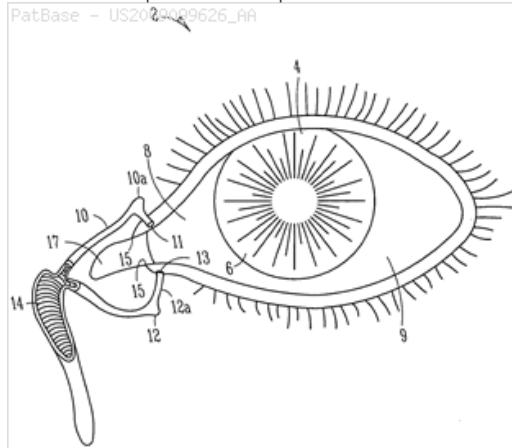


Title: LACRIMAL IMPLANT DETECTION

Abstract: This document discusses, among other things, an apparatus comprising a lacrimal implant insertable at least partially into a lacrimal punctum. The lacrimal implant comprises an implant core, and an implant body. The implant body includes a cavity sized and shaped to receive the implant core. At least one of the implant core and the implant cavity includes a detection device configured to allow automatic detection of the lacrimal implant with a separate detector device.

Classifications:

International (AFC 8-9): A61B17/28 A61B17/50 A61B5/06 A61B8/00 A61F A61F2/00 A61F2/02 A61F2/14 A61F9/00 A61F9/007 A61K A61K31/335 A61K31/5377 A61K31/5575 A61K31/573 A61K31/728 A61K38/00 A61K45/00 A61K47/02 A61K47/30 A61K47/32 A61K47/34 A61K47/38 A61K47/42 A61K9/00 A61K9/02 A61K9/06 A61K9/14 A61K9/20 A61K9/22 A61K9/24 A61K9/52 A61L A61L27/52 A61L27/54 A61L31/02 A61L31/04 A61L31/06 A61L31/14 A61L31/16 A61M A61M13/00 A61M29/00 A61M29/02 A61M31/00 A61M35/00 A61M37/00 A61M5/00 A61M5/14 A61N1/00 A61P25/04 A61P27/02 A61P27/06 A61P29/00 A61P31/00 A61P31/04 A61P31/10 A61P37/08 A61P43/00 B23B5/16 B23C3/12 B23C5/02 B23K11/30 B28B11/12 G01N21/84 G01R33/02 G01R33/07 G01V3/08 G01V8/12 G06K19/07 (Advanced/Invention); A61B3/10 A61B5/00 A61B8/00 A61B8/08 A61F2/02 A61F9/00 A61F9/007 A61K9/00 A61K9/20 A61K9/22 A61L27/54 A61L31/16 A61M29/00 A61M29/02 A61M37/00 A61M5/14 A61P27/06 G01V3/12 G06K19/07 (Advanced/Non-invention); A61B17/28 A61B8/00 A61F2/02 A61F9/00 A61F9/007 A61K9/00 A61K9/14 A61K9/20 A61K9/22 A61L27/00 A61M29/00 A61M29/02 A61M37/00 A61M5/14 A61N1/00 A61P27/00 G06K19/07 (Core/Invention); A61F9/00 A61K9/02 (Core/Non-invention); A61F A61K A61L A61M (Subclass/Invention)



International (IPC 1-7): A61F9/007 A61K9/00

CPC: A61K31/5575 A61K9/0051 A61L2300/41 A61L2300/602 A61L2300/802 A61B5/0031 A61B5/06 A61B5/411 A61B8/0833 A61B2562/08 G01R33/0213 G01R33/072 B23B5/166 B23K11/3063 Y10T407/1952 Y10T407/1964 A61K9/20 A61F2/02 A61K9/2036 A61M5/14 A61L31/043 A61L31/06 A61L31/044 A61L31/16 A61L31/145 A61F2250/0068 A61F2250/0096 A61L2300/43 A61L2300/404 A61B2090/036 A61B17/3468 Y10T407/19 Y10T409/304256 A61F2210/0061 A61F2220/0008 A61F2250/0067 A61F9/00772 A61L27/54 A61K47/34 A61F2230/0069 A61F9/0017 Y02A50/395

European: A61B17/34J A61B5/06 A61B5/41B A61F9/007T A61F9/00B2 A61K9/00M16B A61L27/54 G01R33/02E G01R33/07A K61B19/30F4 K61B5/00B9 K61B562/08 K61B8/08H K61F9/007T K61F9/00B2 K61L300/410 K61L300/602 K61L300/802

US: 1/1 128/887 264/157 264/157P 407/30 407/30P 409/140 409/140S 424/423 424/423P 424/427 424/427P 514/530 600/431 604/104 604/171 604/246 604/294 604/500 604/500S 604/514 604/521 604/59 604/59S 604/8 604/891.1 604/9 604/93.01 606/205 606/205S 606/206 606/206P 607/60 607/60P 623/11.11 623/11.110S 623/23.67

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Family:

Publication number	Publication date	Application number	Application date
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US20170707386	20170918				

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Designated states:

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2) Family number: 43652004 (US2009214652A)

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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 8-9): A61B5/00 A61F13/00 A61F2/00 A61F2/02 A61F2/12 A61F2/28 A61K31/337 A61K38/17 A61K9/10 A61K9/22 A61L27/00 A61L27/54 A61L31/00 A61L31/16 A61M31/00 A61N1/00 A61N1/05 A61N1/18 A61N1/36 A61N1/372

A61N1/375 (Advanced/Invention)

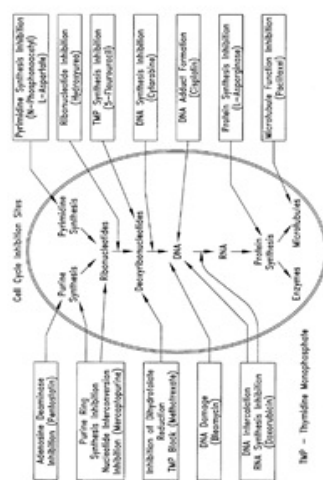
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European: K61L300/404 K61L300/416 K61L300/432 K61L300/450

US: 424/484 424/484S 424/486 424/486P 514/449 514/449S

PatBase - US2009214652_AA

Patent Application Publication Aug. 27, 2009 Sheet 1 of 32 US 2009/0214652 A1



Family:

Publication number	Publication date	Application number	Application date
US2009214652 AA	20090827	US20090425316	20090416

Priority:

US20030523908P 20031120	US20030524023P 20031120	US20030525226P 20031124
US20030526541P 20031203	US20040578471P 20040609	US20040586861P 20040709
US20040986231 20041110	US20040986230 20041110	US20040996353 20041122
US20090425316 20090416		

Probable Assignee: ANGIOTECH INT AG

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

Assignee(s): ANGIOTECH INTERNATIONAL AG

Inventor(s): (std): GRAVETT DAVID M ; HUNTER WILLIAM L ; MAITI ARPITA ; TOLEIKIS PHILIP M

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

Title: DEVICE THAT CAN BE IMPLANTED IN A MINIMALLY INVASIVE MANNER AND MITRAL VALVE IMPLANT SYSTEM

Abstract: The invention relates generally to the field of heart surgery. In the field of surgery, instruments are used to examine the interior of living organisms and/or for the purpose of surgical intervention. These also include **implants** for producing the functional capability of a heart. The invention relates to such an implantable device and to a method for eliminating regurgitation in the region of the heart. The implantable device is an annuloplasty ring having a plurality of tissue anchors. An unfolded annuloplasty ring is positioned in the cavity of a body element in order to constrict a body opening. Previously, every tissue anchor of the annuloplasty ring is introduced into a precise position on the edge of the mitral valve annulus intravascularly, by means of the minimally invasive technique. The arcuate or annular configured annuloplasty ring is placed onto the thus anchored fasteners and fastened in order to influence the septal and lateral annulus of the mitral valve in size and shape and to close the gap between the anterior and posterior leaflets in the valve.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/06

A61F2/24 (Advanced/Invention)

CPC: A61F2/2445 A61F2/2466 A61B17/0643 A61B2017/0649

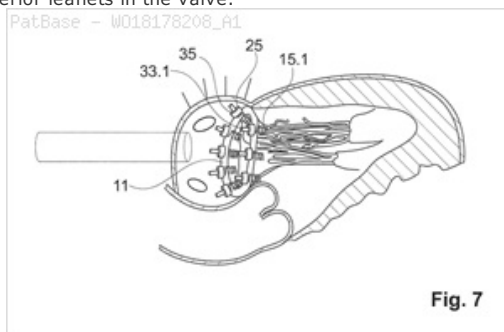


Fig. 7

Family:

Publication number	Publication date	Application number	Application date
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WO18178208 A1	20181004	WO2018EP58026	20180328

Priority:

DE201710002976 20170328

Probable Assignee: IMMANUEL DIAKONIE GMBH

Assignee(s): (std): IMMANUEL DIAKONIE GMBH

Inventor(s): (std): ALBES JOHANNES ; ALBES JOHANNES MAXIMILIAN

Agent(s): BOEHMERT AND BOEHMERT

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

4) Family number: 67435017 (US2017319320A)

Title: METHOD AND APPARATUS FOR DEPLOYING AND RETRIEVING OBJECTS IN A CAVITY

Abstract: The present invention relates generally to a method and apparatus for deploying and/or retrieving an object (e.g., a vena cava filter) in a cavity (e.g., a vena cava) using a system configured to: (i) maintain grip of the unsheathed object in the cavity until deliberately released, (ii) prevent premature release of the object in the cavity, and/or (iii) facilitate retrieval by first everting said object, then withdrawing the object through a guiding catheter (e.g., retrieval via eversion).

Classifications:

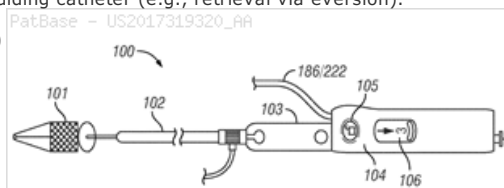
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A61M29/00 (Advanced/Invention)

CPC: A61F2/01 A61M25/1006 A61F2002/011 A61M29/00

A61M25/10187 A61M25/1002 A61F2002/016 A61F2230/0006

A61F2230/0023 A61F2230/0067



Family:

Publication number	Publication date	Application number	Application date
AU2017259981 AA	20171109	AU20170259981	20170503
CA3022517 AA	20181026	CA20173022517	20170503
US2017319320 AA	20171109	US20170586210	20170503
US2017319322 AA	20171109	US20170592043	20170510
US2018104042 AA	20180419	US20170847115	20171219
US9895215 BB	20180220	US20170592043	20170510
WO17192777 A1	20171109	WO2017US30924	20170503

Priority:

US20160331291P 20160503

US20170586210 20170503

WO2017US30924 20170503

US20170592043 20170510

US20170847115 20171219

Probable Assignee: ADIENT MEDICAL INC

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

Assignee(s): DURACK JEREMY ; EGGERS MITCHELL ; FRANKLIN DAVID ; STEELE JOSEPH ; KIRK RAYMOND ; HOGAN MICHAEL

Inventor(s): (std): DURACK JEREMY ; EGGERS MITCHELL ; FRANKLIN DAVID ; HOGAN MICHAEL ; KIRK RAYMOND ; STEELE JOSEPH

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; MBM INTELLECTUAL PROPERTY LAW LLP ; PILLSBURY WINTHROP SHAW PITTMAN LLP ; SHERIFF JEFFREY

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

5) Family number: 31830023 (US2003161816A)

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Title: SYSTEMS AND METHODS FOR TREATING PATIENTS WITH PROCESSED LIPOASPIRATE CELLS

Abstract: Cells present in processed lipoaspirate tissue are used to treat patients. Methods of treating patients include processing adipose tissue to deliver a concentrated amount of stem cells obtained from the adipose tissue to a patient. The methods may be practiced in a closed system so that the stem cells are not exposed to an external environment prior to being administered to a patient. Compositions that are administered to a patient include a mixture of adipose tissue and stem cells so that the composition has a higher concentration of stem cells than when the adipose tissue was removed from the patient.

Classifications:

International (IPC 8-9): A01N A01N63/00 A61B17/00 A61F2/00 A61F2/06 A61F2/44 A61F2/82 A61K A61K31/43 A61K31/436 A61K35/00 A61K35/02 A61K35/12 A61K35/22 A61K35/28 A61K35/32 A61K35/34 A61K35/35 A61K35/36 A61K35/44 A61K38/00 A61K38/16 A61K38/18 A61K38/20 A61K45/00 A61K45/06 A61K48/00 A61K8/98 A61K9/00 A61K9/70 A61L15/40 A61L15/44 A61L27/00 A61L27/18 A61L27/36 A61L27/38 A61L27/52 A61L27/54 A61L27/56 A61L31/00 A61M A61M1/00 A61M1/36 A61P A61P1/00 A61P1/04 A61P1/16 A61P11/00 A61P13/00 A61P13/12 A61P17/00 A61P17/02 A61P19/00 A61P19/02 A61P19/04 A61P19/08 A61P19/10 A61P21/00 A61P25/00 A61P25/02 A61P27/02 A61P29/00 A61P3/00 A61P3/06 A61P3/10 A61P37/06 A61P43/00 A61P9/00 A61P9/02 A61P9/04 A61P9/10 A61P9/14 C12M1/00 C12M1/12 C12M1/26 C12M3/00 C12M3/06 C12M3/08 C12N C12N5/00 C12N5/06 C12N5/07 C12N5/071 C12N5/074 C12N5/077 C12N5/0775 C12N5/0789 C12N5/08 C12N5/22 G06F19/00 G06Q30/00 G06Q30/04 G06Q50/00 G06Q50/22 (Advanced/Invention); A01N63/00 A61B10/02 A61K35/12 A61K35/32 A61K35/36 A61K45/00 A61K48/00 A61K9/00 A61P19/10 A61P25/02 A61P43/00 C12M1/00 C12M3/00 C12M3/08 C12N5/00 C12N5/074 C12N5/077 C12N5/0775 (Advanced/Non-invention); A01N63/00 A61K31/43 A61K35/00 A61K35/12 A61K35/28 A61K35/32 A61K35/36 A61K45/00 A61K48/00 A61L27/00 A61L31/00 A61P13/00 A61P19/00 A61P37/00 A61P43/00 C12M1/00 C12M1/26 C12M3/00 C12N5/00 C12N5/06 C12N5/077 C12N5/0775 C12N5/08 C12N5/22 (Core/Invention); A61K A61M C12N (Subclass/Invention)

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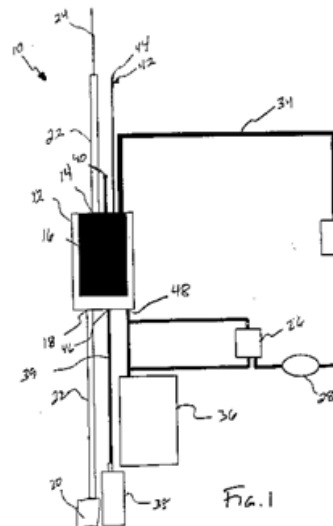
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PatBase - US2003161816_AA

Patent Application Publication Aug. 28, 2003 Sheet 1 of 7 US 2003/0161816 A1



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Family:

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AU2002357135 BB	20080814	AU20020357135	20021209
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CN1630526 B	20100505	CN20028027968	20021209
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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
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Title: APPARATUS AND METHOD FOR SECURING TISSUE

Abstract: An apparatus and method is disclosed for securing tissue to a bone comprising a novel screw anchor for **insertion** into a bone by a novel rotational driver. The screw anchor and rotation driver enables the screw to be completely embedded into the bone while permitting a suture to be threaded through a transverse aperture in the screw. The rotation driver facilitates **insertion** and engagement of a capture with one of a series of protuberance formed along a length of a suture. In addition, the method is disclosed of forming the series of protuberance.

Classifications:

International (IPC 8-9): A61B A61B17/04 A61B17/06 A61B17/56 A61B17/58 A61B17/60 A61B17/88 A61F2/00 A61F2/02

A61F2/08 (Advanced/Invention);

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

A61B (Subclass/Invention)

CPC: A61B17/8888 A61F2/0811 A61B2017/00526 A61B2017/0404

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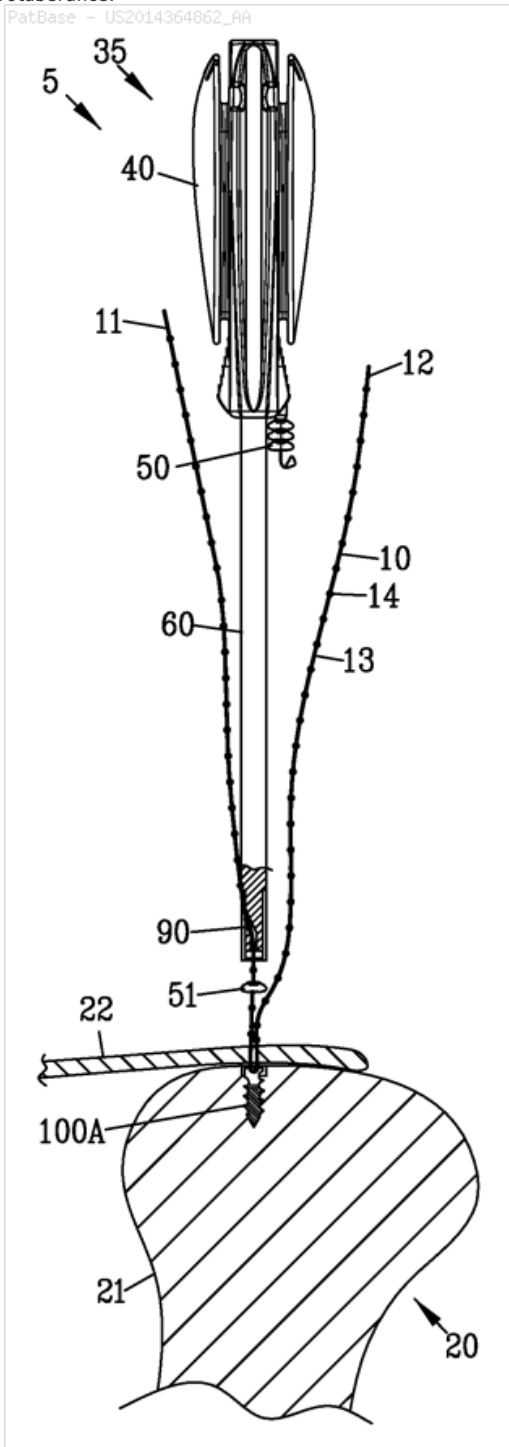
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JP F-Term: 4C097 4C097/AA01 4C097/BB04 4C097/BB09

4C097/CC05 4C097/MM09 4C160 4C160/LL27 4C160/LL28

4C160/LL29 4C160/LL30 4C160/LL70

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Priority:

US20130778350P 20130312 US20140203846 20140311 WO2014US22973 20140311
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Probable Assignee: ZIPTEK LLC

Assignee(s): (std): ZIPTEK LLC

Assignee(s): BENNETT WILLIAM F ; GALAZ MENDEZ RAMSES ; GOMEZ ROMO DANIEL FRANCISCO

Inventor(s): (std): MENDEX RAMSES GALAZ ; ROMO DANIEL FRANCISCO GOMEZ ; MENDEZ RAMSES GALAZ ; GOMEZ ROMO DANIEL FRANCISCO ; GALAZ MENDEZ RAMSES ; BENNETT WILLIAM F

Inventor(s): DANIEL FRANCISCO GOMEZ ROMO ; WILLIAM F BENNETT ; RAMSES GALAZ MENDEZ

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; LESPERANCE AND MARTINEAU SENC; VON ROHR PATENTANWALTE PARTNERSCHAFT MBB; FRIJOUF RUST AND PYLE PA; FRIJOUF ROBERT F 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

7) Family number: 33805032 (US2006265049A)

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Title: STENT AND MR IMAGING PROCESS AND DEVICE

Abstract: A passive resonant circuit is disposed on an implanted stent. The materials, geometry and electrical parameters of the stent with passive resonant circuit are chosen and arranged so that incident electromagnetic radiation induces currents in the passive resonant circuit that optimize imageability during MR scanning.

Classifications:

International (IPC 8-9): A61B17/00 A61B5/055

A61F2/88 (Advanced/Invention);

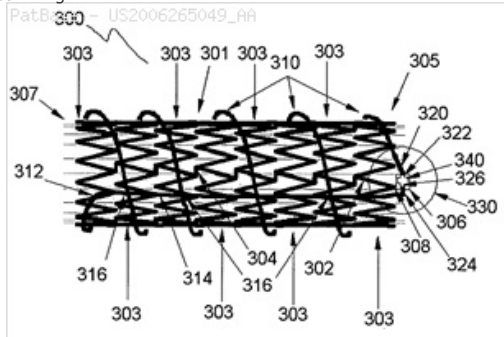
A61B17/00 A61B5/055 A61F2/82 (Core/Invention)

CPC: A61F2210/0076 A61F2230/0054 A61F2/915 A61F2/91

A61F2002/91533 A61F2002/91558

European: A61F2/91 A61F2/915 K61F2/915F K61F2/915G2

US: 600/420 600/420S 623/1.16 623/1.160P 623/1.44 623/1.440S



Family:

Publication number	Publication date	Application number	Application date
US2006265049 AA	20061123	US20050132676	20050519
WO06125189 A2	20061123	WO2006US19593	20060519
WO06125189 A3	20070315	WO2006US19593	20060519

Priority:

US20050132676 20050519

Probable Assignee: BIOPHAN TECHNOLOGIES INC

Assignee(s): (std): BIOPHAN TECHNOLOGIES INC ; GRAY ROBERT W ; GREENWALD HOWARD J ; NANOSSET LLC

Inventor(s): (std): GRAY ROBERT W ; GREENWALD HOWARD J

Inventor(s): GRAY ROBERT ; GREENWALD HOWARD

Agent(s): ROBERT W GRAY

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

8) Family number: 34277035 (US2007055179A)

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Title: METHOD FOR TREATING SUBCUTANEOUS TISSUES

Abstract: An apparatus and method for treating subcutaneous tissues using acoustic waves in the range of low acoustic pressure ultrasound waves is disclosed. The method includes injections of enhancing agents, wherein disruption of subcutaneous tissues and subcutaneous cavitation bioeffects are produced by ultrasound waves having a power that will not produce tissue cavitation in the absence of the enhancing agents. The apparatus and method of use is useful for treatment of subcutaneous abnormalities including cellulite, lipomas, and tumors.

