20031203
US20040566569P 20040428	US20040586861P 20040709	US20040611077P 20040917
US20040986231 20041110	US20040996354 20041122	US20040001788 20041202

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

35) Family number: 45995986 (US2005178396 AA)

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Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

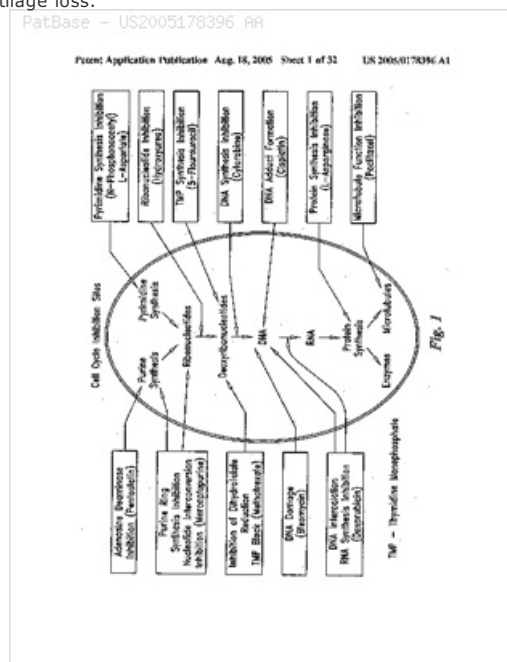
Classifications:

International (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28 A61F2/44 A61K31/337 A61K31/365 A61K31/4745 A61K31/704 A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54 A61L31/16 A61M31/00 A61N1/00 A61N1/05

International (IPC 1-7): A61B19/00 A61F2/28

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432 A61L27/54 A61L31/16 A61P31/00 A61P35/00

US: 128/898 623/14.12 623/14.1205



Family:

Publication number	Publication date	Application number	Application date
US2005178396 AA	20050818	US20040006905	20041207

Priority:

US20030523908P 20031120	US20030525226P 20031124	US20030526541P 20031203
US20040566569P 20040428	US20040586861P 20040709	US20040611077P 20040917
US20040986231 20041110	US20040996354 20041122	US20040006905 20041207

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

Classifications:

International (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28
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A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54

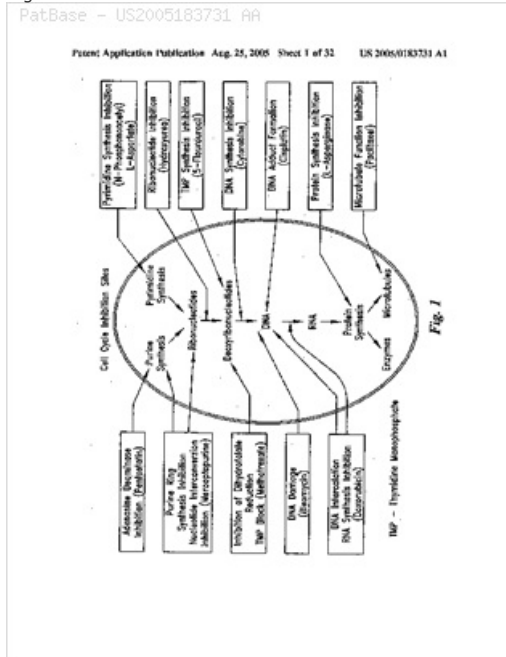
A61L31/16 A61M31/00 A61N1/00 A61N1/05

International (IPC 1-7): A61B19/00 A61F2/08

CPC: A61K45/06 A61L2300/404 A61L2300/41

A61L27/54 A61L31/16 A61P31/00 A61P31/04

US: 128/898 623/13.11 623/13.110S



Family:

Publication number	Publication date	Application number	Application date
US2005183731 AA	20050825	US20040006908	20041207

Priority:

US20030523908P	20031120	US20030525226P	20031124	US20030526541P	20031203
US20040566569P	20040428	US20040586861P	20040709	US20040611077P	20040917
US20040986231	20041110	US20040996354	20041122	US20040006908	20041207

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

Classifications:

International (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28
A61F2/44 A61K31/337 A61K31/365 A61K31/4745 A61K31/704

A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54

A61L31/16 A61M31/00 A61N1/00 A61N1/05

International (IPC 1-7): A61K31/4745 A61K31/704 A61K31/7048

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432

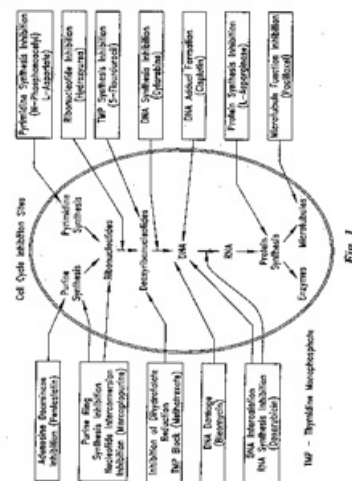
A61L27/54 A61L31/16 A61P31/00 A61P35/00

US: 424/423 424/423P 514/13.3 514/13.300S 514/16.5 514/16.500S

514/16.6 514/16.600S 514/17.1 514/17.100S 514/2 514/20.1

514/20 100S 514/27 514/27S 514/283 514/283S 514/34 514/34S

514/7 5 514/7 500S 514/9 1 514/9 100S



Family:

Publication number	Publication date	Application number	Application date
US2005186244 AA	20050825	US20040001790	20041202

Priority:

US20030523908P 20031120	US20030525226P 20031124	US20030526541P 20031203
US20040566569P 20040428	US20040586861P 20040709	US20040611077P 20040917
US20040986231 20041110	US20040996354 20041122	US20040001790 20041202

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

38) Family number: 45995984 (US2005175703 AA)

© PatBase

Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

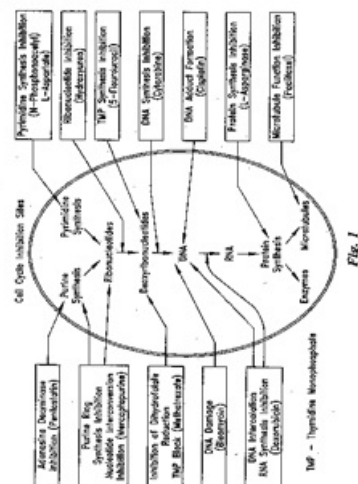
Classifications:

International (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28 A61F2/44 A61K31/337 A61K31/365 A61K31/4745 A61K31/704 A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54 A61L31/16 A61M31/00 A61N1/00 A61N1/05