Classifications:

International (IPC 8-9): A61B A61B17/00 A61B17/03 A61B17/20 A61B17/225 A61B17/30 A61B17/32 A61B17/3201 A61B17/3203 A61B17/3209 A61B17/3211 A61B17/34 A61B18/00 A61B18/06 A61B18/12 A61B18/14 A61B18/18 A61B18/20 A61B90/00 A61F2/00 A61F2/02 A61F7/00 A61F7/12 A61H A61H1/00 A61H1/02 A61H23/02 A61H5/00 A61K31/137 A61K38/22 A61K41/00 A61K45/00 A61K9/12 A61M1/00 A61M37/00 A61M5/00 A61M5/142 A61M5/145 A61M5/158 A61M5/32 A61M5/42 A61M5/46 A61M5/50 A61N1/06 A61N1/18 A61N1/30 A61N1/32 A61N5/06 A61N5/067 A61N7/00 A61N7/02 A61P17/00 A61P3/06 B01D47/02 C12N1/06 C12N13/00 (Advanced/Invention);

A61B17/00 A61B17/22 A61B17/30 A61B17/32 A61B17/3201 A61B17/3203 A61B17/34 A61B18/00 A61B18/06 A61B18/08 A61B18/14 A61B18/20 A61B19/00 A61B90/00 A61F2/00 A61H23/02 A61M5/30 A61N1/32 A61N1/40 A61N5/06 A61N7/00 A61N7/02 (Advanced/Non-invention); A61B17/00 A61B17/20 A61B17/32 A61B17/34 A61B18/00 A61B18/14 A61B18/18 A61F7/00 A61F7/12 A61H1/00 A61M1/00 A61M37/00 A61M5/00 A61M5/32 A61N1/06 A61N1/18 A61N1/30 A61N1/32 A61N7/00 B01D47/02 C12N1/06 C12N13/00 (Core/Invention)

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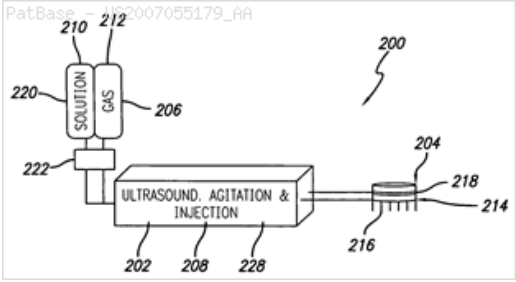
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Priority:

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Probable Assignee: ULTHERA INC

Assignee(s): (std): BRIAN BEN F III ; BRIAN III BEN ; BRIAN III BEN F ; DEEM MARK E ; DEEM MARK ; GIFFORD HANSON ; CABOCHON AESTHETICS INC ; CHOMAS JAMES E ; FOUNDRY INC ; CLAPPER DAVID M ; SUTTON DOUGLAS ; GIFFORD HANSON S III ; MERCHANT ADNAN I ; HOFFMANN STEPHAN T ; SUTTON DOUG S ; HOLZBAUR MICHAEL C ; PENCE STEVE ; THE FOUNDRY INC ; GIFFORD III HANSON S ; SUTTON DOUGLAS S ; ULTHERA INC ; BALLAKUR SOWMYA ; CLARK III ROBERT L ; CLARK ROBERT L III

Assignee(s): CABOCHON AESTHETICS INC 127 INDEPENDENCE DRIVEMENLO PARKCA94025US ; CLARK ROBERT L ; BEN F BRIAN III ; BRIAN BEN F ; ULTHERA INC27 - 2150 S. COUNTRY CLUB DRIVEMESA85210US ; ULTHERA INC MESA ; CABOCHON AESTHETICS INC A DELAWARE CORP

Inventor(s): (std): CLAPPER DAVID M ; CLARK III ; CLARK ROBERT L ; CLARK ROBERT L III ; BRIAN III BEN F ; BRIAN III

; JAMES E CHOMAS ; BALLAKUR SOWMYA ; ADNAN I MERCHANT ; SUTTON DOUGLAS S ; SUTTON DOUGLAS ; ROBERT L CLARK III ; GIFFORD HANSON S III ; GIFFORD HANSON S ; GIFFORD HANSON ; GIFFORD III HANSON S ; DEEM MARK E ; DEEM MARK ; BRIAN BEN F III ; BRIAN BEN F ; BEN F BRIAN III ; SUTTON DOUG S ; PENCE STEVE ; MERCHANT ADNAN I ; HOLZBAUR MICHAEL C ; HOFFMANN STEPHAN T ; CLARK III ROBERT L ; CHOMAS JAMES E ; BRIAN III BEN F

Inventor(s): BRIAN BEN F III MENLO PARK ; CHOMAS JAMES E BOULDER ; CLARK ROBERT L III HAYWARD ; GIFFORD HANSON SIII ; DOUGLAS SUTTON ; MERCHANT ADNAN I FREMONT ; MARK E DEEM ; III HANSON S GIFFORD ; ROBERT L III CLARK ; MERCHANT ADNAN ; MERCHANT ADNAN I MESA ; MERCHANT ADNAN IUS ; SUTTON DOUG ; CHOMAS JAMES E MESA ; CHOMAS JAMES EUS ; BRIAN BEN F III MESA ; BRIAN BEN F IIIUS ; CLARK ROBERT L III MESA ; CLARK ROBERT L IIIUS ; HOFFMANN STEPHAN ; HOLZBAUR MICHAEL

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; FB RICE; FB RICE PTY LTD; IN LEGAL LTD; SMART AND BIGGAR; STOLMAR AND PARTNER PATENTANWALTE PARTG MBB; WALLINGER RICKER SCHLOTTER TOSTMANN PATENT U RECHTSANWALTE PARTNERSCHAFT MBB; MCLEISH NICHOLAS ALISTAIR MAXWELL; RICKER MATHIAS; BOULT WADE TENNANT; LINAGE RAFAEL; ELZABURU SLP ELZABURU SLP; MARKS AND CLERK; SPRUSON AND FERGUSON HONG KONG LTD; NAGAI HIROSHI; TACHIBANA KENJI; TANAKA JUNYA; CANAN OEZTUERKER; AYLIN SENER; FULWIDER PATTON - CABOCHON AESTHETICS; FULWIDER PATTON CABOCHON AESTHETICS; FULWIDER PATTON; FULWIDER PATTON LLP; JONATHAN; KNOBBE MARTENS OLSON AND BEAR LLP; NAGY JOHN S; JOHN S NAGY; KENNETH C CHENEY

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 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 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

9) Family number: 29776039 (US2003229263A)

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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): A61B1/307 A61B17/00 A61B17/04 A61B17/221 A61B17/34 A61B17/66 A61B17/70 A61B17/82 A61B19/00 A61B5/00 A61B5/02 A61B5/03 A61B5/20 A61F2/00 A61F2/02 A61F2/04 A61F2/06 A61F2/07 A61F2/12 A61F2/14 A61F2/24 A61F2/26 A61F2/84 A61F2/95 A61F2/958 A61F9/00 A61M25/00 A61M25/10 A61M29/00 A61M29/02 A61M37/00 F16F9/00 (Advanced/Invention); A61B1/307 A61B17/00 A61B17/22 A61B17/3205 A61B17/34 A61B18/14 A61B5/03 A61B5/20 A61F13/20 A61F13/26 A61F2/00 A61F2/04 A61F2/10 A61F2/30 A61F2/89 A61F2/90 A61F5/00 A61F9/007 A61M25/00 A61M25/04 A61M25/10 (Advanced/Non-invention); A61F2/00 A61F2/14 A61F9/00 A61M29/00 (Core/Invention); A61B (Subclass/Invention)

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

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European: A61F2/00B4B A61F2/02 A61F2/06 A61F2/07 A61F9/007V A61M25/10 K61B1/307 K61B17/00E1C K61B17/00N2 K61B17/00N8 K61B17/00S8 K61B17/04A24P K61B17/221P K61B17/22E8 K61B17/22H6 K61B17/3205S K61B17/34Q K61B17/70V2 K61B18/14F K61B5/20D3 K61F13/20 K61F13/26 K61F2/00C K61F2/00H K61F2/04B K61F2/06M K61F2/07 K61F2/10 K61F2/30A3W34 K61F2/30A5R K61F250/00W5 K61F250/00W5R K61F250/00W82 K61F250/00W99A K61F5/00B6 K61M210/10K K61M210/10K4 K61M25/00T20A1 K61M25/04 K61M25/10A K61M25/10Z5

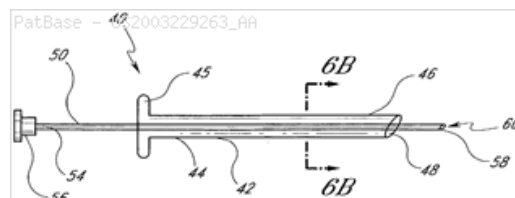
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JP F-Term: 4C060 4C060/MM24 4C060/MM25 4C060/MM26 4C060/MM27 4C160 4C160/MM33 4C160/MM43 4C160/MM53 4C160/NN09 4C167 4C167/AA04 4C167/AA05 4C167/BB09 4C167/BB26 4C167/CC13 4C167/CC14 4C167/CC15 4C167/CC19 4C167/CC21 4C167/CC22 4C167/CC23 4C167/CC24 4C167/CC26 4C167/DD10 4C267 4C097 4C097/BB01 4C097/CC01 4C097/CC02 4C097/DD01 4C097/DD04 4C097/DD05 4C097/EE02 4C097/EE06 4C097/EE09 4C097/EE12 4C097/FF02 4C160/GG24 4C160/GG37 4C160/GG38 4C160/MM03 4C160/MM06 4C160/NN04 3J069 3J069/AA22 3J069/AA24 3J069/AA34 3J069/EE35

JP F-Index: A61B17/00/320 A61B17/00/600 A61M25/10/510 A61M37/00 A61F2/04 F16F9/00/Z

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Priority:

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Probable Assignee: ATTENUEX TECHNOLOGIES INC

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; GILLESPIE JR JOHN ; DAYTON PETER ; SCHUTT ERNEST G ; LIDDICOAT JOHN RANDALL ; GILLESPIE JOHN ; WALLIN SHEILA K ; YUREK MATTHEW T ; SOLACE THERAPEUTICS INC ; YUREK MATHEW T ; ATTENEUX TECHNOLOGIES INC ; ATTENUEX TECH INC ; ATTENUEX TECHNOLOGIES INC ; LIDDICOAT JOHN

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

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

Inventor(s): DAVID G MATSUURA ; WALLIN SHEILA K CARLSBAD ; EDWARD BULLISTER ; KILCOYNE JOHN ; NGUYEN KHOI ; WALTER D GILLESPIE ; PINTAURO WILLIAM ; YUREK MATTHEW

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

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

10) Family number: 32400039 (US2005255142A)

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Title: COATINGS FOR MEDICAL ARTICLES INCLUDING NATURAL BIODEGRADABLE POLYSACCHARIDES

Abstract: Biodegradable coatings that include natural biodegradable polysaccharides are described. The coating is formed from a plurality of natural biodegradable polysaccharides having pendent coupling groups.

Classifications:

International (IPC 8-9): A61F2/00 A61F2/02 A61K39/395 A61L27/34 A61L27/54 A61L31/00 A61L31/10 A61L31/16

A61L33/10 (Advanced/Invention);

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

A61F2/00 (Core/Invention)

International (IPC 1-7): A61F2/00 A61L27/34 A61L31/10

CPC: A61F2210/0004 A61F2310/00389 A61L27/34 A61L27/54 A61L31/10 A61L31/16 A61L2300/232 A61L2300/252

A61L2300/258 A61L2300/406 A61L2300/416 A61L2300/418 A61L2300/622

European: A61L27/34 A61L27/54 A61L31/10 A61L31/16 K61F210/00A K61F310/00L K61L300/232 K61L300/252

K61L300/258 K61L300/406 K61L300/416 K61L300/418 K61L300/622

US: 424/133.1 424/426 424/426P

JP F-Term: 4C081 4C081/AC05 4C081/AC08 4C081/AC09 4C081/BA02 4C081/BA05 4C081/BA16 4C081/BB06

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JP F-Index: A61L15/28/100 A61L15/32/100 A61L15/44/100 A61L15/64/100 A61L17/00/100 A61L17/10 A61L17/14/100

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Family:

Publication number	Publication date	Application number	Application date
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EP1755696 A1	20070228	EP20050748196	20050512
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Priority:

US20040570334 20040512 US20040570334P 20040512 US20040603707P 20040823

US20040613662P 20040928 US20050127351 20050512 WO2005US16604 20050512

Probable Assignee: SURMODICS INC

Assignee(s): (std): BURKSTRAND MICHAEL J ; CHINN JOSEPH A ; CHUDZIK STEPHEN J ; SURMODICS INC ; SWAN DALE G

Assignee(s): SUR MODICS INC

Inventor(s): (std): BURKSTRAND MICHAEL J ; CHINN JOSEPH A ; CHUDZIK STEPHEN J ; SWAN DALE G ; CHUDZIK STEPHEN J CHINN JOSEPH

Inventor(s): BURKSTRAND MICHAEL ; CHUDZIK STEPHEN J CHINN JOSEPH A SWAN DALE G BURKS ; SWAN DALE ; CHUDIZIK STEPHEN J ; CHUDZIK STEPHEN ; CHINN JOSEPH

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

11) Family number: 42069040 (US2008183038A)

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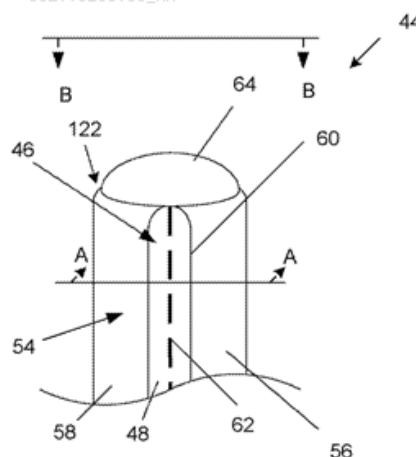
Title: BIOLOGICAL NAVIGATION DEVICE

Abstract: A biological navigation device that can be attached or integrated with an elongated element, such as a colonoscope, is disclosed. The device can be used for navigation through a biological lumen. The device can have an everting tube controllably tearable substantially in the direction of the long axis of the device. The elongated element can be deployed through a channel formed in the inner virtual space of the channel extending along the long axis.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/005 A61B1/008 A61B1/01 A61B1/05 A61B1/07 A61B1/31 A61B17/00 A61B17/56 A61B17/58 A61B17/72 A61B17/88 A61B19/00 A61B5/00 A61F2/958 A61M25/01 A61M25/098 A61M25/10 A61M25/14 A61M29/00 A61M29/02 A61M31/00 B29C41/02 B29C53/04 B29C53/82 B29C65/48 B32B38/10 (Advanced/Invention); A61F5/00 B29C41/04 B29C41/14 (Advanced/Non-invention); A61B1/005 A61B1/008 A61B1/05 A61B1/31 (Core/Invention)
CPC: A61B1/018 A61B17/00234 A61B5/6847 A61B5/4836 A61B1/07 A61B1/0055 A61B17/8816 A61B17/8827 A61B17/8833 A61B17/8855 A61F5/0036 A61M25/0147 A61M25/1002 A61M25/1027 A61M25/1029 A61M2025/1031 A61M2025/1072 A61M2025/1075 A61M2025/1086 A61M2025/1088 A61M2025/1093 A61M2210/02 B29C41/04 B29C41/14 A61M29/02 A61B34/20 A61B34/30 A61B90/11 A61B90/39 Y10T156/1028 Y10T156/108 A61M2210/125 A61M2025/1097 A61B1/0051 A61B1/00071 A61B1/0008 A61B1/005 A61B1/01 A61B2017/003 A61M25/0113 A61M25/0116 A61M25/0133 A61B1/00135 A61B1/00151 A61B1/31
European: A61B1/00H4 A61B1/018 A61B1/31 A61B17/88A2E A61B17/88A2V A61B17/88A4 A61B17/88C2B A61M25/01C10K A61M25/10A A61M25/10G1 K61M210/02 K61M25/10G K61M25/10G1A K61M25/10Z13 K61M25/10Z14 K61M25/10Z19 K61M25/10Z20 K61M25/10Z22 L29C41/04 L29C41/14
US: 1/1 156/155 156/212 156/212S 156/267 156/267S 600/104 600/104P 600/114 600/116 600/116P 600/121 600/121P 600/139 600/139P 600/300 604/103.06 604/103.060P 604/103.1 604/103.100P 604/103.100S 604/500 604/500P 604/96.01 604/96.010S 604/99.04 604/99.040S 606/130 606/191 606/191P 606/192 606/192P 606/192S 606/63 606/63P 606/86.00RP 606/86R 606/94 606/94P

PatBase - US2008183038_AA



Family:

Publication number	Publication date	Application number	Application date
DE602009017452 D1	20130919	DE200960017452T	20090602
EP2300094 A1	20110330	EP20090759267	20090602
EP2300094 A4	20111102	EP20090759267	20090602
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EP2644225 A1	20131002	EP20130169458	20090602
US2008183038 AA	20080731	US20080023986	20080131
US2009299327 AA	20091203	US20090476848	20090602
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US2017050004 AA	20170223	US20160344066	20161104
US8708955 BB	20140429	US20090477084	20090602
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WO08095052 A3	20081106	WO2008US52542	20080130
WO09149108 A1	20091210	WO2009US46008	20090602

Priority:

US20070887319P	20070130	US20070887323P	20070130	US20070949219P	20070711
WO2008US52535	20080130	WO2008US52542	20080130	US20080023986	20080131
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US20090205866P	20090122	WO2009US41637	20090424	WO2009US41637	20090429
EP20090759267	20090602	US20090476922	20090602	US20090476848	20090602
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US20090477077	20090602	US20090477048	20090602	WO2009US46008	20090602
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US20140498424	20140926	US20160344066	20161104		

Probable Assignee: LOMA VISTA MEDICAL INC

Assignee(s): (std): ADAMS CHRISTOPHER ; ADAMS CHRISTOPHER M ; ADAMS CHRISTOPHER MICHAEL ; BARHAM MITCHELL C ; DOWNS R J ; DOWNS ROLAND J ; LOMA VISTA MEDICAL INC ; DUVAL GENE ; SCHEEFF MARK C ; TILSON ALEXANDER Q ; MORRIS STEPHEN J ; KNIGHT DAVID P ; SCHEEFF MARK CHRISTOPHER ; HOLWEGER JON MICHAEL ; HOLWEGER JON M ; LORNA VISTA MEDICAL INC ; TILSON ALEXANDER QUILLIN

Assignee(s): LOMA VISTA MEDICAL INC BURLINGAME

Inventor(s): (std): ADAMS CHRISTOPHER ; BARHAM MITCHELL C ; DOWNS R J ; DUVAL EUGENE ; DUVAL GENE ; KNIGHT DAVID P ; MORRIS STEPHEN J ; SCHEEFF MARK C ; TILSON ALEXANDER Q ; TILSON ALEXANDER QUILLIN ; SCHEEFF MARK CHRISTOPHER ; HOLWEGER JON MICHAEL ; HOLWEGER JON M ; DOWNS ROLAND J ; ADAMS CHRISTOPHER MICHAEL ; ADAMS CHRISTOPHER M

Agent(s): HOFFMANN EITLE PATENT U RECHTSANWALTE PARTMBB; THOMA MICHAEL; HOFFMANN EITLE; LEVINE BAGADE HAN LLP; KING AND SCHICKLI PLLC; LEVINE DAVID A 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 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

12) Family number: 33698043 (US2009280153A)

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

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

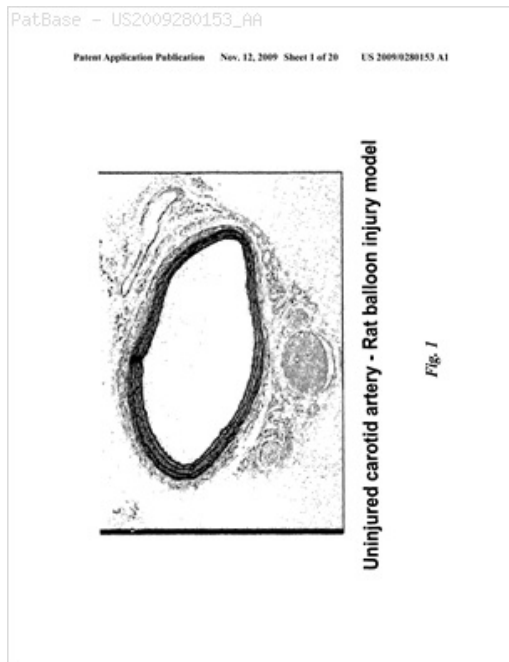
Classifications:

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

CPC: A61K31/665 A61L2300/406 A61L2300/41 A61L2300/414 A61L2300/45 A61L2300/604 A61L2300/606 A61M5/14276 A61L29/16 A61N1/362 A61N1/3956 A61N1/3605 A61L27/54 A61L31/16 A61L2300/40 A61N1/37

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

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



Family:

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

Priority:

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

Probable Assignee: ANGIOTECH INT AG

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

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

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT 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

13) Family number: 34492043 (US2007118055A)

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Abstract: Systems and methods for planning surgical procedures involving custom medical **implants** that can involve the selection, design and/or creation of custom medical **implants** and/or the selection, modification, and/or design of custom surgical procedures related to those **implants**. Certain embodiments allow **implants** to be selected, designed, created, or otherwise customized and then placed in patients using non-standard surgical techniques. The invention provides greater flexibility in implant use by allowing a surgeon to revise, create, or otherwise select surgical techniques for custom **implants** and, ultimately, provide better treatment in a greater variety of medical circumstances. Certain embodiments of the invention involve computer assisted surgery to provide for implant-related surgery involving non-standard surgical steps and/or **implants**.

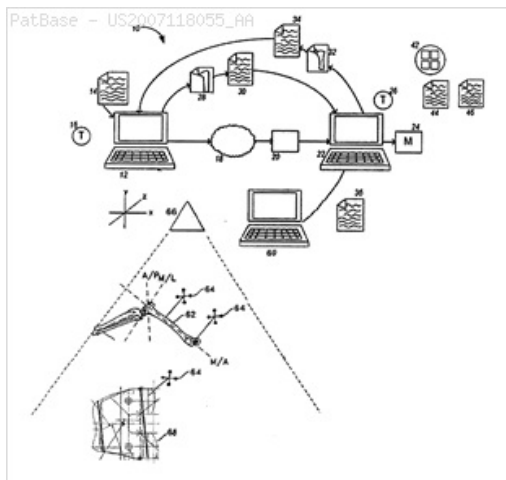
Classifications:

International (IPC 8-9): A61B17/00 A61B17/16 A61B17/56 A61B19/00 A61B34/20 A61B5/00 A61B5/103 A61B5/107 A61B90/00 A61F2/30 A61F2/36 A61F2/38 A61F2/82 G06F17/50 G06F19/00 G06G7/48 G06G7/58 G06Q30/00 (Advanced/Invention); A61B17/15 A61B17/17 A61B34/10 A61B5/107 G06F19/00 G16H50/50 (Advanced/Non-invention); A61B5/107 G06F19/00 (Core/Invention)

CPC: A61B17/1725 A61B17/1764 A61B17/72 A61F2/36 A61F2/3662 A61F2/52 A61F2002/3071 A61F2002/30948 A61F2002/30952 A61F2002/30953 A61F2002/3625 A61F2250/0085 A61B34/25 A61B2034/102 A61B2034/105 A61B2034/108 A61B2034/2055 A61B2034/252 A61B2034/256 A61B17/16 A61B5/103 A61B2034/107 G16H50/50 G06F19/00 A61B5/1077 A61B5/4528 A61B17/154 A61B17/1703 A61B34/20 A61F2/3859 A61B34/10 Y04S10/54 G06Q10/06 A61F2/30942 A61F2002/30535 A61F2250/0058 G06Q30/0621 G06Q50/22

European: A61B19/52H12 A61B5/103 A61B5/45K A61F2/30M2 A61F2/38F G06Q10/06 G06Q30/0621 G06Q50/22 K61B17/15K K61B17/17B K61B19/50 K61B19/52H12 K61B5/107L K61F2/30A3W K61F250/00W

US: 128/898 128/898S 600/587 600/587P 606/79 606/87 606/87S 606/88 606/88P 623/1.15 623/901 623/901S 700/117 700/117P 700/118 700/98 700/98S 703/1 703/1P 705/26.5



Family:

Publication number	Publication date	Application number	Application date
EP2083758 A2	20090805	EP20070811404	20070817
EP2083758 A4	20120613	EP20070811404	20070817
EP2083758 B1	20171101	EP20070811404	20070817
TW200821888 A	20080516	TW20070130638	20070817
US2007118055 AA	20070524	US20060593294	20061106
US2007203605 AA	20070830	US20060506575	20060818
US2010332197 AA	20101230	US20100839433	20100720
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US2016081808 AA	20160324	US20150951602	20151125
US2018256340 AA	20180913	US20180978648	20180514
US7983777 BB	20110719	US20060506575	20060818
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Priority:

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US20180978648 20180514		

Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s): (std): BRUNEAU STEVE ; JAMES ANTHONY ; JAMES ANTHONY H ; LANGLOIS JONATHAN D ; MC COMBS DANIEL L ; SMITH AND NEPHEW INC ; MELTON MARK ; RASSMANN THOMAS W ; MCCOMBS DANIEL L ; SMITH AND AMP NEPHEW INC ; SMITH AND NEPHEW PLC

Inventor(s): (std): BRUNEAU STEVE ; JAMES ANTHONY ; JAMES ANTHONY H ; LANGLOIS JONATHAN D ; MC COMBS DANIEL L ; MCCOMBS DANIEL L ; MELTON MARK ; RASSMANN THOMAS W

Inventor(s): RASSMANN THOMAS ; MCCOMBS DANIEL ; LANGLOIS JONATHAN D AND ; LANGLOIS JONATHAN

Agent(s): CONNORS MARTIN L H ; SMITH AND NEPHEW ; CHIEF PATENT COUNSEL SMITH AND NEPHEW INC ; DIANA HOUSTON SMITH AND NEPHEW INC ; KILPATRICK TOWNSEND AND STOCKTON LLP ; PRATT JOHN S ET AL

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

14) Family number: 51085043 (US2012116424A)

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Title: ADHESIVE COMPOUNDS AND METHODS USE FOR HERNIA REPAIR

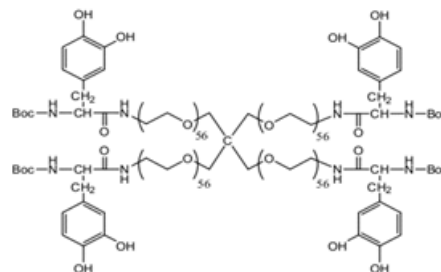
Abstract: The invention describes new synthetic medical adhesives and films which exploit the key components of natural marine mussel adhesive proteins.

Classifications:

International (IPC 8-9): A61B17/03 A61F2/00 A61F2/02 A61L24/00 A61L24/04 A61L24/06 C09J171/02 C09J7/02 (Advanced/Invention); A61L24/00 (Advanced/Non-invention)

CPC: A61L24/0005 C08L71/02 C08L67/04 A61L24/043 A61L24/06 C09J171/02 A61F2/0063 A61L24/001 A61L24/046

US: 1/1 606/151 606/151P

**Family:**

Publication number	Publication date	Application number	Application date
CA2817215 AA	20130507	CA20112817215	20111109
CA2817215 C	20170509	CA20112817215	20111109
EP2637707 A2	20130918	EP20110840079	20111109
EP2637707 A4	20141001	EP20110840079	20111109
US2012116424 AA	20120510	US20110292527	20111109
US2016346424 AA	20161201	US20160137293	20160425
US9320826 BB	20160426	US20110292527	20111109
WO12064821 A2	20120518	WO2011US59930	20111109
WO12064821 A3	20130404	WO2011US59930	20111109

Priority:

US20100411747P 20101109 US20100415743P 20101119 US20110292527 20111109
 WO2011US59930 20111109 US20160137293 20160425

Probable Assignee: ROYAL DSM NV

Assignee(s): (std): KENSEY NASH CORP ; KNC NER ACQUISITION SUB INC ; MURPHY JOHN L ; LEE BRUCE P ; LYMAN ARINNE ; LEW WILLIAM ; VOLLENWEIDER LAURA ; LEW WILLIAM D ; LYMAN ARINNE N ; BRODIE MICHAEL ; DALVIN JEFFREY L ; XU FANGMIN ; WHITE JEDIAH

Assignee(s): DSM BIOMEDICAL INC ; DSM IP ASSETS BV ; ROYAL DSM NV

Inventor(s): (std): LEW WILLIAM ; LYMAN ARINNE ; XU FANGMIN ; WHITE JEDIAH ; VOLLENWEIDER LAURA ; MURPHY JOHN L ; LYMAN ARINNE N ; LEW WILLIAM D ; LEE BRUCE P ; DALVIN JEFFREY L ; BRODIE MICHAEL

Agent(s): SMART AND BIGGAR; GLAWE DELFS MOLL; CASIMIR JONES SC; KIRK J; HOGAN KIRK J

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

15) Family number: 49411047 (US2011202053A)

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Title: ABLATION DEVICE WITH GUIDE **SLEEVES**

Abstract: An energy **delivery** device for treating a patient includes a probe body; a plurality of guide **sleeves** positioned inside the probe body and adapted to be deployed radially away from the probe body and into tissue of the patient; and a plurality of elongate electrode elements each adapted to receive electrical treatment energy from an energy source and adapted to be deployed into the tissue through a corresponding deployed guide **sleeve**. The guide **sleeves** provide a structural pathway for guiding the electrodes along their intended trajectory and for determining the angle of deployment of the electrodes relative to the longitudinal axis of the probe body.

Classifications:

International (IPC 8-9): A61B17/3205 A61B17/34 A61B17/70 A61B18/12 A61B18/14 A61B18/18 A61F A61F2/02 A61F2/28 A61F2/44 (Advanced/Invention); A61B17/70 A61B17/88 A61B18/00 A61B18/12 A61F2/28 A61F2/30 A61F2/46 (Advanced/Non-invention); A61F (Subclass/Invention)

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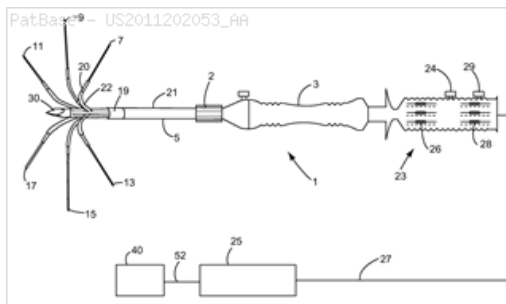
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JP F-Term: 4C097 4C097/AA10 4C097/BB01 4C097/CC01 4C097/CC14 4C097/CC16 4C097/DD01 4C097/DD09

JP F-Index: A61F2/44

Family:

Publication number	Publication date	Application number	Application date
CA2789961 AA	20110825	CA20112789961	20110216
CN102933178 A	20130213	CN201180019074	20110216
EP2536363 A1	20121226	EP20110707919	20110216
EP2536364 A1	20121226	EP20110708330	20110216
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IN07320CN2012 A	20131220	IN2012CN07320	20120823
JP2013526898 T2	20130627	JP20120552517T	20110216
JP5774028 B2	20150902	JP20120552517T	20110216
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RU2012138578 A	20140327	RU20120138578	20110216
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US2011238057 AA	20110929	US20110028431	20110216
US2013035762 AA	20130207	US20110579292	20110216
US2014296844 AA	20141002	US20140304316	20140613
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US2015209151 AA	20150730	US20150664867	20150322
US2017238994 AA	20170824	US20170591655	20170510
US9017408 BB	20150428	US20110579292	20110216
US9662222 BB	20170530	US20150664867	20150322
US9675406 BB	20170613	US20110027801	20110215
WO11101792 A1	20110825	WO20111B50647	20110216
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WO11103096 A2	20110825	WO2011US24909	20110215
WO11103096 A3	20111208	WO2011US24909	20110215
WO11103133 A2	20110825	WO2011US25003	20110216
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Priority:

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US20170591655	20170510				

Probable Assignee: NLT SPINE LTD

Assignee(s): (std): ANGIODYNAMICS INC ; APPLING WILLIAM M ; AVUTHU SRAVANTHI ; PEARSON ROBERT M ; MOSS KEVIN LEE ; MOSHE MEIR HAI ; NLT SPINE LTD ; KEREN DVIR ; LOEBL ODED ; NONLINEAR TECHNOLOGIES LTD ; SIEGAL TZONY ; TOUBIA DIDIER

Assignee(s): TZONY SIEGAL ; SEASPIN INC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; DVIR KEREN

Inventor(s): (std): KEVIN MOSS ; KEREN DVIR ; TOUBIA DIDIER ; LOEBL ODED ; SIEGAL TZONY ; MOSHE MEIR HAI ; MOSS KEVIN LEE ; AVUTHU SRAVANTHI ; PEARSON ROBERT M ; MOSS KEVIN L ; APPLING WILLIAM M

Inventor(s): TZONY SIEGAL ; DVIR KEREN

Agent(s): HERMAN AND MILLMAN; PAWLOWSKI ADAM; MARK M; ZACHARY F; DR MARK FRIEDMAN LTD; AHN HARRY K; CUSTER TARA L

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

16) Family number: 23355051 (US2002072673A)

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Title: TREATMENT OF OCULAR DISEASE

Abstract: The invention relates to a novel apparatus for the treatment of ocular disease, particularly glaucoma. The apparatus consists of a locating device to locate Schlemm's Canal within the anterior portion of the eye and a surgical tool to access the canal for treatment. The apparatus allows for guided, minimally invasive surgical access to Schlemm's Canal to enable surgical procedures to be performed on the canal and trabecular meshwork to reduce intraocular pressure. The apparatus may also deliver devices or substances to Schlemm's Canal in the treatment of glaucoma.

Classifications:

International (IPC 8-9): A61B6/00 A61B8/00 A61B8/10 A61F2/14 A61F2/84 A61F9/00 A61F9/007 A61K31/728 A61K45/00 A61K47/36 A61K9/14 A61K9/16 A61K9/50 A61L27/20 A61L27/50 A61L31/04 A61L31/14 A61M35/00 A61P27/02 A61P27/06 (Advanced/Invention); A61B8/10 A61F9/007 (Advanced/Non-invention);

A61B6/00 A61B8/00 A61B8/10 A61F2/14 A61F2/82 A61F9/007 A61K31/726 A61K45/00 A61K47/36 A61K9/14 A61K9/16 A61K9/50 A61L27/00 A61L31/04 A61L31/14 A61P27/00 (Core/Invention)

International (IPC 1-7): A61B8/02 A61B8/10 A61F9/00 A61F9/007 A61K31/728 A61K45/00 A61K47/36 A61K9/16 A61K9/50 A61L27/20 A61L27/50 A61L31/04 A61L31/14 A61M29/00 A61P27/02 B29B9/00

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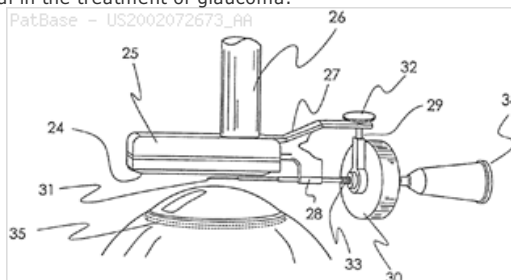
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JP F-Term: 4C078 4C076 4C076/AA64 4C076/AA95 4C076/BB11 4C076/BB24 4C076/CC04 4C076/CC26 4C076/EE37 4C076/FF67 4C076/FF68 4C076/GG22 4C076/GG25 4C076/GG32 4C084 4C084/AA16 4C084/BA44 4C084/DC32 4C084/MA05 4C084/MA38 4C084/MA58 4C084/MA66 4C084/NA13 4C084/ZA33 4C084/ZB11 4C201 4C167 4C167/AA07 4C167/AA46 4C167/BB02 4C167/CC13 4C167/DD10 4C167/FF01 4C167/FF05 4C167/GG43 4C167/GG47

JP F-Index: A61F9/00/550 A61F9/00/570 A61F9/00/130/E A61F9/00/160 A61F9/00/170 A61F9/00/200/C A61K45/00 A61K47/36 A61K9/50 A61P27/02 A61F2/94 A61F9/007/200/Z A61M29/00

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Publication number	Publication date	Application number	Application date
AT298256 E	20050715	AT20010959403T	20010731
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CA2393673 AA	20020607	CA20002393673	20001211
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JP2004505065 T2	20040219	JP20020515338T	20010731
JP2009213894 A2	20090924	JP20090101764	20090420
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KR20070073751 A	20070710	KR20077006259	20070319
KR20070092199 A	20070912	KR20077006258	20070319
PT1305057 T	20051130	PT20010959403T	20010731
US2002072673 AA	20020613	US20000735408	20001211
US2003211166 AA	20031113	US20030343550	20030131
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US2010179652 AA	20100715	US20090587375	20091005
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WO0141685 A2	20010614	WO2000US33522	20001211
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WO0209787 A1	20020207	WO2001US24149	20010731

Priority:

US19990172693P 19991210	US20000096290 20000731	US20000629000 20000731
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WO2000US33522 20001211	WO2001US24149 20010731	KR20027007425 20020610
WO2000US33522 20020610	US20030343550 20030131	WO2000US33522 20070319
US20080211001 20080915	US20090587375 20091005	

Probable Assignee: ELLEX ISCIENCE INC

Assignee(s): (std): CONSTON STANLEY R ; ISCIENCE CORP ; NASH MICHAEL F ; YAMAMOTO RONALD K ; KOCH PAUL S ; ISCIENCE INTERVENTIONAL CORP

Assignee(s): ISCIENCE SURGICAL CORP ; ISCIENCE CORP SAN FRANCISCO ; ELLEX ISCIENCE INC

Inventor(s): (std): CONSTON R ; CONSTON STANLEY R ; KOCH S ; NASH F ; YAMAMOTO K ; YAMAMOTO RONALD K ; STANLEY R CONSTON ; RONALD K YAMAMOTO ; PAUL S KOCH ; MICHAEL F NASH ; NASH MICHAEL F ; KOCH PAUL S

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; GREGORY SMITH AND ASSOCIATES; GSS LAW GROUP; JAMES J; CAROL D

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

17) Family number: 11764053 (US5380329A)

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Title: BONE AUGMENTATION METHOD AND APPARATUS

Abstract: A method and apparatus for augmenting the bone in the face of a human being makes an intraoral incision and delivers bone augmentation material into a containment structure intermediate facial tissue and underlying bone. The containment structure prevents the bone from migrating.

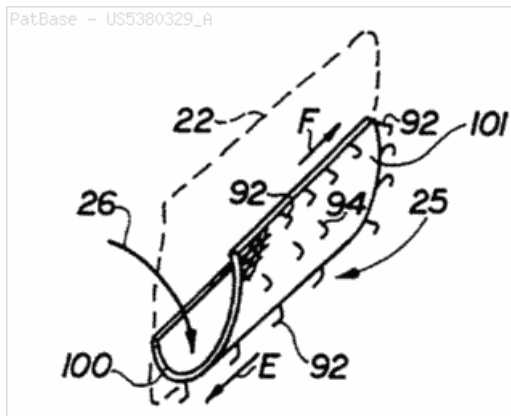
Classifications:

International (ipc 8-9): A61B17/58 A61F2/00 A61F2/28 A61F2/46 (Advanced/Invention); A61F2/02 A61F2/30 (Advanced/Non-invention); A61B17/58 A61F2/00 A61F2/28 A61F2/46 (Core/Invention); A61F2/02 A61F2/30 (Core/Non-invention)

International (ipc 1-7): A61B17/56 A61F5/00 A61M5/00
CPC: A61F2002/4627 A61F2/0059 A61B17/58 A61F2/2846 A61F2/2875 A61F2/4603 A61F2/4684 A61F2002/2807 A61F2002/281 A61F2002/2835 A61F2002/2882 A61F2002/2885 A61F2002/2889 A61F2002/30062 A61F2002/30682 A61F2210/0004

European: A61B17/58 A61F2/00C A61F2/28H A61F2/28S A61F2/46B

US: 606/330 606/72 606/86 606/86R

**Family:**

Publication number	Publication date	Application number	Application date
US5380329 A	19950110	US19920920799	19920728
WO9403117 A1	19940217	WO1993US07111	19930727

Priority:

US19920920799 19920728

Probable Assignee: BAINS JERRY W**Assignee(s):** (std): DENTAL MARKETING SPEC INC ; JERRY W BAINS AND SALEE C BAIN ; DENTAL MARKETING SPECIALISTS I ; BAINS JERRY W RESTATED DEFINED**Assignee(s):** BAINS JERRY W RESTATED DEFINED BENEFIT PENSION ; BAINS LEIGH ANNE ; BAINS JERRY W ; DENTAL MARKETING SPECIALISTS INC ; BAINS SALEE C ; JERRY W BAINS AND SALEE C BAINS**Inventor(s):** (std): BAINS JERRY W ; ELIA JAMES P**Designated states:** AT BE CH DE DK ES FR GB GR IE IT JP LU MC NL PT SE**18) Family number: 27161059 (US2003018299A)**

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Title: MEDICAL INJECTION APPARATUS

Abstract: An injection apparatus includes components that facilitate injection of relatively viscous materials into a patient. An injection apparatus may include a transition-bore needle apparatus, which has a proximal end, a distal end, and a lumen extending from the proximal end to the distal end, in which the diameter of the proximal end is greater than the diameter of the distal end. An injection apparatus may include a hand-held injection facilitation apparatus, which may be coupled to a syringe. The hand-held injection facilitation apparatus can include a pivot arm and a body with a rod disposed within the body and coupled to the pivot arm. Movement of the pivot arm results in a proximal or distal movement of the rod within the body to effectively cause material to be expelled from the syringe. An injection apparatus may include a transition-bore needle apparatus and a hand-held injection facilitation apparatus in combination.

Classifications:**International (IPC 8-9):** A61M31/00 A61M5/178 A61M5/20

A61M5/315 A61M5/32 (Advanced/Invention);

A61B1/273 A61B17/00 A61F2/00 A61M25/00 (Advanced/Non-invention);

A61M31/00 A61M5/20 A61M5/315 (Core/Invention);

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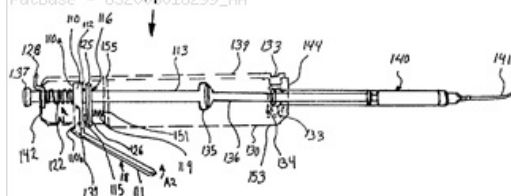
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A61M2025/0089 A61M2025/0091 A61M25/0084

European: A61B17/062N A61M25/00T40A A61M25/00T5 A61M5/20 A61M5/315F2A2 K61B1/273D K61B17/00L K61B17/00R9 K61F2/00B6B K61M25/00T40A3 K61M25/00T40A3F K61M5/315C K61M5/315F3B2**US:** 604/135 604/135P 604/164.01 604/164.010S 604/229 604/229S 604/239 604/272 604/272S 604/507 604/507P 604/61 604/61P

PatBase - US2011018299_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2002345667 AA	20030102	AU20020345667	20020614
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CA2455326 AA	20031215	CA20022455326	20020614
CA2455326 C	20081021	CA20022455326	20020614
EP1418964 A2	20040519	EP20020744316	20020614
MXPA03011731 A1	20040701	MX2003PA11731	20020614
US2003018299 AA	20030123	US20020172773	20020614
US2004106892 AA	20040603	US20030714154	20031114
US2007078435 AA	20070405	US20060454540	20060616
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Priority:

US20010298310P 20010614	US20010298620P 20010614	US20020172773 20020614
WO2002US18722 20020614	US20030714154 20031114	US20060454540 20060616

Probable Assignee: SUNEVA MEDICAL INC**Assignee(s):** (std): ANDERSON RUSSELL ; ARTES MEDICAL USA INC ; STONE CORBETT**Assignee(s):** SUNEVA MEDICAL INC ; VENTURE LENDING AND LEASING V INC ; ARTF ACQUISITION CORP ; COWEN

Inventor(s): (std): CORBETT STONE ; STONE CORBETT ; ANDERSON RUSSELL**Agent(s):** SPRUSON AND FERGUSON; SMART AND BIGGAR; HELLER EHRMAN LLP**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW**19) Family number: 48466063** (US2011066251A)

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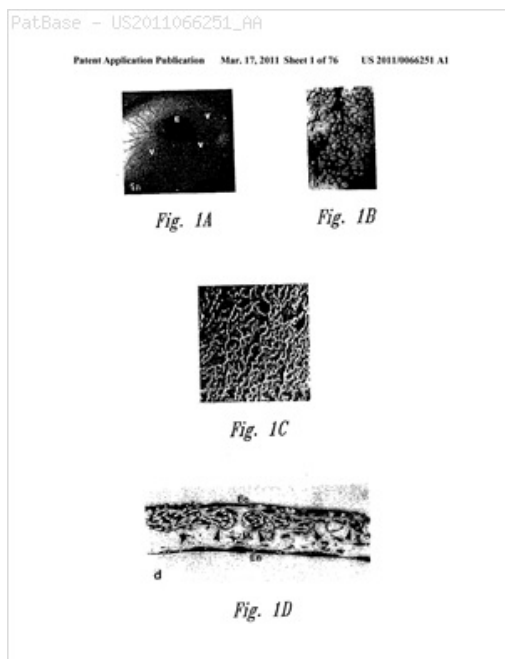
Title: ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE**Abstract:** The present invention provides compositions comprising an anti-angiogenic factor, and a polymeric carrier. Representative examples of anti-angiogenic factors include Anti-Invasive Factor, Retinoic acids and derivatives thereof, and taxol. Also provided are methods for embolizing blood vessels, and eliminating biliary, urethral, esophageal, and tracheal/bronchial obstructions.**Classifications:**