International (IPC 1-7): A61K31/337 A61K31/365 A61K31/4745 A61K9/14

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432 A61L27/54 A61L31/16 A61P31/00 A61P35/00

US: 424/486 424/486P 514/283 514/283S 514/449 514/449S 514/453 514/453S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20030523908P	20031120	US20030525226P	20031124	US20030526541P	20031203
US20040566569P	20040428	US20040586861P	20040709	US20040611077P	20040917
US20040986231	20041110	US20040996354	20041122	US20040006888	20041207

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

39) Family number: 45995991 (US2005196421 AA)

Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

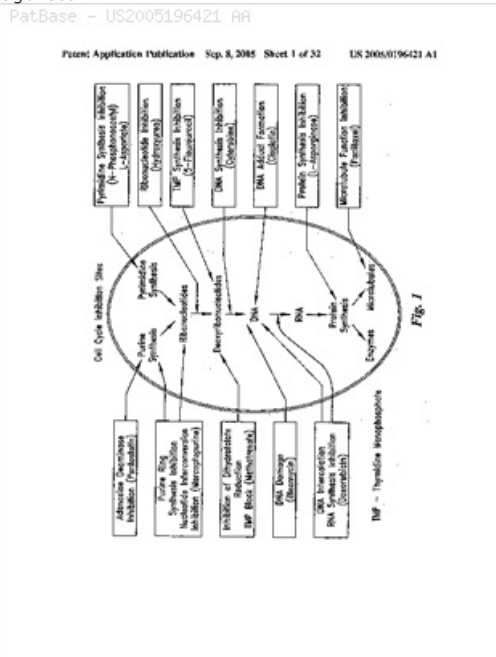
Classifications:

International (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28
A61F2/44 A61K31/337 A61K31/365 A61K31/4745 A61K31/704
A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54
A61L31/16 A61M31/00 A61N1/00 A61N1/05

International (IPC 1-7): A61F2/00 A61M31/00

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432
A61L27/54 A61L31/16 A61P31/00 A61P35/00

US: 424/423 424/423P 604/500 604/500S



Family:

Publication number	Publication date	Application number	Application date
US2005196421 AA	20050908	US20040001417	20041201

Priority:

US20030523908P	20031120	US20030525226P	20031124	US20030526541P	20031203
US20040456656P	20040428	US20040586861P	20040709	US20040611077P	20040917
US20040986231P	20041110	US20040996354	20041122	US20040001417	20041201

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

40) Family number: 45995990 (US2005187140 AA)

Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

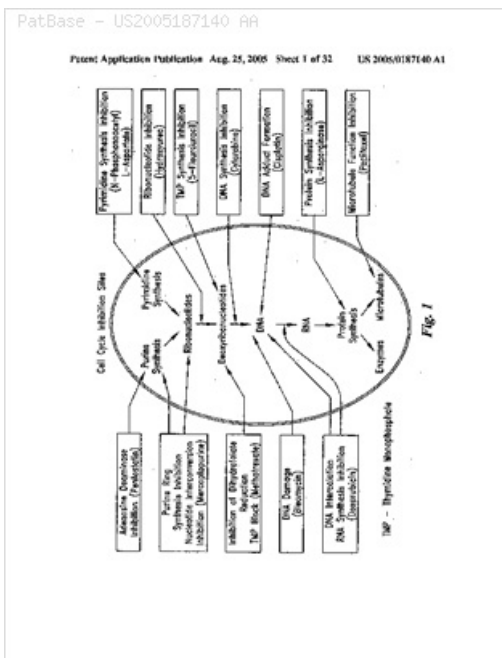
Classifications:

Classifications (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28 A61F2/44 A61K31/337 A61K31/365 A61K31/4745 A61K31/704 A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54 A61L31/16 A61M31/00 A61N1/00 A61N1/05

International (IPC 1-7): A61F2/44 A61K38/00

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432
A61L27/54 A61L31/16 A61P31/00 A61P35/00

US: 424/423 424/423P 514/1.1 514/1.100S 514/2 606/76 606/76S 623/17.11 623/17.110S 623/17.16 623/17.160S



Family:

Publication number	Publication date	Application number	Application date
US2005187140 AA	20050825	US20040000408	20041129

Priority:

US20030523908P 20031120	US20030525226P 20031124	US20030526541P 20031203
US20040566569P 20040428	US20040586861P 20040709	US20040611077P 20040917
US20040986231 20041110	US20040996354 20041122	US20040000408 20041129

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

41) Family number: 50736364 (US2012052040 AA)

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Title: POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

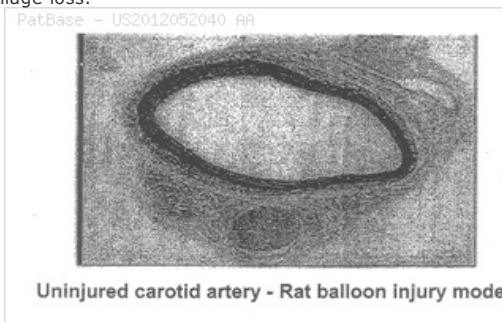
Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

Classifications:

International (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28 A61F2/44 A61K31/337 A61K31/365 A61K31/436 A61K31/4745 A61K31/513 A61K31/704 A61K31/7048 A61K31/7072 A61K31/77 A61K38/00 A61K9/14 A61L27/54 A61L31/16 A61M31/00 A61N1/00 A61N1/05 A61P31/00 A61P35/00 C07D205/12 C07D239/553 C07D498/16 C08G81/00

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432 A61L27/54 A61L31/16 A61P31/00 A61P35/00

US: 424/184.1 424/184.100S 424/78.3 424/78.300P 514/274 514/274S 514/449 514/449S 525/415 525/415S 540/456 540/456S 544/313 544/313S 548/952 548/952S



Family:

Publication number	Publication date	Application number	Application date
US2012052040 AA	20120301	US20110069258	20110322

Priority:

US20030523908P 20031120	US20030525226P 20031124	US20030526541P 20031203
US20040566569P 20040428	US20040586861P 20040709	US20040611077P 20040917
US20040986231 20041110	US20040996354 20041122	US20040001790 20041202
US20110069258 20110322		

Probable Assignee: IPXMEDICAL LLC

Assignee(s): (std): ANGIOTECH INT AG ; AVELAR RUI ; GRAVELT DAVID M ; GUAN DECHI ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M ; WANG KAIYUE