International (IPC 8-9): A61F2/02 A61F2/04 A61F2/06 A61F2/84 A61K31/122 A61K31/136 A61K31/175 A61K31/185 A61K31/19 A61K31/203 A61K31/335 A61K31/337 A61K31/519 A61K31/57 A61K33/24 A61K38/55 A61K38/57 A61K45/00 A61K45/06 A61K47/30 A61K47/32 A61K47/34 A61K47/36 A61K47/42 A61K47/48 A61K9/00 A61K9/16 A61K9/50 A61K9/51 A61K9/70 A61L27/34 A61L27/54 A61L31/00 A61L31/08 A61L31/10 A61L31/14 A61L31/16 A61P1/04 A61P1/16 A61P11/00 A61P13/02 A61P27/02 A61P35/00 A61P7/04 A61P9/00 C07D305/14 C07K14/81 C08L23/08 (Advanced/Invention); A61K38/00 C08L29/04 C08L67/04 (Advanced/Non-invention)

CPC: A61K9/14 A61K9/0019 A61K9/0048 A61K9/0051 A61K9/1635 A61K9/1641 A61K9/1647 A61K9/1658 A61K9/5031 A61K9/5146 A61K9/5153 A61K9/7007 A61K31/122 A61K31/136 A61K31/165 A61K31/185 A61K31/203 A61K31/335 A61K31/337 A61K31/426 A61K31/427 A61K31/4745 A61K31/519 A61K31/525 A61K31/555 A61K31/565 A61K31/57 A61K31/702 A61K33/00 A61K33/06 A61K33/24 A61K33/30 A61K38/57 A61K45/06 A61L31/10 A61L31/145 A61L31/16 A61L2300/416 A61L2300/606 A61L2300/622 B82Y5/00 C07C233/64 C07K14/811 C08L23/0853 C08L29/04 C08L67/04 C08L2203/02 C08L2312/00 Y10S977/773 Y10S977/915 A61L2430/36

European: A61K31/122 A61K31/136 A61K31/165 A61K31/185 A61K31/203 A61K31/335 A61K31/337 A61K31/426 A61K31/427 A61K31/4745 A61K31/519 A61K31/525 A61K31/555 A61K31/565 A61K31/57 A61K31/702 A61K33/00 A61K33/06 A61K33/24 A61K33/30 A61K38/57 A61K45/06 A61K9/00M16 A61K9/00M16B A61K9/00M5 A61K9/16H6B A61K9/16H6D A61K9/16H6D4 A61K9/16H6H A61K9/50H6D A61K9/51H6D A61K9/51H6D4 A61K9/70B A61L31/10 A61L31/14F A61L31/16 C07C233/64 C07K14/81B1 C08L23/08C1 C08L67/04 K61K38/00 K61L300/416 K61L300/606 K61L300/622 M08L203/02 M08L23/08C1 M08L29/04 M08L312/00 M08L67/04

US: 623/23.7 623/23.700P

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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US20030390534 20030314	US20040959398 20041007	US20060435854 20060518
US20100820523 20100622		

Probable Assignee: ANGIOTECH PHARM INC**Assignee(s):** (std): ANGIOTECH PHARM INC**Assignee(s):** ANGIOTECH PHARMACEUTICALS INC ; WELLS FARGO FOOTHILL LLC AGENT AS ; WELLS FARGO CAPITAL FINANCE LLC ADMINISTRATIVE AGE ; ANGIOTECH PHARMACEUTICALS US INC ; BG SULZLE INC ; MANAN MEDICAL PRODUCTS INC ; MEDICAL DEVICE TECHNOLOGIES INC ; QUILL MEDICAL INC ; SURGICAL SPECIALTIES CORP ; WELLS FARGO CAPITAL FINANCE LLC ADMINISTRATIVE AGENT AS ; AMERICAN MEDICAL INSTRUMENTS HOLDINGS INC ; ANGIOTECH AMERICA INC ; ANGIOTECH BIOCOATINGS CORP ; ANGIOTECH INT HOLDINGS CORP**Inventor(s):** (std): ARSENAULT A LARRY ; HUNTER WILLIAM L ; MACHAN LINDSAY S**20) Family number: 30131072** (US2003166274A)

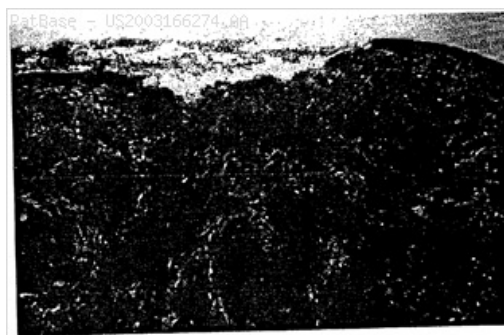
© PatBase

Title: THREE-DIMENSIONAL MATRIX FOR PRODUCING LIVING TISSUE EQUIVALENTS**Abstract:** The primary aspect of the present invention is directed to a three-dimensional matrix, a living tissue equivalent, a tissue microarray, methods of making thereof, and methods of using thereof. In one embodiment of the invention, the three-dimensional matrix comprises fibroblasts and a fibrin matrix. In a preferred embodiment, the three-dimensional matrix comprises blood plasma, thrombin and fibroblasts. The three-dimensional matrix in accordance with this invention may be used to construct living tissue equivalents, including but not limited to skin, blood vessel, bone, tendon, ligaments, and organ equivalents, among many others. Furthermore, the living tissue equivalents may be used to test the effect of various agents and to study the mechanism of disease and the efficacy of various treatment protocols.**Classifications:**

International (IPC 8-9): A61F2/00 C12N11/02 C12N5/00 C12N5/071 C12N5/077 C12Q1/02 (Advanced/Invention); A61K35/12 (Advanced/Non-invention); A61B (Subclass/Invention)

International (IPC 1-7): A61B A61F2/00 C12N11/02 C12N5/06

C12N5/08 C12Q1/02
CPC: A61K35/12 C12N5/0068 C12N5/0698 C12N2500/38
C12N2500/40 C12N2501/135 C12N2501/15 C12N2501/39
C12N2501/395 C12N2502/094 C12N2502/1323 C12N2533/56
European: C12N5/00S C12N5/06T2 K61K35/12 M12N500/38
M12N500/40 M12N501/135 M12N501/150 M12N501/390
M12N501/395 M12N502/09K M12N502/13F M12N533/56
US: 435/366 435/366P



Family:

Publication number	Publication date	Application number	Application date
AU2002343738 AA	20030526	AU20020343738	20021115
US2003166274 AA	20030904	US20020295398	20021115
WO03041568 A2	20030522	WO2002US36837	20021115
WO03041568 A3	20050428	WO2002US36837	20021115

Priority:

US20010332138P 20011115 US20020295398 20021115 WO2002US36837 20021115

Probable Assignee: OF MEDICINE AND DENTISTRY OF NEW JERSEY UNIV

Assignee(s): (std): HEWITT CHARLES W ; SCHUSTER KEVIN ; STRANDE LOUISE ; UNIV NEW JERSEY MED

Assignee(s): UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY ; SCHUSTER KEVIN M ; OF MEDICINE AND DENTISTRY OF NEW JERSEY UNIV

Inventor(s): (std): HEWITT CHARLES W ; SCHUSTER KEVIN ; STRANDE LOUISE ; SCHUSTER KEVIN M

Inventor(s): LOUISE STRANDE ; KEVIN SCHUSTER ; CHARLES W HEWITT

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

21) Family number: 60907074 (US2017065404A)

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Title: IMPLANTABLE NIPPLE ASSEMBLY

Abstract: A nipple implant assembly and method for implanting the nipple implant are provided. The nipple implant assembly comprise of nipple skeleton with or without areola made of metallic or non-metallic memory-shape bio-compatible material. The nipple implant assembly may consist of holes to allow growth of natural breast tissue into the implant for improved holding better attachment of the implant into the human's tissue. The nipple implant assembly may be coated by or cast in a polymeric coating.

Classifications:

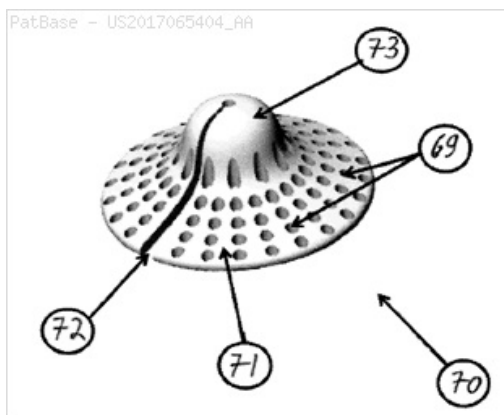
International (IPC 8-9): A61F A61F2/12 (Advanced/Invention);

A61F (Subclass/Invention)

CPC: A61F2230/0067 A61F2230/0091 A61F2210/0014

A61F2230/0093 A61F2/12

US: 623/8



Family:

Publication number	Publication date	Application number	Application date
BR112016027138 A2	20170815	BR20161127138	20150520
CN106456317 A	20170222	CN201580023281	20150520
CN106456317 B	20180529	CN201580023281	20150520
EP3145447 A1	20170329	EP20150796491	20150520
EP3145447 A4	20180103	EP20150796491	20150520
HK1234306 A1	20180215	HK20170108208	20170817
IL248719 A0	20170131	IL20150248719	20150520
IN201647042915 A	20170106	IN201647042915	20161216
KR20170007378 A	20170118	KR20167034590	20150520
RU2016148436 A	20180622	RU20160148436	20150520
US2017065404 AA	20170309	US20150307837	20150520
WO15177796 A1	20151126	WO2015IL50535	20150520

Priority:

US20140000561P 20140520 US20150307837 20150520 WO2015IL50535 20150520

Probable Assignee: FIXNIP LTD

Assignee(s): (std): FIXNIP LTD ; KORKOS DANIEL ; NETTA CHAIM YAGIL ; OFIR GIL

Inventor(s): (std): KORKOS DANIEL ; NETTA CHAIM YAGIL ; OFIR GIL
Inventor(s): YAGIL NETTA CHAIM ; DANIEL KORKOS ; GIL OFIR
Agent(s): PEARL COHEN ZEDEK LATZER BARATZ UK LLP; KANGXIN IP LTD; BARKAI YOSI 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

22) Family number: 49151075 (US2011159067A)

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Title: HYDROPHOBIC POLYSACCHARIDES WITH PENDENT GROUPS HAVING TERMINAL REACTIVE FUNCTIONALITIES AND MEDICAL USES THEREOF

Abstract: Hydrophobic a(1-4)glucopyranose polymers useful for the preparation of implantable or injectable medical articles are described. The hydrophobic a(1-4)glucopyranose polymer includes pendent groups having hydrocarbon groups and terminal amine or hydroxyl groups. Biodegradable matrices can be formed from these polymers, and the matrices can be used for the preparation of implantable and injectable medical devices wherein the matrix is capable of degrading in vivo. Matrices including and capable of releasing a bioactive agent in vivo are also described.

Classifications:

International (IPC 8-9): A61F13/00 C07H1/00 (Advanced/Invention)

CPC: A61L27/20 A61L27/58 A61L29/043 A61L29/148 A61L31/042 A61L31/148 C07H13/04

European: A61L27/20 A61L27/58 A61L29/04D A61L29/14K A61L31/04D A61L31/14K C07H13/04

US: 424/422 424/422P 536/123.1 536/123.100S

Family:

Publication number	Publication date	Application number	Application date
US2011159067 AA	20110630	US20100982214	20101230
US2012052107 A9	20120301	US20100982214	20101230
US8568760 BB	20131029	US20100982214	20101230

Priority:

US20090291172P 20091230 US20100982214 20101230

Probable Assignee: SURMODICS INC

Assignee(s): (std): ROLFES MEYERING EMILY R ; SURMODICS INC

Inventor(s): (std): ROLFES MEYERING EMILY R

Agent(s): KAGAN BINDER PLLC

23) Family number: 52104076 (US2013023876A)

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Title: COMBINATION PHOTODYNAMIC DEVICES

Abstract: Combination photodynamic devices for repair and stabilization of a fractured or a weakened bone are disclosed herein. In an embodiment, a combination photodynamic device includes a load bearing member and one or more conformable members connected to the load bearing member, the conformable member expandable from a deflated state to an inflated state. The load bearing member is designed to reside inside a cavity of fractured or weakened bone and act as internal bone fixation and stabilization device. The conformable member is designed to anchor the load bearing member inside a bone cavity, transform the load bearing member from a flexible state to a rigid state, contribute to fixating and stabilizing a fractured or a weakened bone, and provide longitudinal and rotational stability to a fractured or a weakened bone during the healing process or combinations thereof.

Classifications:

International (IPC 8-9): A61B17/56 A61B17/58 A61B17/68

A61B17/70 A61B17/72 A61B17/74 A61B17/88 A61F2/28 A61F2/30

A61F2/38 A61L27/00 A61M25/00 A61N1/30

A61N5/06 (Advanced/Invention);

A61F2/46 (Advanced/Non-invention)

CPC: A61B17/7258 A61B17/8836 A61B17/72753 A61B17/7291

A61F2002/30583 A61F2/30 A61B17/7079 A61B17/7233 A61B17/7283

A61F2002/4631 A61F2/30749 A61F2/3804 A61F2002/30934

A61B17/7216 A61F2210/0085 A61F2/30724 A61B17/7097

A61B17/7275 A61N5/062 A61N2005/0612 A61B17/8855 A61B17/72

A61B17/74 A61B17/8858 A61N5/06

US: 1/1 604/20 604/21 606/262 606/62 606/63 606/93 623/18.11 623/23.42 623/23.43 623/23.58

JP F-Term: 4C081 4C081/AB04 4C081/AC03 4C081/BB08

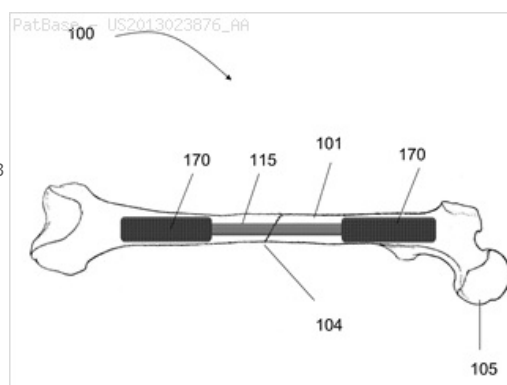
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4C097/AA01 4C097/BB01 4C097/EE20 4C160 4C160/LL21

4C160/LL42 4C160/LL70

JP F-Index: A61B17/56 A61B17/58 A61B17/70 A61B17/72

A61F2/28 A61L27/00/F A61L27/16 A61L27/36/311 A61L27/50



Family:

Publication number	Publication date	Application number	Application date
AU2012283910 AA	20130124	AU20120283910	20120719
BR112014001078 A2	20170221	BR20141101078	20120719
CA2841962 AA	20140114	CA20122841962	20120719
CN103687645 A	20140326	CN201280035846	20120719
DE602012041176 D1	20180125	DE201260041176T	20120719
EP2734133 A1	20140528	EP20120814466	20120719
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EP2734134 A1	20140528	EP20120814468	20120719
EP2734266 A1	20140528	EP20120814196	20120719
EP2734266 A4	20150114	EP20120814196	20120719

EP2734266 B1	20171220	EP20120814196	20120719
GB201212851 A0	20120905	GB20120012851	20120719
GB2493100 A1	20130123	GB20120012851	20120719
GB2493100 B2	20140820	GB20120012851	20120719
JP2014533965 T2	20141218	JP20140521794T	20120719
US2013023876 AA	20130124	US20120553051	20120719
US2013023886 AA	20130124	US20120553247	20120719
US2013041472 AA	20130214	US20120655808	20121019
US2013046390 AA	20130221	US20120553450	20120719
US2015088268 AA	20150326	US20140550051	20141121
US2015374498 AA	20151231	US20150843286	20150902
US2016128836 AA	20160512	US20160988058	20160105
US8936644 BB	20150120	US20120655808	20121019
US9144442 BB	20150929	US20120553450	20120719
US9254195 BB	20160209	US20140550051	20141121
US9775661 BB	20171003	US20120553247	20120719
US9855145 BB	20180102	US20160988058	20160105
WO13013069 A1	20130124	WO2012US47444	20120719
WO13013071 A1	20130124	WO2012US47446	20120719
WO13013072 A1	20130124	WO2012US47447	20120719
WO13059609 A1	20130425	WO2012US61047	20121019

Priority:

US20110509314P 20110719	US20110509391P 20110719	US20110509459P 20110719
US20110548945P 20111019	EP20120814196 20120719	US20120553051 20120719
US20120553247 20120719	US20120553450 20120719	WO2012US47446 20120719
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US20140550051 20141121	US20150843286 20150902	US20160988058 20160105

Probable Assignee: ILLUMINOSS MEDICAL INC

Assignee(s): (std): GAUSEPOHL THOMAS ; IIUMINOSS MEDICAL INC ; ILLUMINOSS MEDICAL INC ; ILLUMINSOSS MEDICAL INC ; RADER RICHARD SCOTT ; RABINER ROBERT A

Assignee(s): ILLUMINOSS MEDICAL INC EAST PROVIDENCE

Inventor(s): (std): DIPOTO GENE P ; GAUSEPOHL THOMAS ; RABINER ROBERT A ; RADER RICHARD SCOTT ; RICHARD SCOTT RADER ; ROBERT A RABINER

Inventor(s): RADER RICHARD SCOTT WAYLAND ; RABINER ROBERT A TIVERTON

Agent(s): WRAYS; TORYS LLP; OLSWANG GERMANY LLP; HOLLYWOOD JANE CONSTANCE; CMS CAMERON MCKENNA NABARRO OLSWANG LLP; YAMAZAKI HIROSHI; MAEHORI YOSHIYUKI; NAKAKURA YUKINORI; TANAKA MITSUO; GREENBERG TRAUIG LLP; ROMAN; DAVID J; DYKEMAN DAVID J

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

24) Family number: 55474077 (US2014000266A)

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Title: GAS TURBINE FUEL NOZZLE END COVER USING AU-NI BRAZE AND METHOD PRODUCING SAME

Abstract: A brazed end cover assembly for a gas turbine combustor using Au-Ni braze is disclosed. The end cover assembly may include an end cover with openings, a flow **insert**, first and second gaps between the end cover and the flow **insert**, and first and second braze joints formed at the first and second gaps, wherein the braze materials used comprises Au and Ni. A method of brazing a flow **insert** into an end cover is also disclosed. The method may include providing an end cover and a flow **insert** with first and second gaps therebetween; applying a braze material to an outer surface of the flow **insert**, wherein the braze material comprises Au and Ni; **inserting** the flow **insert** into the end cover; heating the assembly to a brazing temperature for some time; and cooling the resulting brazed assembly to room temperature.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61L24/00 A61L24/04

A61M35/00 B23K1/00 B23K1/008 B23K1/20 B23K31/02 B23K37/00

F02C7/00 F23R3/00 F23R3/46 (Advanced/Invention);

B23K101/00 B23K103/04 (Advanced/Non-invention)

CPC: A61L24/046 A61L27/14 A61L27/56 A61L31/04 A61L31/146

A61L2300/418 A61L2400/04 A61L2430/22 A61L24/0015

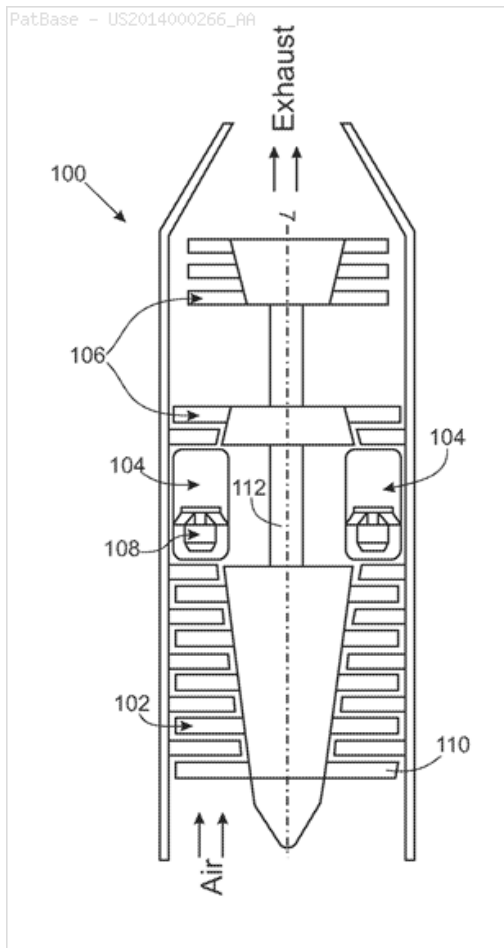
A61L24/0036 B23K1/0018 B23K1/008 B23K1/206 F23R3/46

F23R2900/00018 B23K2101/001 B23K2103/05 B23K2201/001

B23K2203/05

US: 148/528 228/102 228/122.1 228/126 228/205 228/262.31

378/59 60/739 60/752 604/500

**Family:**

Publication number	Publication date	Application number	Application date
US2014000266 AA	20140102	US20120536577	20120628
US2014316367 AA	20141023	US20140215988	20140317
US9623143 BB	20170418	US20140215988	20140317
US10131010 BB	20181120	US20120536577	20120628
WO14011265 A2	20140116	WO2013US35436	20130405
WO14011265 A3	20140320	WO2013US35436	20130405

Priority:

US20110554181P	20111101	US20120536557	20120628	US20120536577	20120628
US20130852053P	20130315	US20130852225P	20130315	US20130852367P	20130315
US20140215988	20140317				

Probable Assignee: PRATT AND WHITNEY

Assignee(s): (std): ARSENAL MEDICAL INC ; BONNER DANIEL K ; BUSOLD RANY ; CAULKINS JOHN ; DILLARD GARY J ; PRATT AND WHITNEY ; UNITED TECHNOLOGIES CORP ; RAGO ADAM ; SHARMA UPMA ; MORTENSEN JENNIFER ; FREYMAN TOBY ; MCGILL MEGHAN ; ZAMIRI PARISA ; UNITED TECH CORP ; ZUGATES GREGORY T

Assignee(s): UNITED TECHNOLOGIES CORP

Inventor(s): (std): ZUGATES GREGORY T ; ZAMIRI PARISA ; SHARMA UPMA ; RAGO ADAM ; MORTENSEN JENNIFER ; MCGILL MEGHAN ; FREYMAN TOBY ; DILLARD GARY J ; CAULKINS JOHN ; BUSOLD RANY ; BONNER DANIEL K

Agent(s): CANTOR COLBURN LLP; MILLER THOMAS A

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

25) Family number: 55802079 (US2014048073A)

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Title: INTRAUTERINE CONTRACEPTIVE DEVICE

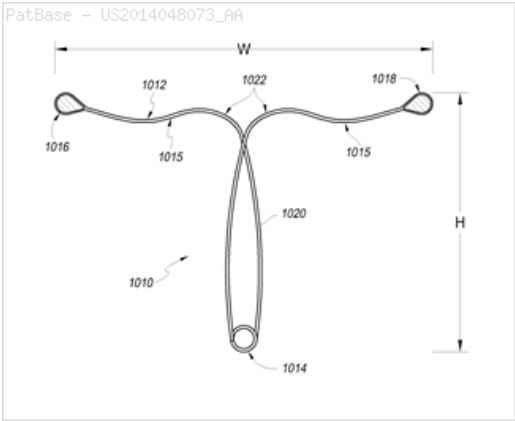
Abstract: A method for promoting contraception by placing a contraceptive device within a uterus without blocking fallopian tubes may involve advancing a distal end of a **delivery** device through a cervix, advancing the contraceptive device comprising an elongate shape memory member out of the distal end of the **delivery** device and into the uterus, and limiting inferior migration of the contraceptive device within the uterus. Inferior migration may be limited by allowing the contraceptive device to assume a shape, when subjected to pressure that tends to cause a downward migration of the device within the uterus, in which an expandable middle portion of the device is expanded to contact the inner wall of the uterus and thus limit the downward migration of the device.

Classifications:

International (IPC 8-9): A61F6/06 A61F6/14

A61F6/18 (Advanced/Invention);

A61F6/18 (Advanced/Non-invention)



Family:

Publication number	Publication date	Application number	Application date
AU2013302805 AA	20140220	AU20130302805	20130813
AU2013302805 BB	20171012	AU20130302805	20130813
AU2018200234 AA	20180201	AU20180200234	20180111
BR112015003094 A2	20170704	BR20151103094	20130813
CA2881162 AA	20150206	CA20132881162	20130813
EP2884951 A2	20150624	EP20130829987	20130813
EP2884951 A4	20160608	EP20130829987	20130813
MX2015001938 A1	20151012	MX20150001938	20130813
US2014048073 AA	20140220	US20120585039	20120814
US2014048074 AA	20140220	US20130795940	20130312
US2015313753 AA	20151105	US20150796965	20150710
US2015335465 AA	20151126	US20150818434	20150805
US2016331579 AA	20161117	US20160217295	20160722
US9089418 BB	20150728	US20130795940	20130312
US9265652 BB	20160223	US20120585039	20120814
US9427351 BB	20160830	US20150796965	20150710
WO14028499 A2	20140220	WO2013US54743	20130813
WO14028499 A3	20140410	WO2013US54743	20130813

Priority:

US20120585039 20120814	US20130795940 20130312	AU20130302805 20130813
WO2013US54743 20130813	US20150796965 20150710	US20150818434 20150805
US20160217295 20160722	AU20180200234 20180111	

Probable Assignee: CONTRAMED LLC

Assignee(s): (std): CONTAMED LLC ; CONTRAMED LLC ; DEBISSCHOP MARK JAMES ; SHIKHMAN OLEG ; TAL MICHAEL ; KATZ BOB H ; WILSON PETE

Assignee(s): NOVA QUEST CO INVESTMENT FUND VII LP ; SEBELA VLC LTD

Inventor(s): (std): BOB H KATZ ; DEBISSCHOP MARK JAMES ; KATZ BOB ; KATZ BOB H ; MARK JAMES DEBISSCHOP ; MICHAEL TAL ; OLEG SHIKHMAN ; PETE WILSON ; SHIKHMAN OLEG ; TAL MICHAEL ; WILSON PETE ; WILSON PETER

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; KAZI ILYA; DORSEY AND WHITNEY LLP; SCOTT M; 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 DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW 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

26) Family number: 53661081 (US2013110222A)

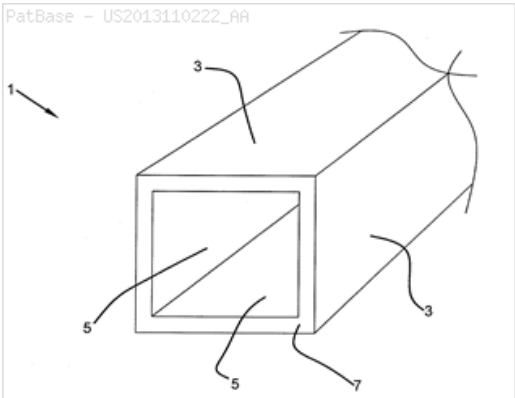
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Title: MEDICAL DEVICES INCLUDING SUPERHYDROPHOBIC OR SUPEROLEOPHOBIC SURFACES

Abstract: The present invention relates to medical devices including a superhydrophobic surface or coating, a superoleophobic surface or coating, a coating or surface that is both superhydrophobic and superoleophobic, or a combination of such coatings and surfaces. Such a coating or surface can impart advantageous lubricity, hemocompatibility, or both to the medical device or its surface.

Classifications:

International (IPC 8-9): A61F2/95 (Advanced/Invention)
CPC: A61F2/95 A61L29/08 A61L29/14 A61L31/08 A61L31/14 A61L2400/10 A61L2400/12 A61L2400/18
US: 623/1.11



Family:

Publication number	Publication date	Application number	Application date
US2013110222 AA	20130502	US20120588118	20120817

Priority:

US20110525491P 20110819 US20120588118 20120817

Probable Assignee: SURMODICS INC

Assignee(s): (std): SLAGER JORAM

Assignee(s): SURMODICS INC

Inventor(s): (std): SLAGER JORAM

27) Family number: 24156089 (US6482309B)

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Title: Electrolytic generation of nascent iodine as a method of treatment and for the prevention of infections associated with medical implant devices

Abstract: An anti-infective device generally comprising an oxidant generating formulation contained within at least a section of the device configured to electrolytically generate an anti-infective oxidant. The device has at least one of a cathode member and an anode member in the section of the device, configured to electrolyze the oxidant generating formulation to electrolytically generate the anti-infective oxidant. A power source is electrically connected to the cathode and anode members such that current passes between the cathode and anode members. In one embodiment, the oxidant generating formulation comprises a solid dispersed in a polymeric wall of the device. In a presently preferred embodiment, the cathode and anode members are completely embedded within the polymeric wall of the device, although in some embodiments they may be partially embedded within the polymeric wall of the device. In another embodiment, the oxidant generating formulation comprises a solution contained within a chamber in the device. The cathode and anode members are located within the chamber in contact with the solution. The electrolytically generated anti-infective substance is preferably elemental iodine. In one embodiment, the oxidant generating formulation comprises an iodide, which is oxidized at the anode member. In another embodiment, the oxidant generating formulation comprises an iodate which is reduced at the cathode member. Preferably, a proton donor is also present in the iodate containing oxidant generating formulation.

Classifications:

International (IPC 8-9): A61F2/00 A61L2/02 A61L2/03 A61L2/16 A61L2/18 A61M1/00 A61M25/00 C02F1/461 C02F1/467 C25B1/24 C25B9/00 (Advanced/Invention);

A61F2/00 A61L2/02 A61L2/16 A61M1/00 A61M25/00 C25B9/00 (Advanced/Non-invention)

International (IPC 1-7): A61F2/00 A61K9/00 A61L2/00 A61L2/02 A61L2/03 A61L2/16 A61L2/18 A61L29/16 A61M1/00 A61M25/00 C25B1/24 C25B9/00

CPC: A61L2/035 A61L2/18 C02F1/46104 C02F1/4672 C02F1/4674 C02F2201/46165 C02F2303/04

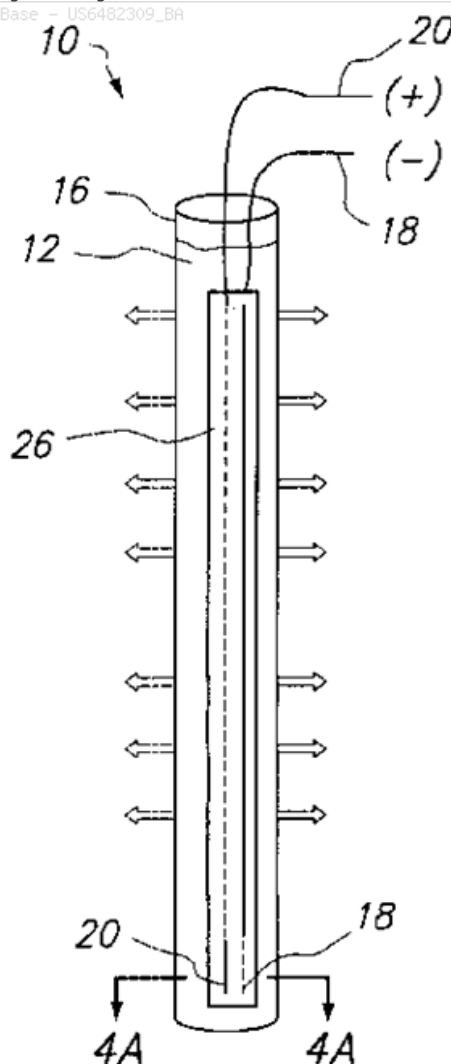
European: A61L2/03E A61L2/18 C02F1/461B C02F1/467B2 M02F1/467B M02F1/467B2 M02F201/461B10B M02F303/04

US: 204/242 204/260 204/272 205/619 205/701

JP F-Term: 4C058 4C058/AA12 4C058/BB07 4C058/EE26 4C058/JJ03 4C058/JJ04 4C067 4C077 4C077/AA19 4C077/DD21 4C077/EE04 4C077/KK09 4C077/PP24 4C097 4C097/AA14 4C097/AA20 4C097/AA30 4C097/BB10 4C167 4C167/AA01 4C167/AA39 4C167/BB06 4C167/BB14 4C167/BB42 4C167/CC06 4C167/CC08 4C167/CC26 4C167/GG26 4C167/HH10 4K021 4K021/AA02 4K021/BA01 4K021/BA03 4K021/BB01 4K021/BB02 4K021/BB03 4K021/CA01 4K021/CA06 4K021/DA05 4K021/DA13 4K021/DC15 4K021/EA07

JP F-Index: A61F2/00 A61L101/08 A61L2/02/Z A61L2/16/Z A61L2/18 A61M1/00/160 A61M1/00/520 A61M1/00/550 A61M1/00/580 A61M25/00/309/Z A61M25/16 C25B1/24/C C25B9/00/Z

PatBase - US6482309_BA

**Family:**

Publication number	Publication date	Application number	Application date
AT284226 E	20041215	AT20000986830T	20001020
AU200123002 A1	20010430	AU20010023002	20001020
AU200123002 A5	20010430	AU20010023002D	20001020
DE60016619 D1	20050113	DE20006016619	20001020

DE60016619 D1	20050113	DE20006016619T	20001020
DE60016619 T2	20051110	DE20006016619T	20001020
EP1221980 A2	20020717	EP20000986830	20001020
EP1221980 B1	20041208	EP20000986830	20001020
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WO0128598 A2	20010426	WO2000US41443	20001020
WO0128598 A3	20020314	WO2000US41443	20001020
WO0128598 C1	20031023	WO2000US41443	20001020
WO0128598 C2	20020801	WO2000US41443	20001020

Priority:

US19990160555P 19991020 US20000694110 20001019 WO2000US41443 20001020

Probable Assignee: OXIBIO INC

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Inventor(s): (std): GREEN R ; GREEN TERRENCE R ; FELLMAN JACK H ; FELLMAN JACK

Inventor(s): TERRENCE R GREEN ; JACK FELLMAN

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

28) Family number: 33486094 (US2002016625A)

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Title: DRUG/DRUG **DELIVERY** SYSTEMS FOR THE PREVENTION AND TREATMENT OF VASCULAR DISEASE

Abstract: A drug and drug **delivery** system may be utilized in the treatment of vascular disease. A local **delivery** system is coated with rapamycin or other suitable drug, agent or compound and delivered intraluminally for the treatment and prevention of neointimal hyperplasia following percutaneous transluminal coronary angiography. The local **delivery** of the drugs or agents provides for increased effectiveness and lower systemic toxicity.

Classifications:

International (IPC 8-9): A61B17/00 A61F2/06 A61F2/82 A61F2/84 A61F2/90 A61K31/365 A61K31/4353 A61K31/436 A61K31/453 A61K31/553 A61K31/727 A61K38/00 A61K45/00 A61K45/06 A61K47/30 A61K47/32 A61K47/48 A61K48/00 A61L31/00 A61L31/16 A61M31/00 A61P21/00 A61P29/00 A61P43/00 A61P7/02 A61P9/00 A61P9/10 C07D401/04 C07D498/18 C07D498/22 (Advanced/Invention); A61F2/00 (Advanced/Non-invention)

International (IPC 1-7): A61F2/06 A61K31/436 A61K47/48 A61L31/00 A61L31/16 A61M29/02 A61M31/00 A61P29/00 A61P43/00 A61P7/02 A61P9/00 A61P9/10

CPC: A61L31/10 A61L31/16 A61F2/91 A61F2/915 A61F2002/91541 A61F2250/0067 A61F2250/0068 A61F2310/0097 A61K31/436 A61K31/727 A61K45/06 A61L2300/41 A61L2300/416 A61L2300/602 A61L2300/606

European: A61F2/06S6N2 A61F2/91 A61F2/915 A61K31/436 A61K31/727 A61K45/06 A61L31/16 K61F2/06S6N2 K61F2/91 K61F2/915F2 K61F250/00W5 K61F250/00W5R K61F310/00L33 K61L300/410 K61L300/416 K61L300/602 K61L300/606

US: 128/898 128/898S 623/1.13 623/1.130P 623/1.38 623/1.380S 623/1.46

JP F-Term: 4C076 4C076/AA95 4C076/BB32 4C076/CC11 4C076/EE59 4C076/FF68 4C081 4C081/AC06 4C081/BA01 4C081/CE03 4C086 4C086/AA01 4C086/AA02 4C086/CB25 4C086/MA01 4C086/MA04 4C086/MA67 4C086/NA10 4C086/NA12 4C086/ZA36 4C086/ZA40 4C086/ZA54 4C086/ZB05 4C086/ZB11 4C086/ZB21 4C167 4C167/AA44 4C167/AA46 4C167/AA50 4C167/AA52 4C167/AA74 4C167/BB02 4C167/BB05 4C167/BB26 4C167/CC04 4C167/CC08 4C167/CC09 4C167/DD01 4C167/EE08 4C167/GG16 4C201 4C267

JP F-Index: A61F2/915 A61K31/436 A61K47/48 A61K47/50 A61L31/00/Z A61L31/10 A61L31/16 A61M29/02 A61P29/00 A61P43/00/105 A61P43/00/111 A61P7/02 A61P9/00 A61P9/10 A61P9/10/101

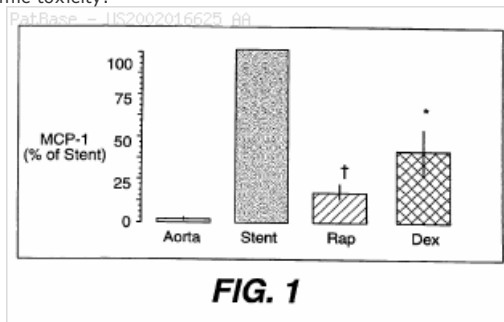


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
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AU2001259774 BB	20050825	AU20010259774	20010514
AU200159774 A1	20011126	AU20010059774	20010514
AU200159774 A5	20011126	AU20010059774	20010514
CA2408608 AA	20021112	CA20012408608	20010514
CA2408608 AA	20011122	CA20012408608	20010514
EP1280568 A1	20030205	EP20010933342	20010514
JP2003533494 T2	20031111	JP20010583837T	20010514
JP5579353 B2	20140827	JP20010583837T	20010514
MXPA02011187 A1	20040819	MX2002PA11187	20010514
US2002016625 AA	20020207	US20010850232	20010507
US6776796 BB	20040817	US20010850232	20010507
WO0187373 A1	20011122	WO2001US15559	20010514

Priority:

US20000204417P 20000512 US20000575480 20000519 US20010262461P 20010118 US20010263806P 20010124 US20010263979P 20010125
US20010850232 20010507 US20010850507 20010507 US20010850293 20010507
US20010850365 20010507 WO2001US15559 20010514

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

29) Family number: 54384096 (US2013190892A)

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Title: ENDOLUMENAL ESOPHAGEAL RESTRICTION DEVICE

Abstract: Generally described herein are apparatus, systems and methods related to a novel esophageal device implantable in the patient's body and designed to replicate the restrictive and satiety mechanism associated with gastric banding systems known in the art. The device can be a compliant and tubular-shaped and fixated within the gastro-esophageal lumen using tissue anchors.

Classifications:

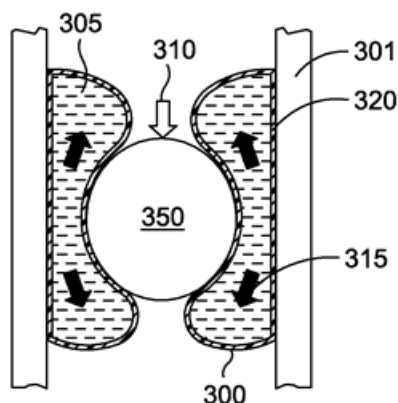
International (IPC 8-9): A61F2/04 A61F5/00 (Advanced/Invention)

CPC: A61F5/003 A61F5/005 A61F2220/0016 A61F2220/0083

A61F5/0076 A61F5/0079

US: 1/1 600/37 604/8 606/191 623/23.68

PatBase - US2013190892_AA



Family:

Publication number	Publication date	Application number	Application date
AU2013212394 AA	20130801	AU20130212394	20130122
AU2013212394 BB	20170105	AU20130212394	20130122
CA2861072 AA	20140711	CA20132861072	20130122
CN104271082 A	20150107	CN201380016118	20130122
CN104271082 B	20160427	CN201380016118	20130122
CN106388985 A	20170215	CN201610177625	20130122
EP2806835 A1	20141203	EP20130703664	20130122
US2013190892 AA	20130725	US20120356401	20120123
US2016022460 AA	20160128	US20150874584	20151005
US9149383 BB	20151006	US20120356401	20120123
US9655757 BB	20170523	US20150874584	20151005
WO13112450 A1	20130801	WO2013US22500	20130122

Priority:

US20120356401 20120123 CN201380016118 20130122 WO2013US22500 20130122
US20150874584 20151005

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Inventor(s): SCHWAB JUSTIN JUS ; HOOVER JASONUS ; DOMINGUEZ ZACHARY PUS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; HOFFMANN EITL; GORDON AND JACOBSON PC; DONOVAN STEPHEN ET AL

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

30) Family number: 34329101 (US2007065481A)

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Title: COATINGS INCLUDING NATURAL BIODEGRADABLE POLYSACCHARIDES AND USES THEREOF

Abstract: Biodegradable coatings and articles that include natural biodegradable polysaccharides are described. The coatings and articles are formed from a plurality of natural biodegradable polysaccharides having pendent coupling groups.

Classifications:

International (IPC 8-9): A61B17/12 A61F2/00 A61F2/02 A61F2/06

A61F2/14 A61F2/84 A61F9/007 A61K31/7088 A61K31/715

A61K35/12 A61K38/02 A61K39/395 A61K47/36 A61K47/40

A61K9/00 A61K9/14 A61K9/20 A61L24/08 A61L27/00 A61L27/20

A61L27/54 A61L29/00 A61L31/00 A61L31/04 A61L31/10 A61L31/14

Figure 1 is a line graph showing Cumulative BSA release (%) on the y-axis (0 to 40) versus Timepoint (Days) on the x-axis (1 to 41). The release starts at 0% at day 0, remains low until day 6, then increases steadily to approximately 35% by day 41. An arrow labeled "Amylase Started" points to the data point at day 7.

Timepoint (Days)	Cumulative BSA release (%)
0	0
1	0
2	0
3	0
4	0
5	0
6	0
7	5
8	6
9	8
10	10
11	12
12	14
13	16
14	18
15	20
16	22
17	24
18	26
19	28
20	30
21	31
22	32
23	33
24	34
25	35
26	35
27	35
28	35
29	35
30	35
31	35
32	35
33	35
34	35
35	35
36	35
37	35
38	35
39	35
40	35
41	35

JP F-Term: 4C081 4C081/AB01 4C081/AC08 4C081/AC09
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4C097/AA28 4C097/BB01 4C097/CC03 4C097/DD06 4C097/DD09 4C097/DD10 4C097/EE16 4C097/FF05 4C097/FF11
4C097/FF17 4C167 4C167/AA05 4C167/AA42 4C167/BB06 4C167/EE08 4C167/GG16 4C167/HH22 4C076 4C076/AA94
4C076/AA99 4C076/BB24 4C076/BB32 4C076/EE30 4C076/FF02 4C076/FF31 4C076/FF68 4C076/GG01 4C076/GG23 4C078
4C081/AB21 4C081/CA02 4C081/CA03 4C081/CA08 4C081/CA10 4C081/CD26 4C081/DA02 4C081/DA15 4C081/EA13
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JP F-Index: A61F2/07 A61F2/82 A61L27/00/V A61L27/20 A61L27/22 A61L27/34 A61L27/44 A61L27/54 A61L27/58
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A61B17/00/320 A61B17/00/500 A61B17/12 A61B19/00/511 A61F6/22 C08F299/00 A61F2/06 A61L27/00/P A61L27/14
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Publication number	Publication date	Application number	Application date
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AT540705 E	20120115	AT20050849204T	20051111
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CN101316619 A	20081203	CN200680043348	20060921
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WO07035886 A1	20070329	WO2006US36861	20060921
WO07038126 A1	20070405	WO2006US36632	20060921
WO07040557 A1	20070412	WO2005US40927	20051111

Priority:

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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 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 NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

31) Family number: 30902104 (US2003163079A)

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Title: VESICULAR SHUNT FOR THE DRAINAGE OF EXCESS FLUID

Abstract: A transvesicular drainage device, designed to drain excess fluid from a variety of locations in the human body into the bladder. The device may be used to treat ascites or any fluid collection within the body of a human, or a non human mammal.