Assignee(s): ANGIOTECH INTERNATIONAL AG ; IPXMEDICAL LLC

Inventor(s): (std): AVELAR RUI ; GRAVELT DAVID M ; GUAN DECHI ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M ; WANG KAIYUE

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

International (IPC 8-9): A61B19/00 A61F2/00 A61F2/08 A61F2/28
A61F2/44 A61K31/337 A61K31/365 A61K31/4745 A61K31/704
A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54
A61L31/16 A61M31/00 A61N1/00 A61N1/05

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432

US: 424/423 424/423P



Priority:

US20030523908P	20031120	US20030525226P	20031124	US20030526541P	20031203
US20040566569P	20040428	US20040586861P	20040709	US20040986231	20041110
US20040996354	20041122				

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT : ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): AVELAR RUI ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; LOSS TROY A E ; MAITI ARPITA ; TAKACS COX ANIKO ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; LOSS TROY ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

Abstract: Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

Classifications:

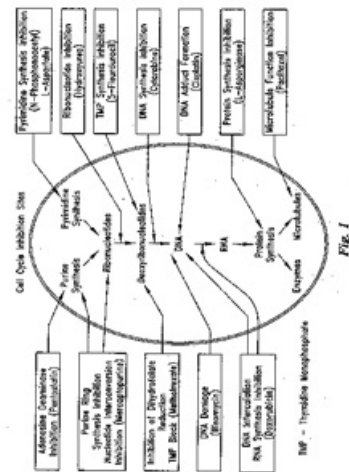
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A61F2/44 A61K31/337 A61K31/365 A61K31/4745 A61K31/704
A61K31/7048 A61K31/7072 A61K38/00 A61K9/14 A61L27/54
A61L31/16 A61M31/00 A61N1/00 A61N1/05

International (IPC 1-7): A61B19/00

CPC: A61K45/06 A61L2300/404 A61L2300/416 A61L2300/432

A61L27/54 A61L31/16 A61P31/00 A61P35/00

US: 128/898

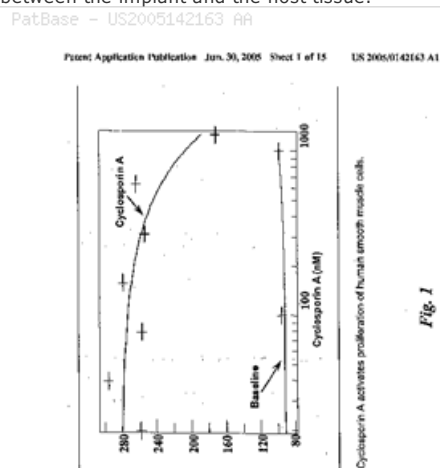


Publication number	Publication date	Application number	Application date
US2005178395 AA	20050818	US20040006900	20041207

US20030523908P	20031120	US20030525226P	20031124	US20030526541P	20031203
US20040456659P	20040428	US20040586861P	20040709	US20040611077P	20040917
US20040986231	20041110	US20040996354	20041122	US20040006900	20041207

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

US: 424/422 424/422P 424/423 424/423P 424/423S 424/424 502/450P
424/649 424/649S 424/680 424/680S 424/78.38 424/78.380P
424/85.1 424/85.100S 424/85.2 424/85.200P 424/9.5 424/9.500P
424/94.63 424/94.630P 433/217.1 433/217.100S 514/1.1
514/1.100S 514/11.3 514/11.300S 514/12 514/13.3 514/13.300S
514/154 514/154S 514/2 514/2.9 514/2.900S 514/21.92 514/23
514/23S 514/251 514/251S 514/269 514/269S 514/27 514/27S
514/283 514/283S 514/34 514/34S 514/49 514/49S 514/53 514/53S
514/55 514/55S 514/57S 514/57S 514/724 514/724S 514/8 514/8.1
514/8.100S 514/8.2 514/8.200S 514/8.4 514/8.400S 514/8.5
514/8.500S 514/8.8 514/8.800S 514/8.9 514/8.900S 514/9.1
514/9.100S 514/9.3 514/9.300S 530/353 623/16.11 623/16.110S



Publication number	Publication date	Application number	Application date
US2005169958 AA	20050804	US20040001420	20041201

US2005169959 AA	20050804	US20040001421	20041201
US2006240063 A9	20061026	US20040001421	20041201
US2005142163 AA	20050630	US20040001422	20041201
US2006240064 A9	20061026	US20040001422	20041201
US2005175657 AA	20050811	US20040004673	20041202
US2005147562 AA	20050707	US20040006886	20041207
US2005147599 AA	20050707	US20040006889	20041207
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US2005186247 AA	20050825	US20040006904	20041207
US2005191248 AA	20050901	US20040006907	20041207
US2005148512 AA	20050707	US20040986230	20041110
WO05065079 A2	20050721	WO2004US37336	20041110
WO05065079 A3	20070125	WO2004US37336	20041110

Priority:

US20030518785P 20031110	US20030523908P 20031120	US20030524023P 20031120
US20030523908P 20031123	US20040578471P 20040609	US20040586861P 20040709
US20040986230 20041110	US20040001422 20041201	US20040001420 20041201
US20040001421 20041201	US20040004673 20041202	US20040006886 20041207
US20040006889 20041207	US20040006893 20041207	US20040006902 20041207
US20040006904 20041207	US20040006907 20041207	

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG ; GRAVETT DAVID M ; GUAN DECHI ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; MAITI ARPITA ; SIGNORE PIERRE E ; TOLEIKIS PHILIP M

Assignee(s): ANGIOTECH INT ; ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): GRAVETT DAVID M ; GUAN DECHI ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; MAITI ARPITA ; SIGNORE PIERRE E ; TOLEIKIS PHILIP M

Inventor(s): GRAVETT DAVID ; HUNTER WILLIAM ; LIGGINS RICHARD ; SIGNORE PIERRE ; TOLEIKIS PHILIP

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC ; SEED IP 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 KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

45) Family number: 51756240 (IN01621KN2006 A)