Classifications:

International (IPC 8-9): A61B1/00 A61B17/00 A61B17/04 A61B17/08 A61B17/12 A61B18/18 A61B19/00 A61B5/00 A61B5/07 A61B5/145 A61B6/00 A61F2/00 A61F2/02 A61F2/04 A61F2/12 A61F2/48 A61F2/82 A61F5/00 A61K9/00 A61K9/14 A61K9/22 A61M1/00 A61M1/28 A61M27/00 A61M29/00 A61M29/02 A61M31/00 A61M37/00 A61M39/24 A61M5/00 A61M5/142 A61M5/178 A61N1/00 A61N1/05 A61N1/36 A61N1/375 C12Q1/68

G08B23/00 (Advanced/Invention);

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G08B23/00 (Core/Invention);

A61F A61M (Subclass/Invention)

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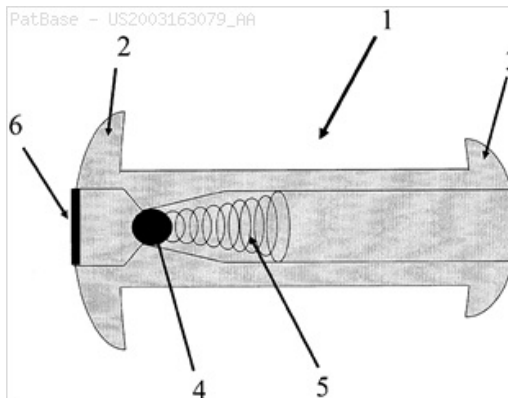
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Family:

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

32) Family number: 53031107 (WO13023051A1)

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Title: METHODS AND COMPOSITIONS FOR IMPROVING THE BIOCOMPATABILITY OF BIOMEDICAL **IMPLANTS**

Abstract: A composition for reducing the foreign body response of a tissue adjance to an implantable device includes a tyrosine kinase inhibitor and a matrix. The matrix is adapted to release the tyrosine kinase inhibitor directly into the tissue at a controlled rate.

Classifications:

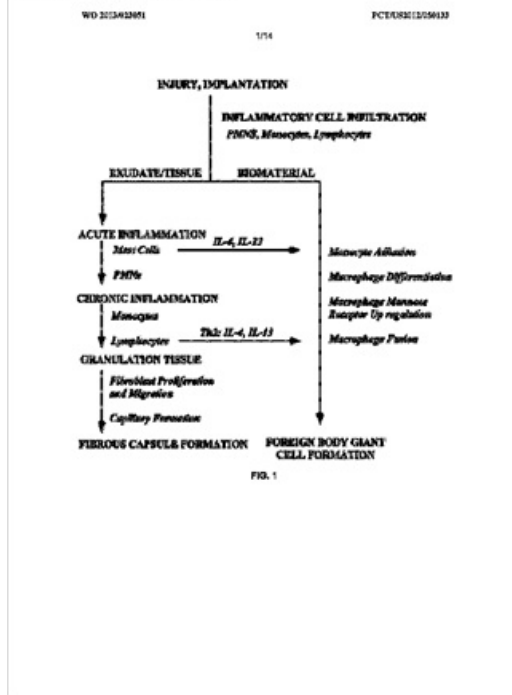
International (IPC 8-9): A61F2/00 A61F2/02

A61F2/28 (Advanced/Invention)

CPC: A61L27/54 A61L27/58 A61L29/085 A61L29/148 A61L29/16

A61L31/10 A61L31/148 A61L31/16 A61L2300/434 A61L2300/604

A61L2300/622 A61L2420/04 A61L27/34

**Family:**

Publication number	Publication date	Application number	Application date
WO13023051 A1	20130214	WO2012US50133	20120809

Priority:

US20110574754P 20110809 US20110543089P 20111004

Probable Assignee: UNIV UTAH RES FOUND

Assignee(s): (std): RAO ARCHANA NAGARAJA ; SOLZBACHER FLORIAN ; UNIV UTAH RES FOUND ; AVULA MAHENDER NATH ; GRAINGER DAVID W

Assignee(s): OF UTAH RESEARCH FOUNDATION UNIV ; UNIVERSITY OF UTAH RESEARCH FOUNDATION

Inventor(s): (std): AVULA MAHENDER NATH ; GRAINGER DAVID W ; RAO ARCHANA NAGARAJA ; SOLZBACHER FLORIAN

Agent(s): LANGER 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 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

33) Family number: 31312113 (US2004015109A)

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Title: BREAST COMPRESSING DEVICE

Abstract: A device for compressing a breast. The device includes a harness able to be releasably secured to a body of a user and a compression member adjustably connected to the harness for receiving the breast of the user. A control module is releasably secured to the harness for providing a pressure to the compression member for applying an equal compression force to the breast. The compression member includes a first compressing element positioned on a first side of the breast; a second compressing element positioned on a second side of the breast opposite the first compressing element; and a structural member extending between the first and second compressing elements for retaining the first and second compressing elements on respective sides of the breast whereby an aperture defined by the structural member and first and second compressing elements for receiving the breast therein. The harness includes a first strap for securing the device about a waist of the user and a shoulder strap adjustably connected to the first strap for retaining the compression member aligned with the breast of the user. The structural member includes a first length adjustable structural element extending between a first end of both the first and second compressing elements and a second length adjustable structural member extending between a second end of both the first and second compressing elements. The control element includes a pump and supply line connected between the pump and both the first and second compressing elements for providing air pressure thereto.

Classifications:

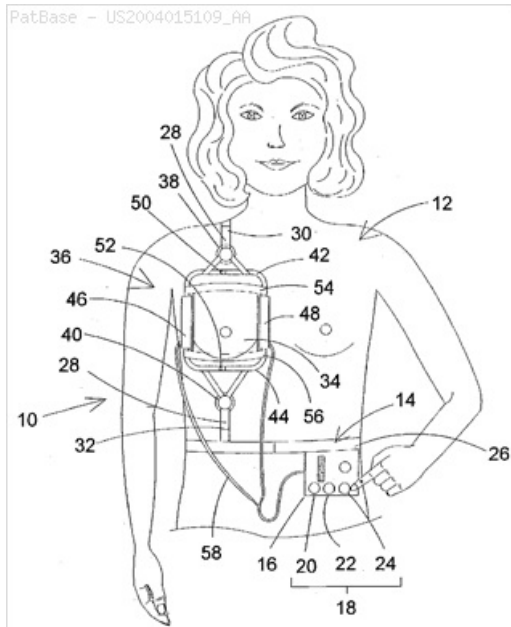
International (IPC 8-9): A41C3/10 A61B A61B17/08 A61C A61C3/10 A61H1/00 A61H19/00 A61H7/00 (Advanced/Invention); A61B17/00 A61F2/12 (Advanced/Non-invention); A41C3/00 A61B17/03 A61C3/00 A61H1/00 A61H7/00 (Core/Invention); A61F2/12 (Core/Non-invention)

International (IPC 1-7): A41C3/10 A61B17/08 A61C1/06 A61C3/10 A61H7/00

CPC: A61F2/12 A61H1/00 A61H2205/082

European: A61H1/00 K61F2/12 K61H205/08B

US: 450/45 450/45S 450/54 450/54S 601/133 601/133P 601/134 601/134S 606/201 606/201S

**Family:**

Publication number	Publication date	Application number	Application date
AU2003228370 AA	20041123	AU20030228370	20030325
EP1605834 A1	20051221	EP20030726118	20030325
HK1086736 A1	20060929	HK20060106988	20060620
HK1086736 A3	20060929	HK20060106988	20060620
US2004015109 AA	20040122	US20030400023	20030325
US2005251070 AA	20051110	US20050111086	20050420
US6540702 BA	20030401	US20000703606	20001101
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WO04096058 A1	20041111	WO2003US09286	20030325

Priority:

US20000703606 20001101 US20030400023 20030325 WO2003US09286 20030325
 US20050111086 20050420

Probable Assignee: DERMATA THERAPEUTICS LLC**Assignee(s):** (std): SARANGO MARIA ; VILLANI MARIA**Assignee(s):** VILLANI MARIA MD ; DERMATA THERAPEUTICS LLC ; PERRICONE NICHOLAS V MD**Inventor(s):** (std): VILLANI MARIA ; SARANGO MARIA**Inventor(s):** MARIA SARANGO**Agent(s):** LUNG TIN INT PATENT AND TRADEMARK AGENT LTD; PRESTON GATES AND ELLIS LLP; K AND L GATES; CULLMAN LOUIS C; GLASKY MICHELLE S; MICHELLE S; LOUIS C**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW**34) Family number: 49151119 (US2011159101A)**

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Title: SILYL ETHER-MODIFIED HYDROPHILIC POLYMERS AND USES FOR MEDICAL ARTICLES**Abstract:** Silane-functionalized hydrophilic polymers and polymeric matrices are described. Hydrophilic matrices can be formed from the polymers, and can be used in association with the preparation of implantable and injectable medical devices. Exemplary devices include those having a durable lubricious coating formed from the hydrophilic polymers.**Classifications:****International (IPC 8-9):** A61F2/02 A61K9/02 A61K9/14 A61L27/00 A61L29/08 A61L29/14 B05D3/00 B05D3/02 B05D7/24 (Advanced/Invention)**CPC:** A61L29/085 A61L2400/10 C09D143/04 C09D201/10**European:** A61L29/08B C09D143/04 C09D201/10 K61L400/10**US:** 424/426 424/486 424/486P 427/2.1 427/2.100S**Family:**

Publication number	Publication date	Application number	Application date
DE602010040117 D1	20170330	DE201060040117T	20101230
EP2519270 A1	20121107	EP20100798706	20101230
EP2519270 B1	20170215	EP20100798706	20101230
US2011159101 AA	20110630	US20100981885	20101230
US2012052123 A9	20120301	US20100981885	20101230
US8475843 BB	20130702	US20100981885	20101230
WO11082296 A1	20110707	WO2010US62489	20101230

Priority:

US20090291640P 20091231 EP20100798706 20101230 US20100981885 20101230
 WO2010US62489 20101230

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Agent(s): SCHIWECK WEINZIERL AND KOCH; KAGAN BINDER PLLC; WEAVER PAUL 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 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

35) Family number: 34438128 (US2007098755A)

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Title: TISSUE AUGMENTATION DEVICES AND METHODS

Abstract: Tissue augmentation devices, as well as methods of manufacturing and using the same, are disclosed. In certain embodiments, a tissue augmentation device comprises an elongate tissue penetrating member and an amount of remodelable material, wherein at least a portion of the elongate member is cannulated, and at least a portion of the amount of material is received within at least a portion of the cannulated portion of the elongate member. The elongate tissue penetrating member may provide at least one deformation that is configured to constrict portions of the amount of remodelable material received within the elongate member. In alternate embodiments, a flexible covering over an implantable biomaterial provides protection and allows an easier **delivery** of the biomaterial to a tissue tract.

Classifications:

International (IPC 8-9): A61F2/00 A61M31/00 A61M5/00 A61M5/158 C12N5/00 (Advanced/Invention);

A61B17/04 A61B17/06 A61B17/34 A61F2/02 A61L27/24 A61M25/01 A61M25/06 A61M31/00 A61M5/178 A61M5/32

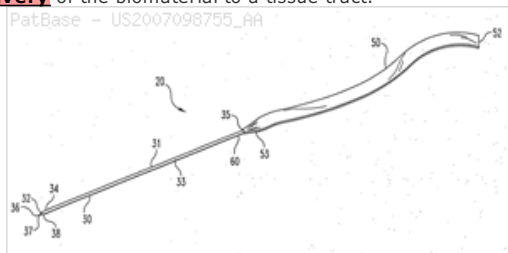
C12M1/00 (Advanced/Non-invention);

A61F2/00 A61M31/00 (Core/Invention)

CPC: A61F2/0059 A61B17/06004 A61B2017/06052 A61F2/02 A61L27/24 A61M5/32 A61M25/0662 A61M2025/018 Y10S623/915

European: A61F2/00C

US: 1/1 424/423 424/423P 424/426 435/283.1 435/325 604/272 604/272P 604/500 604/500S 606/185 606/227 606/229 606/232



Family:

Publication number	Publication date	Application number	Application date
US2007098755 AA	20070503	US20060481422	20060705
US2008248079 AA	20081009	US20080114456	20080502
US2011046576 AA	20110224	US20100939636	20101104
US7850985 BB	20101214	US20060481422	20060705
US8470356 BB	20130625	US20100939636	20101104
US9271817 BB	20160301	US20080114456	20080502

Priority:

US20050696606P 20050705 US20060481422 20060705 US20080114456 20080502
US20100939636 20101104

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Inventor(s): PATEL UMESH ; OBERMILLER F ; JOHNSON CHAD

Agent(s): WOODARD EMHARDT MORIARTY MCNETT AND HENRY LLP

36) Family number: 34385130 (US2007208134A)

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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

A61P17/02 (Advanced/Invention);

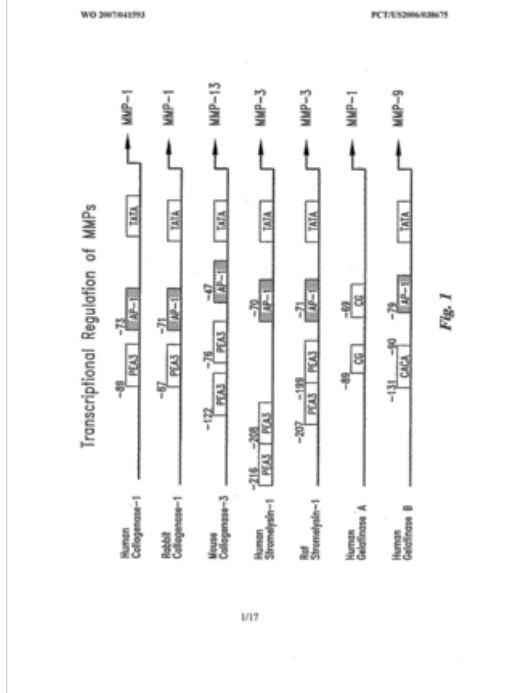
A61F2/02 A61F2/06 A61K31/57 A61K47/48

A61P17/00 (Core/Invention)

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

European: A61F2/00L A61K47/48W26

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

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Assignee(s): NICHOLS M

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

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

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 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

37) Family number: 33349142 (US2006204540A)

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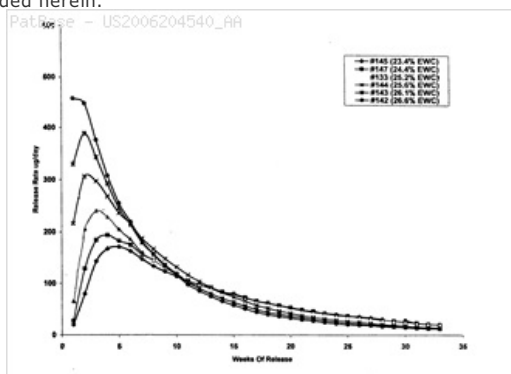
Title: CONTROLLED RELEASE FORMULATIONS OF OCTREOTIDE

Abstract: A formulation of octreotide or pharmaceutically acceptable salts thereof, which provides controlled release of a therapeutically effective amount of octreotide for a period of at least about two months. Methods of treating acromegaly, decreasing growth hormone, decreasing IGF-1, and treating conditions associated with carcinoid tumors and VIPomas by administering a controlled release formulation of octreotide are provided herein.

Classifications:

International (IPC 8-9): A61F2/00 A61F2/02 A61F2/04 A61K A61K31/403 A61K38/00 A61K38/04 A61K38/08 A61K38/12 A61K38/31 A61K47/04 A61K47/12 A61K47/14 A61K47/18 A61K47/26 A61K47/30 A61K47/32 A61K47/34 A61K47/36 A61K47/38 A61K47/40 A61K9/00 A61K9/06 A61K9/22 A61K9/50 A61K9/52 A61K9/66 A61K9/70 A61L27/14 A61M5/00 A61P A61P1/00 A61P1/04 A61P1/18 A61P11/00 A61P17/00 A61P19/02 A61P25/06 A61P27/02 A61P27/06 A61P3/10 A61P31/18 A61P35/00 A61P37/00 A61P5/00 A61P5/06 A61P5/08 A61P5/12 A61P5/50 A61P9/00 A61P9/12 (Advanced/Invention); A61F2/02 A61K38/08 A61K38/31 A61K47/32 A61K47/34 A61K9/00 A61K9/22 A61K9/50 A61P5/08 C07K7/64 (Advanced/Non-invention); A61F2/00 A61F2/02 A61F2/04 A61K31/403 A61K38/04 A61K38/08 A61K38/12 A61K38/31 A61K47/14 A61K47/32 A61K47/34 A61K47/38 A61K9/00 A61K9/06 A61K9/22 A61K9/50 A61K9/52 A61M31/00 A61P35/00 A61P5/00 (Core/Invention); A61K47/32 A61K47/34 (Core/Non-invention); A61K A61P (Subclass/Invention)

International (IPC 1-7): A61F2/02 A61K38/08 A61K9/00



CPC: A61K38/12 A61K47/34 A61K38/31 A61K9/0024 A61K47/32
European: A61K38/31 A61K47/32 A61K9/00M5D K61K47/32 K61K47/34
US: 424/422 424/422P 424/423 424/423P 424/461 424/462 514/1.1 514/1.100S 514/11.1 514/11.3 514/11.300S 514/16 514/19.9 514/19.900P 514/21.7 514/21.700S 514/414 514/414S 514/8.6 514/8.600P 514/8.600S 526/329.7
JP F-Term: 4C076 4C076/AA09 4C076/AA94 4C076/AA95 4C076/BB32 4C076/CC30 4C076/DD38 4C076/DD41 4C076/DD43 4C076/DD59 4C076/EE09 4C076/EE12 4C076/EE22 4C076/EE23 4C076/EE30 4C076/EE31 4C076/EE32 4C076/EE41 4C076/EE48 4C076/EE53 4C076/FF31 4C076/FF35 4C076/FF68 4C084 4C084/AA02 4C084/AA03 4C084/BA44 4C084/DB22 4C084/DB70 4C084/MA05 4C084/MA28 4C084/MA67 4C084/NA12 4C084/NA13 4C084/ZC04 4C201 4C076/AA99 4C076/CC29 4C076/FF32 4C084/NA10 4C084/ZA36 4C084/ZA42 4C084/ZA66 4C084/ZB26 4C084/ZC35 4C076/CC09 4C084/AA01 4C084/BA01 4C084/BA17 4C084/BA26 4C084/ZA08 4C084/ZA33 4C084/ZA59 4C084/ZA68 4C084/ZA89 4C084/ZA96 4C084/ZC55 4H045 4H045/AA30 4H045/BA14 4H045/BA30 4H045/BA35 4H045/EA20 4H045/FA10 4C066 4C066/AA10 4C066/BB10 4C066/CC06 4C066/NN20 4C076/EE11 4C084/CA62 4C084/ZA32
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Family:

Publication number	Publication date	Application number	Application date
AU2006223161 AA	20060921	AU20060223161	20060310
AU2006223161 BB	20110512	AU20060223161	20060310
AU2009268480 AA	20100114	AU20090268480	20090710
AU2009268480 BB	20141120	AU20090268480	20090710
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CA2730391 AA	20100114	CA20092730391	20090710
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EA200701956 A1	20080228	EA20070001956	20060310
EP1888043 A2	20080220	EP20060738004	20060310
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EP2309979 A1	20110420	EP20090790263	20090710
EP2455072 A1	20120523	EP20120156089	20060310
EP2457564 A1	20120530	EP20120156067	20060310
HK1121675 A1	20090430	HK20080112929	20081126
HK1121675 A3	20090430	HK20080112929	20081126
HK1156877 A1	20120622	HK20110111322	20111020
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HK1163534 A1	20120914	HK20120104263	20120502
IL185800 A0	20080106	IL20070185800	20070906
IL185800 A1	20110927	IL20060185800	20060310
IL210545 A0	20110331	IL20090210545	20090710
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IN00121KN2011 A	20110325	IN2011KN00121	20110110
IN01563MN2007 A	20071109	IN2007MN01563	20070928
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JP2010189401 A2	20100902	JP20100071146	20100326
JP2011527705 T2	20111104	JP20110517647T	20090710
JP2015071632 A2	20150416	JP20140246679	20141205
JP4584331 B2	20101117	JP20080501025T	20060310
JP5840758 B2	20160106	JP20140246679	20141205
KR101399911 B1	20140619	KR20077023359	20060310
KR20080005496 A	20080114	KR20077023359	20060310
KR20110038056 A	20110413	KR20117001833	20090710
MX2011000354 A1	20110405	MX20110000354	20090710
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NO20074628 A	20071127	NO20070004628	20070912
NZ561400 A	20100226	NZ20060561400	20060310
RU2011105029 A	20120820	RU20110105029	20090710
RU2518745 C2	20140610	RU20110105029	20090710
UA105496 C2	20140526	UA20110001452	20090710
UA89398 C2	20100125	UA20070101293	20060310
US2006204540 AA	20060914	US20060372749	20060310
US2009035343 AA	20090205	US20080171999	20080711
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US2017049850 AA	20170223	US20160246009	20160824
US2017100461 AA	20170413	US20160246020	20160824
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US7759312 BB	20100720	US20080171999	20080711
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WO06099288 A2	20060921	WO2006US08891	20060310
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Priority:

US20050660930	20050311	US20050660930P	20050311	AU20060223161	20060310
JP20080501025	20060310	EP20060738004	20060310	US20060372749	20060310
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WO2009US50215	20090710	US20100814286	20100611	US20100814293	20100611
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AU20110201471	20110331	US20160246009	20160824	US20160246020	20160824

Probable Assignee: INDEVUS PHARMACEUTICALS INC

Assignee(s): (std): DECKER STEFANIE ; DECKER STEPHANIE ; EHNDO FARMAS JUTIKALZ SOLJUSHNZ INK ; KUZMA PETR ; VALERA PHARMACEUTICALS INC ; INDEVUS PHARMACEUTICALS INC ; ENDO PHARMACEUTICALS SOLUTIONS ; ENDO PHARMACEUTICALS SOLUTIONS INC

Assignee(s): JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; MORGAN STANLEY SENIOR FUNDING INC ADMINISTRATIVE A ; MORGAN STANLEY SENIOR FUNDING INC ADMINISTRATIVE AGENT AS ; WILMINGTON TRUST NATIONAL ASSOCIATION COLLATERAL TRUSTEE AS ; ASTORA WOMEN S HEALTH HOLDINGS LLC ; JPMORGAN CHASE BANK NA ; ENDO PHARMACEUTICALS INC ; DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG AS

Inventor(s): (std): DECKER STEFANIE ; PETR KUZMA ; STEPHANIE DECKER ; STEFANIE DECKER ; KUZMA PETR ; KUZMA PETER ; DECKER STEPHANIE ; DEKER STEFANI

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; PIZZEYS; FB RICE; FB RICE PTY LTD; BORDEN LADNER GERVAIS LLP; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; OUZMAN BEVERLEY NICOLA CLAIRE; SWINKELS BART WILLEM; CHAN TANG AND KWOK; NTD PATENT AND TRADE MARK AGENCY LTD; LEHMAN LEE AND XU PATENT AND TRADEMARK AGENTS LTD; EITAN MEHULAL AND SADOT; REINHOLD COHN AND PARTNERS; SASAJIMA FUJIO; NISHIYAMA HARUYUKI; PEPPER HAMILTON LLP; FOLEY AND LARDNER LLP, SUITE 500; FOLEY AND LARDNER LLP SUITE 500; FOLEY AND LARDNER LLP; VILLACORTA GILBERTO M; GILBERTO M; JEFFREY R; RATNERPRESTIA; VILLACORTA GILBERTO M ET AL

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

38) Family number: 48461147 (US2011093008A)

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Title: DEVICE TO BE IMPLANTED IN A HUMAN OR ANIMAL BODY FOR MATERIAL OR SIGNAL **DELIVERY** OR ACQUISITION WITHIN THE BODY, AND METHOD OF IMPLANTING THE DEVICE

Abstract: For fixedly implanting a device for material or signal **delivery** or acquisition or a part of such a device in a human or animal body, an opening is provided in hard tissue of the body, the opening reaching through a hard tissue layer, e.g. through a cortical bone layer into cancellous bone underneath. The device includes a plug portion (P) and/or a cover portion (C) which includes a ring of a material having thermoplastic properties extending around the plug portion (P) or on a tissue facing surface of the cover portion (C). The opening provided in the hard tissue has a cross section at least in the area of its mouth that is adapted to the plug or cover portion such that the plug portion (P) can be introduced through the mouth of the opening or the cover portion (C) can be positioned over the mouth of the opening such that the ring extends around the opening, along its wall and/or on the hard tissue surface around its mouth.

Classifications:

International (IPC 8-9): A61B A61B17/08 A61B17/56 A61B17/68 A61B17/86 A61B19/00 A61B5/00 A61B5/07 A61B90/90 A61B90/98 A61D7/00 A61K A61K9/00 A61K9/22 A61M37/00 A61N5/10 A61N7/00 (Advanced/Invention);

A61B17/00 A61B17/34 A61B17/56 A61B17/86 A61F2/28 A61F2/30 (Advanced/Non-invention)

CPC: A61B17/3472 A61B2017/00955 A61B2017/561 A61B2017/8655 A61F2/30744 A61F2002/2839 A61B5/6878 A61B5/076 A61N7/00 A61B5/4839 A61D7/00 A61B2562/164 A61N2007/0047 A61B2503/40 A61B17/68 A61B90/90 A61B90/98

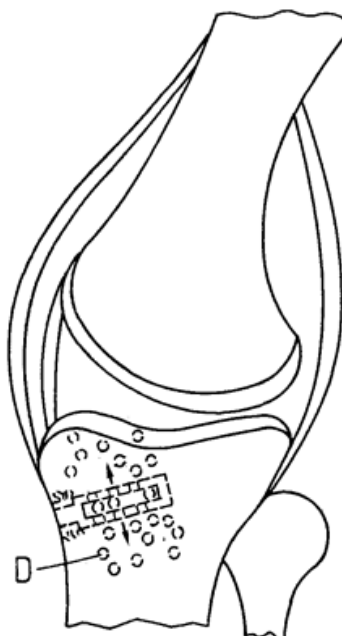
European: A61B17/68 K61B17/00S36 K61B17/34L K61B17/56D K61B17/86L K61F2/28G1 K61F2/30B9

US: 600/302 604/890.1 606/153 606/154 606/213 606/213P 606/300

JP F-Term: 4C082 4C082/AC05 4C082/AV08 4C160 4C160/LL22 4C160/LL27 4C160/LL28 4C160/LL29 4C160/LL42 4C167 4C167/AA74 4C167/AA75 4C167/BB04 4C167/BB25 4C167/BB30 4C167/BB31 4C167/CC05 4C167/GG37 4C267

JP F-Index: A61B17/56 A61M36/12 A61M37/00 A61N5/10/C

PatBase - US2011093008_AA



Family:

Publication number	Publication date	Application number	Application date
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EP2475316 A1	20120718	EP20100752712	20100907
EP2475316 B1	20160427	EP20100752712	20100907
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HK1229202 A1	20171117	HK20170103069	20170324
JP2013504342 T2	20130207	JP20120528205T	20100907
JP5798558 B2	20151021	JP20120528205T	20100907
US2011093008 AA	20110421	US20100907611	20101019
US2015196253 AA	20150716	US20150665195	20150323
US9005184 BB	20150414	US20100907611	20101019
US9724044 BB	20170808	US20150665195	20150323
WO11029208 A1	20110317	WO2010CH00217	20100907

Priority:

US20090241184P 20090910 EP20100752712 20100907 WO2010CH00217 20100907
US20100907611 20101019 US20150665195 20150323

Probable Assignee: WOODWELDING AG

Assignee(s): (std): FROESCH BARBARA ; KNECHT THOMAS ; LANGHOFF JENS ; LEHMANN MARIO ; MAYER JOERG ; WOODWELDING AG ; MEHL STEPHANIE ; MUELLER ANDREA

Inventor(s): (std): MAYER JOERG ; LANGHOFF JENS ; FROESCH BARBARA ; KNECHT THOMAS ; LEHMANN MARIO ; MEHL STEPHANIE ; MUELLER ANDREA

Agent(s): FREI PATENT ATTORNEYS; PANAWELL HONG KONG LTD; FUKAMI PATENT OFFICE PC; RANKIN HILL AND CLARK LLP; FREI PATENTANWALTSBUERO AG

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

39) Family number: 32876150 (US2007260110A)

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Title: NONINVASIVE ANGIOPLASTY USING MOMENTARY VACUUM THERAPY

Abstract: Noninvasive angioplasty using momentary vacuum therapy (MVT) is applied to treat erectile dysfunction, peripheral artery disease, and deep vein thrombosis. MVT is a noninvasive angioplasty technique which momentarily increases blood pressure to flatten arterial plaque and increase arterial elasticity for peripheral artery disease and deep vein thrombosis. The workload on the heart will be reduced by the flattening of plaque and the increase in elasticity of the peripheral arteries. The reduction in workload may be a treatment for congestive heart failure (heart failure). For treating erectile dysfunction, MVT increases the elasticity of penile arteries but does not flatten penile plaque; when treating erectile dysfunction with MVT, only an increase in arterial elasticity is required.

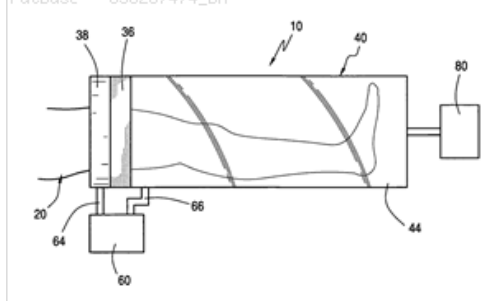
Classifications:

International (IPC 8-9): A61B19/00 A61F5/00 A61H1/00 A61H1/02 A61H19/00 A61H7/00 (Advanced/Invention); A61B19/00 A61F5/00 (Core/Invention)

CPC: A61H9/005 A61H2201/0207 A61H2201/0214 A61H2201/025 A61H2201/5035 A61H2201/5038 A61H2205/06 A61H2205/10 A61H2205/106 A61H2230/25 A61F5/41 A61K31/519 A61K31/557 A61K31/557 K61F5/41

European: A61F5/41 A61K31/519 A61K31/557 K61F5/41
US: 128/898 128/898S 600/38 600/38P 601/10 601/11 601/148 601/149 601/151 601/152 601/6 601/9

PatBase - US8287474_BA



Family:

Publication number	Publication date	Application number	Application date
US2007260110 AA	20071108	US20060415420	20060502
US2013041295 AA	20130214	US20120652880	20121016
US7037257 BA	20060502	US20030645869	20030822
US7513879 BB	20090407	US20060415420	20060502
US8287474 BA	20121016	US20090385419	20090407

Priority:

US20020404933P 20020822 US20030645869 20030822 US20060415420 20060502
US20090385419 20090407 US20120652880 20121016

Probable Assignee: BASILE JOHN J

Assignee(s): (std): BASILE JOHN J ; KOENIG J F ; KOENIG J FRANK

Inventor(s): (std): BASILE JOHN J ; KOENIG J F ; KOENIG J FRANK

Inventor(s): KOENIG J ; BASILE JOHN

Agent(s): SHLESINGER ARKWRIGHT AND GARVEY LLP

40) Family number: 59461151 (US2016029998A)

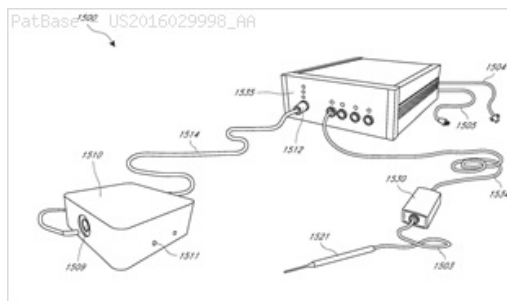
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Title: SYSTEMS AND METHODS FOR LOCATING AND/OR CHARACTERIZING INTRAGASTRIC DEVICES

Abstract: Devices and methods for treating obesity are provided. More particularly, intragastric devices and methods of fabricating, deploying, inflating, locating, tracking, monitoring, deflating, and retrieving the same are provided.

Classifications:

International (IPC 8-9): A61B A61B1/00 A61B1/04 A61B17/00 A61B5/00 A61B5/06 A61B5/07 A61B5/145 A61B50/13 A61B8/00 A61B8/08 A61F2/00 A61F5/00 A61M A61M25/01 A61M25/10 A61M29/00 A61M29/02 (Advanced/Invention); A61B34/20 A61B90/00 (Advanced/Non-invention); A61M (Subclass/Invention)
CPC: A61B1/041 A61B5/0024 A61B5/0028 A61B5/065 A61B5/6853 A61B8/56 A61B8/461 A61F5/003 A61B50/13 A61B2034/2051 A61B2034/2063 A61B2034/2072 A61B2090/3929 A61B2090/3966 A61B5/742 A61B5/062 A61B8/0833 A61F5/0046 A61F2005/002 A61B5/6852 A61B5/14507 A61B5/073 A61B5/14539 A61B5/4238 A61B5/6861 A61B2562/162 A61B2562/168 A61M2025/1054 A61F5/0036 A61F5/0043
US: 600/409 600/424 606/192
JP F-Term: 4C160 4C160/MM46 4C161 4C161/DD07 4C161/FF14 4C161/FF17
JP F-Index: A61B1/00/C A61B1/00/320/B A61B1/00/550 A61B1/00/552 A61B1/00/610 A61B1/045/623 A61B1/273 A61B17/00



Family:

Publication number	Publication date	Application number	Application date
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EP3077037 A1	20161012	EP20140867432	20141203
EP3077037 A4	20170802	EP20140867432	20141203
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EP3203916 A4	20180620	EP20150849671	20151007
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IN201617022329 A	20160831	IN201617022329	20160629
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US2016058322 AA	20160303	US20150880121	20151009
US2016100970 AA	20160414	US20150877846	20151007
US2016278662 AA	20160929	US20140407923	20141203
US2018049901 AA	20180222	US20170796581	20171027
US9895248 BB	20180220	US20150877846	20151007
WO15085011 A1	20150611	WO2014US68458	20141203
WO15085011 A9	20150716	WO2014US68458	20141203
WO16057716 A1	20160414	WO2015US54554	20151007

Priority:

US20130911958P 20131204	US20140062081P 20141009	US20140407923 20141203
WO2014US68458 20141203	US20150877846 20151007	WO2015US54554 20151007
US20150880144 20151009	US20150880121 20151009	US20170796581 20171027

Probable Assignee: OBALON THERAPUEUTICS INC

Assignee(s): (std): OBALON THERAPEUTICS INC

Assignee(s): OBALON THERAPUEUTICS INC

Inventor(s): (std): DANIEL J PROCTOR ; MARK C BRISTER ; NEIL R DRAKE ; SHELDON NELSON ; PROCTOR DANIEL J ; NELSON SHELDON ; DRAKE NEIL R ; BRISTER MARK C

Agent(s): BOULT WADE TENNANT; INSIGHT HK INTELLECTUAL PROPERTY LTD; KNOBBE MARTENS OLSON AND BEAR LLP; HART DANIEL; ALTMAN DANIEL E

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

41) Family number: 47933154 (US2010331999A)

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Title: COMBINATION THERAPIES FOR THE TREATMENT OF OBESITY

Abstract: Described are pharmaceutical compositions comprising phentermine, metformin, and at least one pharmaceutically acceptable carrier or excipient. Another aspect of the present invention relates to a method of treating a patient suffering from obesity or needing to lose weight, comprising the step of co-administering to said patient a therapeutically effective amount of phentermine and metformin. In certain embodiments, an aforementioned method is practiced in conjunction or tandem with a medical procedure or the use of a medical device or both.

Classifications:

International (IPC 8-9): A61F2/04 A61K31/135 A61K31/137 A61K31/155 A61K31/70 A61N1/36 A61P1/00 A61P11/00 A61P25/00 A61P3/00 A61P3/04 A61P3/06 A61P3/10 A61P35/00 A61P9/00 (Advanced/Invention)

CPC: A61K31/155 A61K31/137 A61K45/06 A61N1/36007

European: A61K31/137 A61K31/155 A61K45/06 K61N1/36B

US: 514/635 514/635S 607/3 607/3S 623/23.65 623/23.650P

PatBase - US2010331999 A9

phentermine + metformin er	Age Range	Sex	Initial Weight (lb)	Height (in)	Initial BMI	% Loss
phentermine 15mg qd + metformin er 500mg bid	31-35	F	177.9	62	33	11.0%
phentermine 15.75mg qd + metformin er 500mg bid	21-25	F	194.2	65	32	9.6%
phentermine 37.5mg qd + metformin er 500mg bid	51-55	F	206.2	60	40	2.8%
phentermine 37.5mg qd + metformin er 500mg bid	61-65	F	218.1	63	39	8.7%
phentermine 37.5mg qd + metformin er 500mg qd	41-45	F	207.5	66	32	20.4%
						10.5%

Family:

Publication number	Publication date	Application number	Application date
US2010331999 AA	20101230	US20100824728	20100628
US2014073699 AA	20140313	US20130083625	20131119
WO11008490 A2	20110120	WO2010US40175	20100628

Priority:

US20090221261P 20090629 US20100824728 20100628 US20130083625 20131119

Probable Assignee: METABOLOUS PHARMACEUTICALS INC**Assignee(s):** (std): ARONNE LOUIS J ; METABOLOUS PHARMACEUTICALS INC**Inventor(s):** (std): ARONNE LOUIS J**Agent(s):** FOLEY HOAG LLP PATENT GROUP WORLD TRADE CENTER WEST; GORDON DANA M 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 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**42) Family number: 29587156 (US2004063606A)**

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Title: ELASTOMERIC FUNCTIONAL BIODEGRADABLE COPOLYESTER AMIDES AND COPOLYESTER URETHANES

Abstract: The present invention provides elastomeric copolyester amides, elastomeric copolyester urethanes, and methods for making the same. The polymers that are based on alpha-amino acids and possess suitable physical, chemical and biodegradation properties. The polymers are useful as carriers of drugs or other bioactive substances. The polymers can be linked, intermixed, or a combination thereof, to one or more drugs.

Classifications:

International (ipc 8-9): A01N25/08 A61F13/00 A61F2/00 A61F2/82 A61K31/34 A61K31/70 A61K31/7088 A61K31/74 A61K31/785 A61K35/12 A61K35/22 A61K35/28 A61K35/30 A61K35/36 A61K35/44 A61K38/02 A61K38/16 A61K38/18 A61K38/19 A61K38/22 A61K38/39 A61K39/00 A61K39/02 A61K39/12 A61K39/145 A61K39/21 A61K39/385 A61K39/39 A61K47/00 A61K47/32 A61K47/34 A61K47/36 A61K47/48 A61K48/00 A61K9/00 A61K9/10 A61K9/107 A61K9/12 A61K9/14 A61K9/16 A61K9/19 A61K9/50 A61K9/51 A61K9/70 A61K9/72 A61L15/00 A61L15/26 A61L15/44 A61L26/00 A61L27/00 A61L27/34 A61L27/54 A61L31/00 A61L31/04 A61L31/06 A61L31/10 A61L31/14 A61L31/16 A61P1/00 A61P17/00 A61P17/02 A61P19/06 A61P27/02 A61P27/16 A61P29/00 A61P31/00 A61P31/04 A61P31/10 A61P31/12 A61P35/00 A61P37/04 A61P9/00 C07K16/28 C07K7/08 C08F20/00 C08G18/10 C08G18/42 C08G18/60 C08G18/80 C08G63/02 C08G63/91 C08G65/26 C08G69/00 C08G69/26 C08G69/44 C08G69/48 C08G71/00 C08G71/04 C08L101/16 C08L75/02 C08L75/04 C08L75/06 C08L77/00 C08L77/12 C12N11/08 C12N15/88 (Advanced/Invention); B82Y5/00 C08G69/26 (Advanced/Non-invention); A61F13/00 A61F2/00 A61F2/82 A61K31/34 A61K31/74 A61K35/12 A61K38/18 A61K38/19 A61K38/22 A61K38/39 A61K39/00 A61K39/02 A61K39/12 A61K39/145 A61K39/21 A61K39/385 A61K39/39 A61K47/00 A61K47/32 A61K47/34 A61K47/36 A61K47/48 A61K48/00 A61K9/00 A61K9/10 A61K9/107 A61K9/12 A61K9/14 A61K9/16 A61K9/19 A61K9/50 A61K9/70 A61K9/72 A61L15/00 A61L15/16 A61L27/00 A61L31/00 A61L31/04 A61P17/00 A61P31/00 A61P35/00 A61P37/00 A61P9/00 C07K7/00 C08F20/00 C08G18/00 C08G63/00 C08G65/00 C08G69/00 C08G71/00 C08L101/00 C08L75/00 C08L77/00 C12N11/00 (Core/Invention)

International (ipc 1-7): A01N61/00 A61K31/00 A61K31/43 A61K35/12 A61K39/00 A61K47/48 A61K9/16 A61K9/50 A61L27/34 A61L27/54 C08G18/00 C08G18/42 C08G69/00 C08G69/26 C08G69/44 C08L101/16 C08L75/06 C08L77/12

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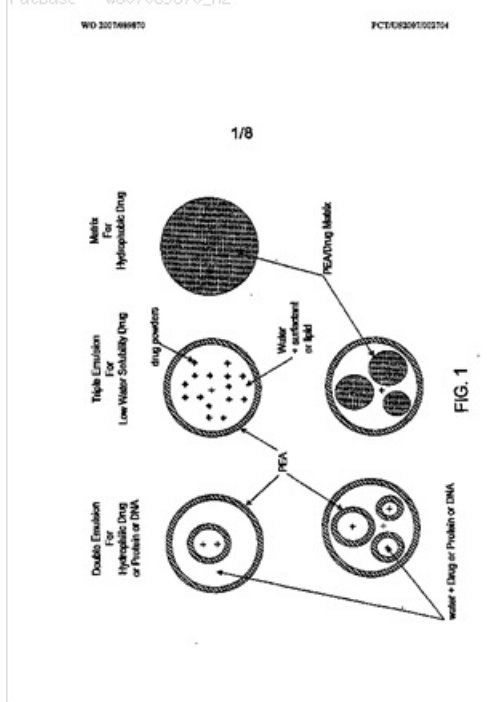
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JP F-Term: 4C076 4C076/AA95 4C076/EE26 4C076/EE59 4J001 4J001/DB04 4J001/DC03 4J001/DC11 4J001/DD08 4J001/EA37 4J001/EC25 4J001/EE30 4J001/FA05 4J001/FC05 4J001/GA13 4J001/JA20 4J002 4J200 4J200/AA02 4J200/AA10 4J200/BA03 4J200/BA05 4J200/BA29 4J200/DA22 4J200/EA11 4C081 4C081/AA02 4C081/AA12 4C081/AB01 4C081/AB11 4C081/AB36 4C081/BA12 4C081/BB06 4C081/CA19 4C081/CA23 4C081/CC09 4C081/CD04 4C081/CD34 4C081/CE02 4C081/DA02 4C081/DA12 4C081/DC03 4C081/DC04 4C076/AA22 4C076/AA29 4C076/AA32 4C076/AA94 4C076/BB01 4C076/DD63/F 4C076/EE22/L 4C076/EE24/L 4C076/EE26/L 4C076/EE30/H 4C076/FF29 4C076/FF32 4C076/AA17 4C076/AA25 4C076/AA93 4C076/BB11 4C076/BB21 4C076/CC06 4C076/CC41 4C085 4C085/AA03 4C085/BA07

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

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43) Family number: 15293160 (WO0108630A2)

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Title: STERILE PACKAGING OF LIVE MATERIAL WITH IMPROVED STORAGE CHARACTERISTICS

Abstract: A storage package is disclosed. The storage package comprises an outer container; a second outer container completely enclosing the outer container; an access portal transiting the outer container; a cell containing compartment; a stabilizing bath compartment, wherein the stabilizing bath compartment is connected to the cell containing compartment through a semi-permeable barrier, wherein the semi-permeable barrier permits passage of molecular species but does not permit passage of living cells, and further wherein the semi-permeable barrier forms at least a portion of the barrier between the stabilizing bath compartment and the cell containing compartment, and wherein the outer container completely encloses the cell containing compartment and the stabilizing bath compartment; means for removing the second outer container; and means for removing the outer container.