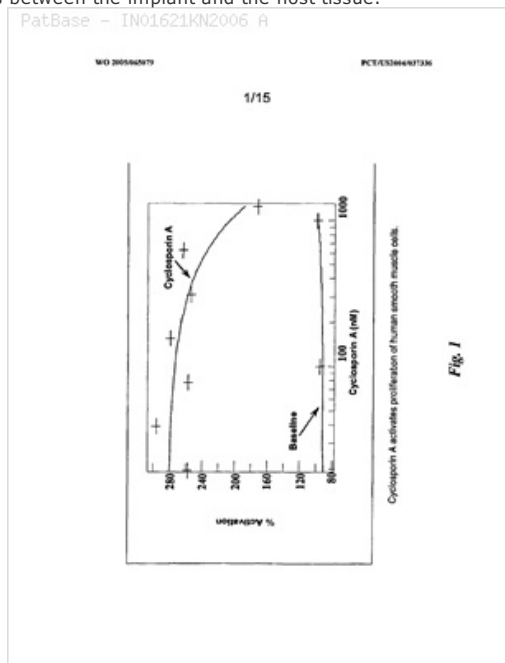
© PatBase

Title: MEDICAL IMPLANTS AND FIBROSIS-INDUCING AGENTS

Abstract: Implants are used in combination with a fibrosis-inducing agent in order to induce fibrosis that may otherwise not occur when the implant is placed within an animal or increase fibrosis between the implant and the host tissue.

Classifications:

International (IPC 1-7): A61B17/11 A61F2/02



Family:

Publication number	Publication date	Application number	Application date
IN01621KN2006 A	20070511	IN2006KN01621	20060612
IN01622KN2006 A	20070511	IN2006KN01622	20060612

Priority:

US20030518785 20031110

Probable Assignee: ANGIOTECH INT AG

Assignee(s): ANGIOTECH INT AG

Inventor(s): GRAVETT DAVID ; GUAN DECHI ; HUNTER WILLIAM ; LIGGINS RICHARD ; MAITI ARPITA ; SIGNORE

46) Family number: 34385130 (US2007208134 AA)

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Title: ANTI-SCARRING DRUG COMBINATIONS AND USE THEREOF

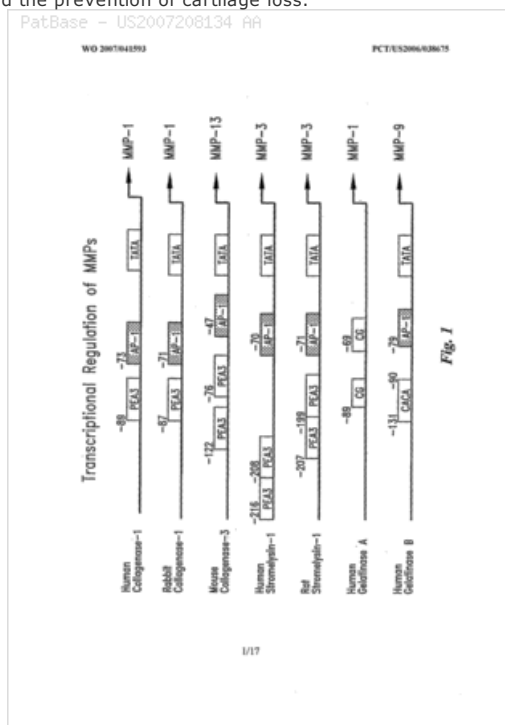
Abstract: The present invention provides devices or implants that comprise anti-scarring drug combinations, methods or making such devices or implants, and methods of inhibiting fibrosis between the devices or implants and tissue surrounding the devices or implants. The present invention also provides compositions that comprise anti-fibrotic drug combinations, and their uses in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

Classifications:

International (IPC 8-9): A61F2/02 A61F2/06 A61K31/57 A61K47/48 A61P17/00 A61P17/02

CPC: A61F2/0077 A61F2250/0067 A61F2250/0068 A61K47/6957 A61K31/553 A61K31/573 A61K9/0019 A61K9/0051 A61K9/1647 A61P17/02

US: 514/171 525/54.1 525/54.100P

**Family:**

Publication number	Publication date	Application number	Application date
US2007208134 AA	20070906	US20060542185	20061003
US2007299043 AA	20071227	US20070732808	20070404
WO07041593 A2	20070412	WO2006US38675	20061003
WO07041593 A3	20070726	WO2006US38675	20061003

Priority:

US20050723053P 20051003 US20060542185 20061003 US20070732808 20070404

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG ; AUSPITZ BENJAMIN A ; BORISY ALEXIS ; COMBINATORX INC ; GRAU DANIEL S ; GRAVETT DAVID M ; HUNTER WILLIAM L ; JOST PRICE EDWARD R ; JOST PRICE EDWARD ROYDON ; KEITH CURTIS T ; NICHOLS M J ; NICHOLS M JAMES ; SERBEDZIJA GEORGE N ; TOLEIKIS PHILIP M

Assignee(s): ANGIOTECH INTERNATIONAL AG ; COMBINATORX INCORPORATED ; NICHOLS M

Inventor(s): (std): AUSPITZ BENJAMIN A ; BORISY ALEXIS ; GRAU DANIEL S ; GRAVETT DAVID M ; HUNTER WILLIAM L ; JOST PRICE EDWARD R ; JOST PRICE EDWARD ROYDON ; KEITH CURTIS T ; NICHOLS M J ; NICHOLS M JAMES ; SERBEDZIJA GEORGE N ; TOLEIKIS PHILIP M

Inventor(s): AUSPITZ BENJAMIN ; GRAU DANIEL ; GRAVETT DAVID ; HUNTER WILLIAM ; JOST PRICE EDWARD ; KEITH CURTIS ; NICHOLS M ; SERBEDZIJA GEORGE ; TOLEIKIS PHILIP

Agent(s): CLARK AND ELBING 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 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

47) Family number: 44263418 (US2011212090 AA)

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Title: COMBINATORIAL ANALYSIS AND REPAIR

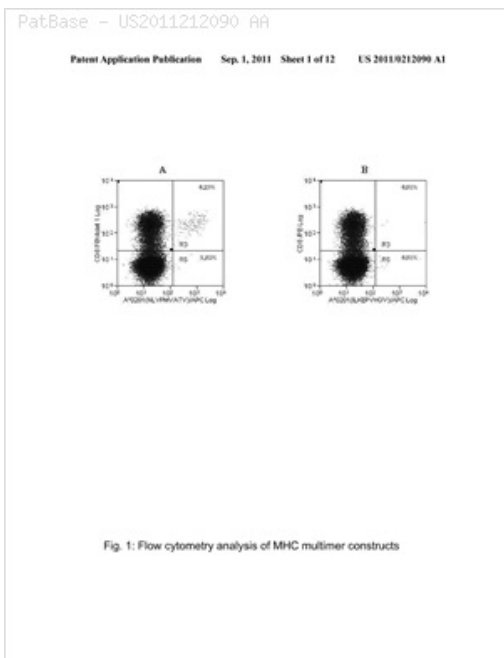
Abstract: A method for the repair of a unit, by specific diagnosis of the undesired state, and its appropriate repair, using said specific diagnosis as a means to repair in an appropriate way said unit. The diagnosis and repair processes may involve chemical, physical, or mechanical means. The units being diagnosed and repaired include live matter (e.g. human beings, animals, plants) as well as non-live matter (e.g. buildings, electronic equipment, polymer materials).

Classifications:

International (IPC 8-9): A61K31/496 A61K31/704 A61K39/00 A61K39/02 A61K39/395 A61P31/04 A61P31/06 A61P35/00 G01N33/00

CPC: A61K2039/5158 A61K2039/55505 A61K2039/55566 A61K2039/6006 A61K39/0011 A61K39/0225 A61P31/04 A61P31/06

A61P35/00 C12N2710/16122 C12N2710/16222
US: 424/133.1 424/133.100P 424/234.1 424/234.100S 424/277.1
424/277.100S 514/254.11 514/254.110S 514/34 514/34S



Family:

Publication number	Publication date	Application number	Application date
US10722562 BB	20200728	US20090055321	20090722
US2011212090 AA	20110901	US20090055321	20090722
WO10009735 A2	20100128	WO2009DK50185	20090722
WO10009735 A9	20100729	WO2009DK50185	20090722

Priority:

DK20080001035 20080723 US20080082980P 20080723 WO2009DK50185 20090722
US20090055321 20090722

Probable Assignee: AGILENT TECHNOLOGIES INC

Assignee(s): (std): AGILENT TECHNOLOGIES INC ; BRIX LISELOTTE ; CHEMGENE HOLDING APS ; DAKO DENMARK AS ;
IMMUDEX APS ; PEDERSEN HENRIK

Assignee(s): DAKO DENMARK APS ; IMMUDEX A S

Inventor(s): (std): BRIX LISELOTTE ; PEDERSEN HENRIK

Agent(s): HOEIBERG A S; VERRILL DANA LLP

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
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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

48) Family number: 33179433 (US2005143817 AA)

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Title: MEDICAL IMPLANTS AND ANTI-SCARRING AGENTS

Abstract: Implants are used in combination with an anti-scarring agent in order to inhibit scarring that may otherwise occur when the implant is placed within an animal. The agent may be any suitable anti-scarring agent, e.g., a cell cycle inhibitor, and may be used in conjunction with a second pharmaceutical agent, e.g., an antibiotic. Suitable implants include intravascular implants, a vascular graft or wrap implant, an implant for hemodialysis access, an implant that provides an anastomotic connection, ventricular assist implant, a prosthetic heart valve implant, an inferior vena cava filter implant, a peritoneal dialysis catheter implant, a central nervous system shunt, an intraocular lens, an implant for glaucoma drainage, a penile implant, an endotracheal tube, a tracheostomy tube, a gastrointestinal device, and a spinal implant.

Classifications:

International (IPC 8-9): A61B17/11 A61B17/12 A61F2/00 A61F2/02
A61F2/04 A61F2/06 A61F2/28 A61F2/44 A61K31/47 A61K38/00
A61L27/00 A61L27/54 A61L31/00 A61L31/16 A61M16/04 A61M31/00
A61N1/05 A62B9/00

International (IPC 1-7): A61F2/00 A61F2/02 A61F2/04 A61F2/06
A61F2/28 A61F2/44 A61K38/00 A61L27/00 A61L27/54 A61L31/00
A61L31/16 A61M16/04 A61M31/00 A61N1/05 A62B9/00

CPC: A61B17/11 A61B17/12022 A61B17/1219 A61F2250/0067
A61L2300/404 A61L2300/406 A61L2300/416 A61L2300/426
A61L2300/432 A61L31/16 A61N1/05

US: 128/207.14 128/207.140P 424/423 424/423P 424/423S 424/426
424/426P 514/13.3 514/13.300P 514/18.6 514/18.600S 514/2
604/500 604/500S 606/155 606/155P 607/119 607/119P 623/1.42
623/1.420P 623/1.49 623/1.490S 623/11.11 623/11.110P
623/11.110S 623/16.11 623/16.110S 623/17.16 623/17.160P
623/926 623/926S



Publication number	Publication date	Application number	Application date
AU2004291062 AA	20050602	AU20040291062	20041110
CA2536042 AA	20060215	CA20042536042	20041110
EP1682196 A2	20060726	EP20040817821	20041110
US2005149158 AA	20050707	US20040000409	20041129
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US2005191331 AA	20050901	US20040001419	20041130
US2005181008 AA	20050818	US20040001786	20041202
US2005175663 AA	20050811	US20040001791	20041202
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US2005177225 AA	20050811	US20040006895	20041207
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US2005165488 AA	20050728	US20040006912	20041207
US2005183728 AA	20050825	US20040007836	20041207
US2005181977 AA	20050818	US20040986231	20041110
US2006147492 AA	20060706	US20060343809	20060131
WO05049105 A2	20050602	WO2004US37426	20041110
WO05049105 C1	20051013	WO2004US37426	20041110
WO05046516 A2	20050526	WO2004US37930	20041110
WO05046516 A3	20060601	WO2004US37930	20041110

US20030518785P	20031110	US20030523908P	20031120	US20030524023P	20031120
US20030525226P	20031124	US20030526541P	20031203	US20040578471P	20040609
US20040586861P	20040709	WO2004US37426	20041110	US20040986231	20041110
US20040000049	20041129	US200400001418	20041130	US200400001419	20041130
US200400011791	20041202	US200400001786	20041202	US200400001792	20041202
US20040006899	20041207	US20040006912	20041207	US20040006895	20041207
US20040007836	20041207	US20060343809	20060131		

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: Compositions and methods of treating a defect in a patient are disclosed, including expanding a culture of autologous cells in vitro to form cultured cells, collecting the cultured cells for introduction into the patient, and depositing the cultured cells with ancillary proteins.