Classifications:

International (IPC 8-9): A01N1/02 A61B19/00 A61F2/00 A61J1/00 A61J1/05 A61J1/10 A61J1/20 B65D41/02 B65D41/32 B65D69/00 B65D71/00 B65D81/20 (Advanced/Invention); A61F2/00 B65D81/20 (Advanced/Non-invention); A01N1/02 A61J1/00 A61J1/05 A61J1/10 A61J1/14 B65D81/20 (Core/Invention); A61F2/00 (Core/Non-invention)

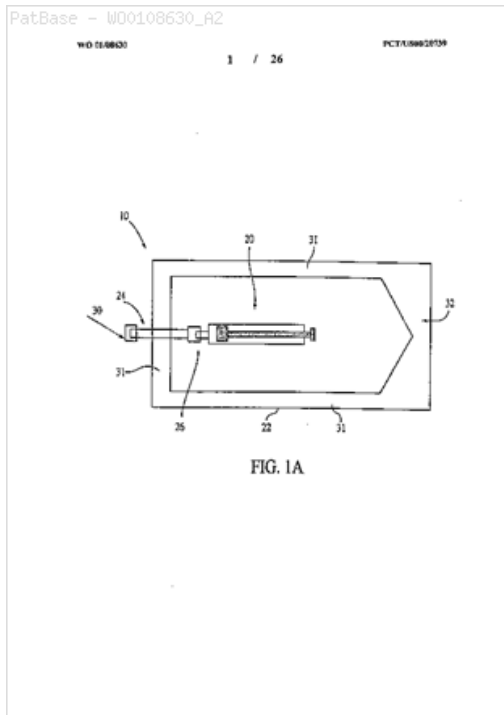
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Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: REPROGENESIS INC

Assignee(s): (std): BIRKHEAD JAMES R ; GENTILE FRANK T ; LOTITO MARK A ; MELO ANTONIO P ; REPROGENESIS INC ; WEITZNER BARRY D

Inventor(s): (std): BIRKHEAD JAMES R ; GENTILE FRANK T ; LOTITO MARK A ; MELO ANTONIO P ; WEITZNER BARRY D

Inventor(s): MARK A LOTITO ; JAMES R BIRKHEAD ; FRANK T GENTILE ; ANTONIO P MELO ; BARRY D WEITZNER

Agent(s): FB RICE PTY LTD; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; POSORSKE LAURENCE H ET AL

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

44) Family number: 48912166 (US2011118825A)

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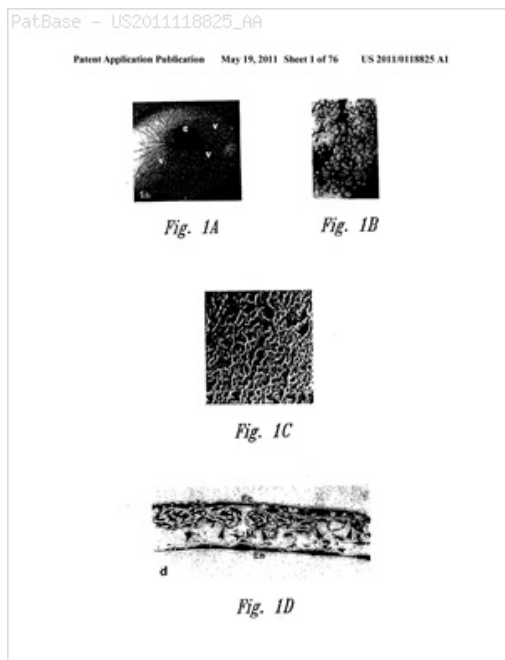
Title: ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE

Abstract: The present invention provides compositions comprising an anti-angiogenic factor, and a polymeric carrier. Representative examples of anti-angiogenic factors include Anti-Invasive Factor, Retinoic acids and derivatives thereof, and paclitaxel. Also provided are methods for embolizing blood vessels, and eliminating biliary, urethral, esophageal, and tracheal/bronchial obstructions.

Classifications:

International (IPC 8-9): A61F2/02 A61F2/06 A61F2/82 A61F2/84 A61K31/122 A61K31/136 A61K31/175 A61K31/185 A61K31/19

A61K31/203 A61K31/335 A61K31/337 A61K31/519 A61K31/57
A61K33/24 A61K38/55 A61K38/57 A61K45/00 A61K45/06
A61K47/30 A61K47/32 A61K47/34 A61K47/36 A61K47/42
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A61L27/34 A61L27/54 A61L31/00 A61L31/08 A61L31/10 A61L31/14
A61L31/16 A61P1/04 A61P1/16 A61P11/00 A61P13/02 A61P27/02
A61P35/00 A61P7/04 A61P9/00 C07D305/14 C07K14/81
C08L23/08 (Advanced/Invention);
A61K38/00 C08L29/04 C08L67/04 (Advanced/Non-invention)
CPC: A61K9/14 A61K9/0019 A61K9/0048 A61K9/0051 A61K9/1635
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B82Y5/00 C07C233/64 C07K14/811 C08L23/0853 C08L29/04
C08L67/04 C08L2203/02 C08L2312/00 Y10S977/773 Y10S977/915
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European: A61K31/122 A61K31/136 A61K31/165 A61K31/185
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C07K14/81B1 C08L23/08C1 C08L67/04 K61K38/00 K61L300/416
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US: 623/1.46 623/1.460P



Family:

Publication number	Publication date	Application number	Application date
US201118825 AA	20110519	US20100820614	20100622

Priority:

US19930094536 19930719	WO1994CA00373 19940719	US19950417160 19950403
US19950480260 19950607	US19990294458 19990419	US20010925220 20010808
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Probable Assignee: ANGIOTECH PHARM INC

Assignee(s): (std): ANGIOTECH PHARM INC

Assignee(s): ANGIOTECH PHARMACEUTICALS INC ; WELLS FARGO CAPITAL FINANCE LLC ADMINISTRATIVE AGE ; WELLS FARGO FOOTHILL LLC AGENT AS ; ANGIOTECH PHARMACEUTICALS US INC ; BG SULZLE INC ; MANAN MEDICAL PRODUCTS INC ; MEDICAL DEVICE TECHNOLOGIES INC ; QUILL MEDICAL INC ; SURGICAL SPECIALTIES CORP ; WELLS FARGO CAPITAL FINANCE LLC ADMINISTRATIVE AGENT AS ; AMERICAN MEDICAL INSTRUMENTS HOLDINGS INC ; ANGIOTECH AMERICA INC ; ANGIOTECH BIOCOATINGS CORP ; ANGIOTECH INT HOLDINGS CORP

Inventor(s): (std): ARSENAULT A LARRY ; HUNTER WILLIAM L ; MACHAN LINDSAY S

45) Family number: 46423169 (US2010255061A)

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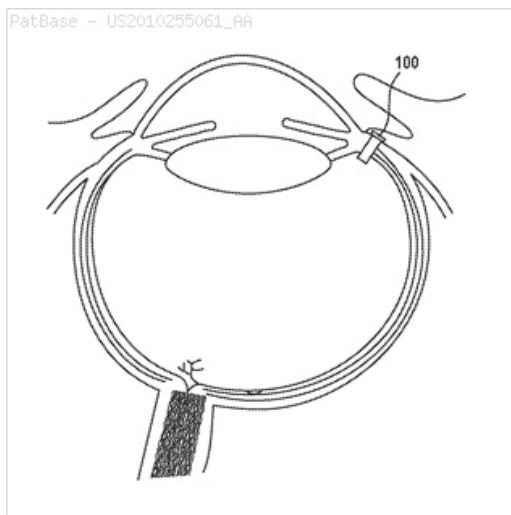
Title: POSTERIOR SEGMENT DRUG **DELIVERY**

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

Classifications:

International (IPC 8-9): A61F2/00 A61F2/14 A61F9/00 A61F9/007
A61K31/5575 A61K31/57 A61K31/573 A61K31/58 A61K38/17
A61K38/38 A61K39/395 A61K45/06 A61K47/32 A61K47/34
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A61M35/00 A61M37/00 A61M39/02 A61M5/00 A61M5/142 A61M5/148
A61M5/158 A61M5/162 A61M5/178 A61M5/31 A61M5/32 A61M5/46
A61P27/02 B23P17/04 C07K16/18 C07K16/22 E21B49/10
G01N15/00 G01N15/08 G01N33/558 G01N7/10 (Advanced/Invention);
A61K39/00 A61M39/02 (Advanced/Non-invention);
A61M35/00 (Core/Invention)
CPC: A61M5/14276 A61M5/178 A61M5/31 A61M39/0208
A61M39/0247 A61M2039/027 A61M2039/0276 A61K2300/00
A61K38/179 A61K39/395 A61K45/06 A61M37/00 C07K16/22
A61M5/32 A61M5/46 A61F9/0017 A61F9/0008 A61K9/0048
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A61K2039/505 G01N33/558 A61K9/0051 Y10T29/49826
European: A61F9/00B2 A61K31/57 A61K31/573 A61K39/395
A61K45/06 A61K9/00M16 A61K9/00M16B A61M39/02B A61M39/02T
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K61M39/02T11 K61M39/02T15
US: 1/1 29/428 29/428S 424/133.1 424/133.100S 424/422 424/423

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514/174S 514/573 514/573S 521/145 521/183 521/184 521/189
530/387.3 530/387.300S 536/56 536/57 536/69 604/117 604/175
604/175S 604/239 604/246 604/257 604/263 604/27 604/272
604/272S 604/288.01 604/288.01P 604/288.010S 604/288.02
604/288.04 604/36 604/44 604/500 604/500S 604/506 604/506P
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A61K9/00 A61P27/02



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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JP20160046673	20160310	JP20160054670	20160318	AU20160202327	20160413
JP20160244154	20161216	US20170807396	20171108	US20170840965	20171213

Probable Assignee: FORSIGHT VISION4 INC

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

Assignee(s): DE JUAN EUGENE JR ; FORSIGHT VISION4 INC191 JEFFERSON DRIVEMENLO PARKCA94025US ; MACFARLANE K

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

Inventor(s): STINE GREGUS ; ALSTER YAIRUS ; SKIELLER CHRISTINAUS ; REICH CARY JUS ; MACFARLANE K ; MACFARLANE K ANGELAUS ; FARINAS KATHLEEN COGANUS ; GIFFORD ANSON S ; ERICKSON SIGNEUS ; DOUD DARRENUS ; DE JUAN EUGENE JRUS ; BATTEN DAVIDUS ; CAMPBELL RANDOLPH EUS ; BARRETT MIKEUS

Agent(s): SPRUSON AND FERGUSON; PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; KAZI ILYA; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO LLP; WILKINSON AND GRIST; YAMAKAWA MASAKI; DREW AND NAPIER LLC; FORSIGHT VISION 3 INC AND TOWNSEND AND TOWNSEND AND CREW LLP JOINT CUSTOMER NUMBER; FRED C; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO P C; SHIMMICK JOHN K ET AL; BARRISH MARK D ET AL; BEATTIE INGRID A 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 SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

46) Family number: 49917177 (US2011276134A)

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Title: SILICONE IMPLANT WITH IMPRINTED TEXTURE

Abstract: A procedure for manufacturing an implant having a textured silicone surface is disclosed. An example procedure includes forming a component having a silicone surface; pressing a plurality of polymer fibers at least partially into the silicone surface, before the silicone has completely cured; allowing the silicone to at least partially cure with the polymer fibers in the silicone surface; and after the silicone is at least partially cured, removing the polymer fibers from the silicone surface.

Classifications:

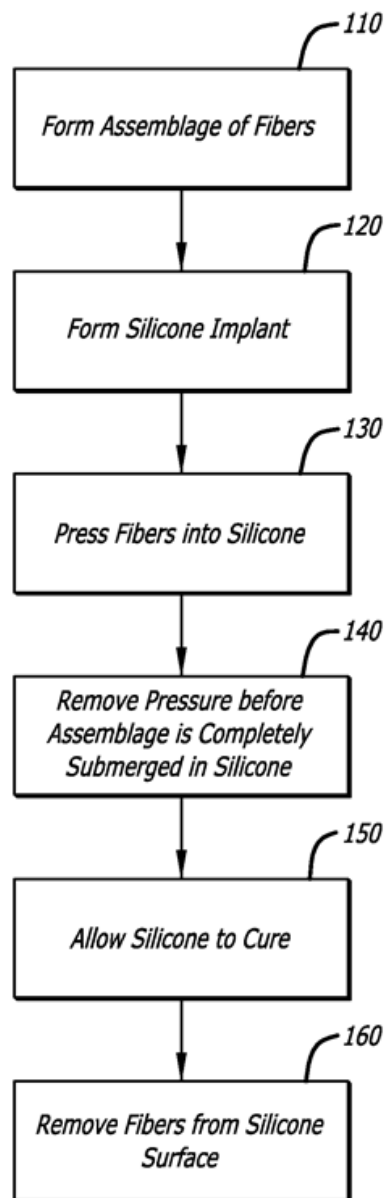
International (IPC 8-9): A61B5/00 A61F2/00 A61F2/04 A61F2/12 A61K47/34 A61L26/00 A61L27/16 A61L27/18 A61L27/56 A61L31/04 A61L31/06 A61L31/10 A61L31/14 B01D39/16 B05D1/38 B05D3/00 B05D3/10 B05D5/00 B29C41/02 B29C67/20 B32B5/18 B32B5/26 C08J7/02 C08J9/26 C08L83/00 C09D167/04 C09D171/02 (Advanced/Invention); B29K105/00 B29K67/00 B29K83/00 B29L31/00 (Advanced/Non-invention)

CPC: C08J5/046 C08J2383/04 A61L2430/04 A61L27/34 A61L2400/18 A61L2420/02 B29C41/02 A61L31/10 A61L27/58 B29C41/14 B29C41/20 B29K2995/0074 A61L27/16 A61L2430/22 A61F2/04 B29C67/202 A61L26/0019 A61K47/34 B29K2067/04 B29K2083/005 B29K2105/0085 B29L2031/753 C08J9/26 C08J2201/0462 B05D5/00 B05D1/38 B05D3/007 C08J2353/02 C08J2375/04 C08J2201/04 C08J2201/042 C08J2201/0422 C08J2201/05 C08J2207/10 C08J2207/12 A61B5/686 A61B5/6871 A61B5/6879 A61F2/0077 A61F2002/045 A61L27/165 A61L27/18 A61L27/56 A61L31/049 A61L31/06 A61L31/146 A61L2400/08 B29C67/20 B32B5/26 B32B2262/02 B32B2305/026 C08L9/06 C08L83/04 A61F2/12 A61L27/50 Y10T428/2989 Y10T428/249921 C09D171/02 C09D167/04 B01D39/1692 C08J2205/05 C08J2201/0464 C08J2325/10 B01D2239/1208 B01D2239/1216

European: A61F2/12 B29C67/20 B32B5/26 C08J5/04L L32B262/02 L32B305/02D M08J383/04

US: 1/1 106/122 156/77 156/77S 264/219 264/344 264/344S 264/45.1 264/45.100S 264/49 427/2.24 427/2.240S 427/212 427/243 428/220 428/220P 428/402.24 521/61 623/23.64 623/8 623/8P

PatBase - US2011276134_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2012316320 AA	20130404	AU20120316320	20120925
CA2850132 AA	20140326	CA20122850132	20120925
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Probable Assignee: ALLERGAN INC

Assignee(s): (std): ALLERGAN INC ; APOLLO ENDOSURGERY INC ; LIU FUTIAN ; MANESIS NICHOLAS J ; SCHWAB JUSTIN J ; RAVEN JOSEPH S

Assignee(s): OXFORD FINANCE LLC AGENT AS ; APOLLO ENDOSURGERY US INC ; ATHYRIUM OPPORTUNITIES II ACQUISITION LP ADMINISTRATIVE AGENT AS

Inventor(s): (std): YU XIAOJIE ; STROUMPOULIS DIMITRIOS ; MANESIS NICHOLAS J ; LIU FUTIAN ; GORALTCHOUK ALEXEI ; CHAN ATHENE WAN CHIE ; SCHWAB JUSTIN J ; RAVEN JOSEPH S

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GOWLING LAFLEUR HENDERSON LLP; HOFFMANN EITLE; LINDA ALLYSON; GORDON AND JACOBSON PC; FOX LINDA A ET AL; DONOVAN STEPHEN 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 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

47) Family number: 48692183 (US2011082407A) © PatBase

Title: COMBINATION THERAPIES FOR THE TREATMENT OF OBESITY

Abstract: Described are pharmaceutical compositions comprising topiramate, phentermine, and metformin, and at least one pharmaceutically acceptable carrier or excipient. Another aspect of the present invention relates to a method of treating a patient suffering from obesity or needing to lose weight, comprising the step of co-administering to said patient a therapeutically effective amount of topiramate, phentermine, and metformin. In certain embodiments, an aforementioned method is practiced in conjunction or tandem with a medical procedure or the use of a medical device or both.

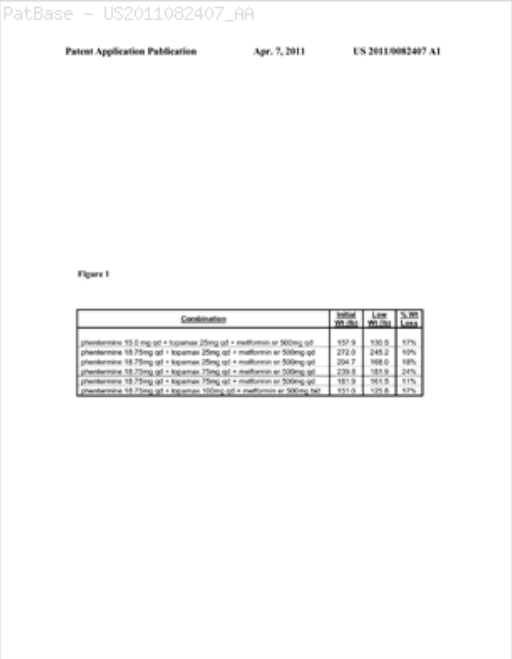
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US: 514/454 514/454S 604/8 604/8P 606/192 606/192S 607/3 607/3S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20090247663P 20091001 US20100896040 20101001

Probable Assignee: METABOLOUS PHARMACEUTICALS INC

Assignee(s): (std): ARONNE LOUIS J ; METABOLOUS PHARMACEUTICALS INC

Inventor(s): (std): ARONNE LOUIS J

Agent(s): GORDON DANA M 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 HW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

48) Family number: 43875184 (EP1838381A4) © PatBase

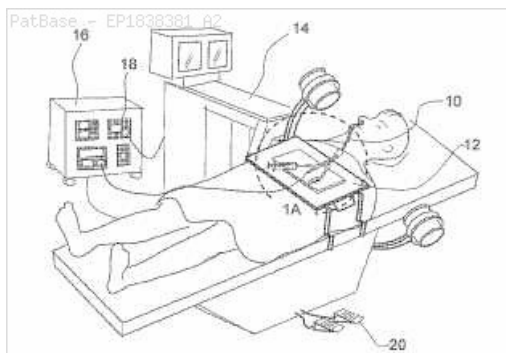
Title: DEVICES, SYSTEMS AND METHODS FOR TREATING DISORDERS OF THE EAR, NOSE AND THROAT

Abstract: Source: EP1838381A2 [FR] YU

Classifications:

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K61B19/02F6 K61N7/02C



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20050037548 20050118 WO2006US02004 20060118

Probable Assignee: ACCLARENT INC

Assignee(s): (std): ACCLARENT INC

Inventor(s): (std): CHANG JOHN Y ; LAMSON THEODORE ; LAMSON THEODORE C ; MAKOWER JOSHUA ; VRANY JULIA D ;
WALKE AMRISH ; WALKE AMRISH JAYPRAKASH

Agent(s): IZQUIERDO MARIA ALICIA

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO
SE SI SK TR YU

49) Family number: 33814190 (US2006265042A)

© PatBase

Title: DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING
TISSUES OR ANATOMICAL STRUCTURES

Abstract: Devices, systems and methods for retracting, lifting, compressing, supporting or repositioning tissues, organs, anatomical structures, grafts or other structures within the body of human or animal subjects for the purpose of treating diseases or disorders and/or for cosmetic or reconstructive purposes and/or for research and development purposes or other purposes.

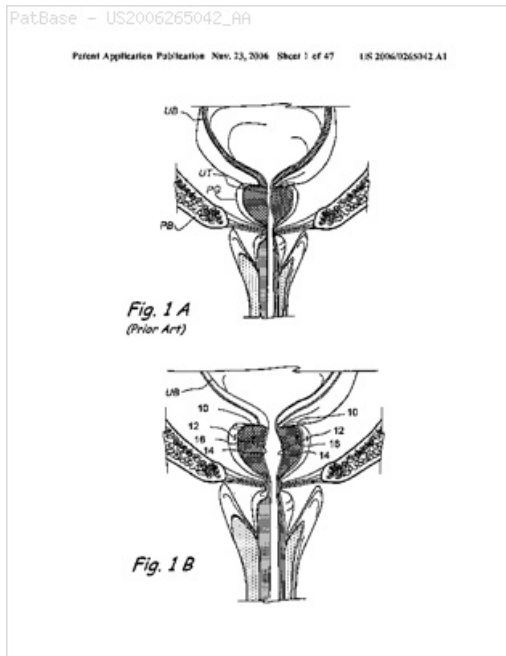
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A61B17/00 (Core/Non-invention)

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US20180974899	20180509	US20180107447	20180821		

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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 YU ZA ZM ZW

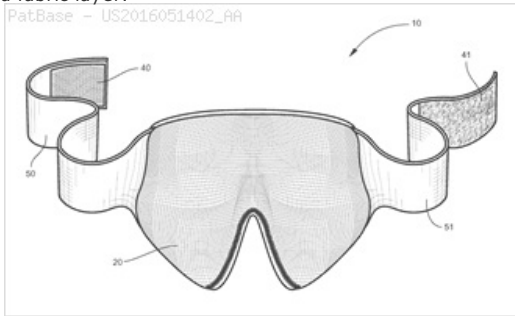
50) Family number: 61741190 (US2016051402A)

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Title: POST-SURGICAL ARTICLES FOR REDUCTION OF SWELLING, EDEMA, AND BRUISING

Abstract: Disclosed herein are garments having any combination of low thermal conductivity, high durability and resiliency, and with the optional ability to evenly distribute compressive forces. When compared to currently used compression garments, these compression garments advantageously result in better patient comfort and overall improved healing processes. In certain aspects, the disclosed compression garments include post-surgical treatment masks. For example, the post-surgical treatment mask may include a thermoformable assembly having a thermoformable resin arranged between inner and outer knitted fabric layers, the thermoformable assembly configured to be heated to a glass transition temperature of the thermoformable resin such that the thermoformable assembly can be shaped to conform to contours of a user's face, and a styrene-based polymeric gel layer arranged on the inner knitted fabric layer.

Classifications:
International (ipc 8-9): A61F13/12 A61F7/00 A61F7/02 A61F7/08 A61F9/04 A61M35/00 (Advanced/Invention)
CPC: A61F7/02 A61F2007/0003 A61F2007/0231 A61F2007/0244 A61F13/122 A61F13/124 C08L9/06 A61F7/00 A61F13/12 A61M35/00 A61F2007/0052 A61F2007/0228 A61F2007/0261 A61F2007/0004 A61F2007/001 A61F2007/0292
US: 607/109



Family:

Publication number	Publication date	Application number	Application date
CN106031677 A	20161019	CN201510104609	20150310
US2016051402 AA	20160225	US20150602893	20150122
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Priority:
US20140040771P 20140822 US20140051847P 20140917 US20140062372P 20141010
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Assignee(s): ALPS SOUTH EUROPE SRO

Inventor(s): (std): ALDO A LAGHI ; EDYTA HALL ; HALL EDYTA ; LAGHI ALDO ; LAGHI ALDO A

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