Classifications:
International (IPC 8-9): A01N A01N1/00 A61F A61F13/00 A61F2/00 A61F2/02 A61F2/10 A61K A61K35/00 A61K35/12 A61K35/14 A61K35/28 A61K35/33 A61K35/36 A61K38/00 A61K38/16 A61K38/17 A61L27/00 A61L27/38 A61P1/00 A61P1/04 A61P1/14 A61P1/18 A61P13/00 A61P17/00 A61P17/18 A61P19/00 A61P19/08 A61P19/10 A61P25/00 A61P25/16 A61P25/28 A61P29/00 A61P3/00 A61P3/10 A61P35/00 A61P43/00 A61P9/00 A61P9/10 A61P9/12 C12N C12N5/00 C12N5/071 C12N5/08
CPC: A61K35/12 A61K38/00 A61P1/04 A61P1/14 A61P1/18 A61P13/00 A61P17/00 A61P17/18 A61P19/00 A61P19/08 A61P19/10 A61P25/16 A61P25/28 A61P29/00 A61P3/10 A61P35/00 A61P43/00 A61P9/00 A61P9/10 A61P9/12 A61K35/33
US: 424/93.1 424/93.100S 424/93.7 424/93.700P 435/325 435/325S 435/366 435/366S 435/371 435/371S 514/13.2 514/13.200S 514/15.4 514/15.400S 514/16.4 514/16.400S 514/16.7 514/16.700S 514/16.9 514/16.900S 514/17.8 514/17.800S 514/18.6 514/18.600S 514/19.3 514/19.300S 514/20.7 514/20.700S 514/20.8 514/20.800S 514/21.2 514/21.200S

Family:

Publication number	Publication date	Application number	Application date
AU2006292203 AA	20070329	AU20060292203	20060921
CA2663412 AA	20090312	CA20062663412	20060914
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EP1940424 A2	20080709	EP20060814588	20060914
EP1940424 A4	20110420	EP20060814588	20060914
HK1122986 A1	20090605	HK20090100059	20090105
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US2007128174 AA	20070607	US20060526202	20060921
US2011081323 AA	20110407	US20100924052	20100920
WO07035363 A2	20070329	WO2006US35676	20060914
WO07035363 A3	20090409	WO2006US35676	20060914
WO07035843 A2	20070329	WO2006US36750	20060921
WO07035843 A3	20070705	WO2006US36750	20060921

Priority:

US20050229237 20050916 US20050719743P 20050921 WO2006US35676 20060914
WO2006US36750 20060921 US20060526202 20060921 US20100924052 20100920

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Inventor(s): ADRIANA SOTO ; DONALD A KLEINSEK ; KLEINSEK DONALD ; KLEINSEK DONALD AUS ; SOTO ADRIANAUS

Agent(s): ADE AND CO INC; CHINA PATENT AGENT HK LTD; DARDI AND ASSOCIATES PLLC; DREW AND NAPIER LLC; GRIFFITH HACK; MEYERS HANS WILHELM; MEYERS HANS WILHELM ET AL; PATTERSON THUENTE SKAAR AND CHRISTENSEN PA; SMART AND BIGGAR

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 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

50) Family number: 33698043 (US2009280153 AA) © PatBase

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:

International (IPC 8-9): A61F2/00 A61F2/02 A61K31/335 A61K31/66 A61K31/665 A61M25/16 A61M31/00 A61N1/00 C07D471/00 C07D471/14

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

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:

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

Probable Assignee: ANGIOTECH INT AG

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

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

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

Inventor(s): 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

51) Family number: 46399451 (WO05046746 A2)

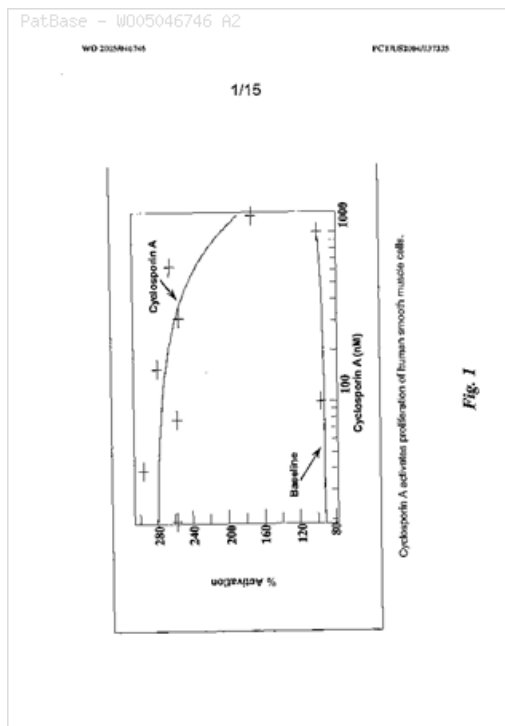
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Title: MEDICAL IMPLANTS AND FIBROSIS-INDUCING AGENTS

Abstract: Implants are used in combination with a fibrosis-inducing agent in order to induce fibrosis that may otherwise not occur when the implant is placed within an animal or increase fibrosis between the implant and the host tissue.

Classifications:

International (IPC 8-9): A61B17/03 A61B17/11 A61B17/12 A61B17/58 A61B17/68 A61C5/00 A61C8/00 A61F13/00 A61F2/00 A61F2/02 A61F2/04 A61F2/06 A61F2/08 A61F2/28 A61F2/30 A61F2/32 A61F2/38 A61F2/40 A61F2/42 A61F2/44 A61F2/50 A61F2/54 A61F2/60 A61K31/045 A61K31/4738 A61K31/4745 A61K31/506 A61K31/513 A61K31/517 A61K31/519 A61K31/525 A61K31/65 A61K31/70 A61K31/7012 A61K31/7028 A61K31/704 A61K31/7042 A61K31/7048 A61K31/7072 A61K31/74 A61K31/765 A61K33/14 A61K33/24 A61K35/56 A61K35/64 A61K38/00 A61K38/17 A61K38/18 A61K38/19 A61K38/20 A61K38/22 A61K38/24 A61K38/27 A61K38/39 A61K38/43 A61K38/48 A61K45/00 A61K49/00 A61L A61L27/00 A61L27/54 A61L31/00 A61L31/14 A61L31/16 A61N1/05 A61P19/00 A61P43/00 A61P9/00
International (IPC 1-7): A61L27/00 A61L27/54 A61L31/00 A61L31/16
CPC: A61B17/11 A61B17/12022 A61B17/12099 A61B17/12109 A61B17/1214 A61B17/12168 A61B17/12186 A61B17/1219 A61B17/68 A61F2250/0067 A61K38/363 A61K38/38 A61K38/39 A61K38/4833 A61K45/06 A61L2300/00 A61L2300/412 A61L2430/38 A61L27/54 A61L31/16 A61P1/00 A61P19/00 A61P43/00 A61P9/00



Family:

Publication number	Publication date	Application number	Application date
AU2004289287 AA	20050526	AU20040289287	20041110
CA2536041 AA	20060215	CA20042536041	20041110
EP1691852 A2	20060823	EP20040818667	20041110
HK1094776 A1	20070413	HK20070100955	20070126
HK1094776 A3	20070413	HK20070100955	20070126
IL174637 A0	20060820	IL20040174637	20041110
JP2007513083 T2	20070524	JP20060539742T	20041110
WO05046746 A2	20050526	WO2004US37335	20041110

Priority:

US20030518785P 20031110 US20030523908P 20031120 US20030524023P 20031120
 US20040578471P 20040609 US20040586861P 20040709 WO2004US37335 20041110

Probable Assignee: ANGIOTECH INT AG

Assignee(s): (std): ANGIOTECH INT AG ; GRAVETT DAVID M ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; MAITI ARPITA ;
 SIGNORE PIERRE E ; TOLEIKIS PHILIP M

Assignee(s): ANGIOTECH INTERNATIONAL AG ; GUAN DECHI

Inventor(s): (std): GRAVETT DAVID M ; GUAN DECHI ; HUNTER WILLIAM L ; LIGGINS RICHARD T ; MAITI ARPITA ;
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Inventor(s): ARPITA MAITI ; DAVID M GRAVETT ; PHILIP M TOLEIKIS ; PIERRE E SIGNORE ; RICHARD T LIGGINS ;
 WILLIAM L HUNTER

Agent(s): BARRIGAR INTELLECTUAL PROPERTY LAW ; DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY
 LTD ; LOVELLS

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
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 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

52) Family number: 77625471 (DE102018116174 A1)

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Title: Device INSB. For WORKPLACE (Machine translation)

Abstract: Source: DE102018116174 A1 **Machine translation:** Device, cost, and/or save time, and/or a user or a user with the additional capabilities, additional tasks and/or tasks may satisfy or better long-lasting and/or tasks with more comfort and/or simple. The device may in particular be of multi-part form. Parts may include, in particular, the method of the invention set forth extra techniques, such as they are used. Depending on requirements, or depending on the wish of the user or of the user device, e.g., for more power, comfort or discomfort or pain to the desired avoidance, etc.). Abkuerzend is also the word user, etc. for the user or the user, etc...In addition to the present submission is one of them independent second with devices to a supplemental topic in preparation, as a result, present proposals can be made shorter. Part of the present inventive apparatus is a seat support, e.g. for an office chair. For example, many long sitting on office chairs, which in many various triggers pain disorders in the long run. For example, longer unkomfortabler, office chairs in known people on unfavorable, diseases Enhancing position. The seat support with variable height may be a comfortable seat height according to the current request. In the enclosed sketch symbolizes 1 user and/or patient optionally without or with seating, wherein on a seating in particular e.g. a device is placed on an execution in particular as U-shaped, may be placed freely and part of the seat device may in particular be adjustable, in particular, the height of the U-shape may be adjustable, in the case of a human being, the auflegbarer device, the portable device may also carry, for example in a motor vehicle and elsewhere as a seat pad, or in the car and generally to seats may also be attached to such a device. In motor vehicle seats are often so soft that soft parts can be clamped to a particularly great extent without seat support, and many driving regularly longer times. Specific embodiments is a into the seat support integrated RFID (radio capable computer, which may include, for example, by means of a mobile phone app on request warning, when removed, or by means of, for example, satellite based sensed position -e.g. via GPS, the app when desired to the approximate location of the object, where the app store and communicate via radio registered that varies from the device, for example the seat cushion removed, or remote. This can be effected, for

example, for dementia patients, employees, etc. may be beneficial to device(s). In general, devices with appropriate artificial intelligence (KL) software, if user desires. There are variable embodiments of the seat pad device, may be in a surrounding material U-shaped micro-beads held, optionally, with engines or pumps, etc. and/or in conjunction with the seating an externally remotely controllable adaptation in particular the form, such as, for example, the height, and a matching can optionally be programd, for example, in a computer application, stored on a computer, e.g., a cellular telephone, an electronic computer bracelet watch, etc., may be implemented, which may be coupled, for example, to an electronic calendar, so that modifications and changes may be made in particular e.g. via WLAN, Bluetooth, etc.). For example, a chair is lower than the other, however, it is sometimes needed, so both can be created by means of the variation of the height of the support device compensation for height differences and on request for instantaneous altitude, e.g. if you wish to change time its footwear or variable heights. Shoe Alternatively, the U-shaped device, in particular, for example, made of an elastic material, for example with fabric cover, inflatable, such that various inflation levels may be implemented. Inflation strength may be used in the apparatus also optionally electronically, for example, by means of small pumps and motors, for example, recessed control, e.g. in the U-shaped portion is an opening or openings substantially recessed inflator device more outer present, from the air by means of the pumping apparatus in and out of the U-shaped device may be allowed to, for example, for the variation of the height, in particular above a height, such that the pumping apparatus is perceived not in practice while sitting inside, in addition, the pumping apparatus located inside themselves with a so-soft material that even without the sitting on the inducted air then continues to be uniformly U-shaped device is possible, practically without the internal pumping device while sitting. This inflator, as described above for the non-inflatable version - also remotely programd, etc. may be performed. Programming may be, for example, in language may be done by voice recognition software, etc.). If the device is not here, and desires may, e.g., be something with them, two gloves, a piece of clothing or clothing or blanket or mat, for example, to the right and to the left under the buttocks or U-shaped, and may be used in particular in the upper parts of the thigh can be placed, however, the slipping, the extra U-shaped device has the advantage that the distance of its parts, hardly changed while sitting experience. The inflatable device has the advantage that it is not inflated so that they can occupy small space may take virtually anywhere, also referred to as a pedestrian. Optionally, for example, U-shaped, for example, pumps with small integrated inflatable seat cushion instead of separate sub-device in another part device, which is one type of clothing, e.g., a pair of trousers, as described further below, may be integrated. Optional pumping apparatus, in accordance with less execution system, it may be integrated battery, which may include, for example, externally via devices with electromagnetic radiation, and/or may be recharged with an integrated energy source, e.g., solar cell coating, the use of kinetic energy, since it is not always when sitting still, and from this movement with devices and energy can be stored and provided in the battery obtained, and, if necessary, the device without current by hand. In the seating, a power supply may also be integrated, which - as described - in turn may be powered, for example by means of cables or, for example, by means of energy harvesting at a swivel chair at rotational movement of the chair, On- or off- or other adjustment possibilities of the chair, in the event of movement of a chair, for example from the rotations of rollers, on which the legs of the chair to the ground up, with the energy, not only can the U-shaped device be powered but also, by way of example, a massage of the back, upon request, or the swivel chair, the energy can be adjusted as desired or remotely controlled. Means coupled may be approximately as a substitute, e.g., a neck cushion device is seated on the seat. Instead of U-shaped device may have a varied form, for example in the form of a straight shape, which may be used only under the buttocks. The device on the seat may be too tight storage or pinches in particular of soft parts prevent further, many seats for large passenger seats may be so low, adversely increased. The inflatable seat support device causes more balancing motions in completing tasks in the seats, particularly muscular fitness, non-inflatable version may be relaxed, relaxing seats allow it may primarily be applied. The U-shape of the seat support device can allow you can sit relaxed times further to the rear of the buttocks - relaxed, reclining - time forward, wherein the two buttocks jaws only on the front part, the parallel portions of the U-shape, are located in the back sometimes ajar and - as far as pleasant, in particular not at a back door ajar, thereby back lots may be trained, for example, U-shaped etc...the seat support device, in a further embodiment a bicycle seat. There are bicycle saddles, from separate shells for the two saturated steep, which has the advantage over common-fifths with central part, that there is no pressure in the middle region, conceivable squeezing of soft tissue can be prevented. Disadvantage of a saddle with two separate shells for the two saturated steep is that the advantage of a front middle portion, namely that it is not possible to easily from the saddle slipping, because the center part this i.allg. is prevented. Inventive saddle is characterized in that it has two separate shells for the two buttocks flanges that no central portion, for example, conceivable soft parts may not be crushed, but with the addition of further forward a central part (the bottom is connected later to the saddle and/or further below) is connected to the wheel, and this additional central part further from may prevent that could easily from the saddle slipping. A further embodiment is that instead of two shells, a U-shaped saddle shape similar to that of the inventive U-shaped seat support is present. Part of the device, for example, at nighttime soft wadenkraempfen comprising preferably device, e.g., a fabric, e.g. approximately 50cm long, about 15cm wide and about 3cm high, e.g. for work and/or to relax while standing or sitting under the front parts of the feet or shoes. When daily, especially in the evening, some minutes the feet in this expanded position, this may be in particular in the case of patients experience severe enough to prevent painful nighttime Wadenkraempfen. This can be followed by one and/or the feet to sit in, e.g., as long as it is healthy, while for work completed, i.e. it saves time. Alternatively, an oblique to the toes toward rising increase in one embodiment of the invention. Footwear, or under a common fixed footwear, which is a few minutes, in particular, prior to go to bed, preferably may be a variable shape, it may be higher than at the rear alternatingly toes, or at a higher than on the other side, this can be controlled by means of engine-integrated mini computer or via Wi-fi via program or via Kraempfen App may be controlled, for example, to the side of lower legs, etc...All devices of the invention may experience according to prevent users on sale, for example with personally relaxing image motifs or, for example, a heart in heart region disorders in the inventive soft devices, resulting, for example, dementia patients, for which purpose they can be used to remember, or, e.g., according to Choice of users, in some cases with lettering, e.g. name of the user, or "re-lax", "expands", "Sport-Ierin" or "athletes", etc., in particular terms, which are explained in the description of the NutzerIn. Patient, inventive footwear - a kind of footwear, optionally with locally variable height, resulting, for example, at nighttime wadenkraempfen by tags, in particular in the evening some minutes adjusted increase from under the toes may cause no wadenkraempfe automatically according to experience more lateral kraempfe occur at the lower part of the leg likewise no longer laterally, e.g. by increasing the device under the sole has an actuator system and fixing screws, having e.g. a bottom surface located on the bottom of this shoe plant including variable straight and angled in different directions, the invention may secure footwear is above the sole, on The foot rests of a front fixed part, which like at fixed footwear, e.g., someone else on the toe protects the toe, which in particular for example in the case of toe nails could lead to diseases (growth of nails, inflammations, etc.), and for remaining portion preferably as at Sandals open air at the feet, for example in the case of faster healing disorders and weld toes accumulation, humidity, for example, which in turn may prevent infections be prevented to toe, etc.).

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A61H2201/164 A61H2201/5038 A61H2201/5058 A61H2201/5097

A61H2203/0431 A61H2205/081 A61H2205/10 A61H2230/30

A61H23/00 A61H9/00 A61J2205/60 A61K9/00 A61P25/28 A61P9/00

G16H40/63

Anhängende Zeichnungen

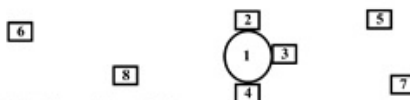


Abbildung 1 Skizze zur Vorrichtung der Erfindung.

Legende:

Abkürzend wird manchmal „Nutzerin“ etc. geschrieben, was die Nutzerin bzw. den Nutzer der Vorrichtung bezeichnet.

1 Nutzerin und bzw. oder Patientin wahlweise ohne bzw. mit Stützgeräten. Ein Teil der Vorrichtung ist vorzugsweise auf einer Stützgeräten platziert ist, die Vorrichtung vorzugsweise U-förmig.

Weitere vorzugsweise Teile der Vorrichtung:

2 Funk-Umkleidekabine mit integriertem kleinen Computer und bzw. oder Handy

3 und bzw. oder z.B. intelligente Funk-Kleidung

4 und bzw. oder Funk-Computer, z.B. WLAN

5 und bzw. oder z.B. elektromagnetische Verbindung (Kabel, Funk, WLAN etc.) mit weiteren Räumen, z.B. Raum bzw. Räume.

6 und bzw. oder Funk-Computer -z.B. ebenfalls Handy App- bei Fachpersonen, z.B. Hausärztin, optional verbunden mit einer App, welche Nutzerin mäßigst -bzw. in via Internet verbundenen Speichern bereit stehen-.

7 und bzw. oder Funk-Computer, z.B. Daten eines Krankenhauses speichernd, z.B. mit teil-intelligenter Software, welche insb. medizinische und bzw. oder sonstige Daten sammelt, speichert.

8 sowie erfindungsgemäßer Schreibstift, z.B. mit Display, Tastatur, Maus etc., der z.B. höhenverstellbar ist, z.B. elektronisch motorisiert.

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