

Search history

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

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

Classifications:

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

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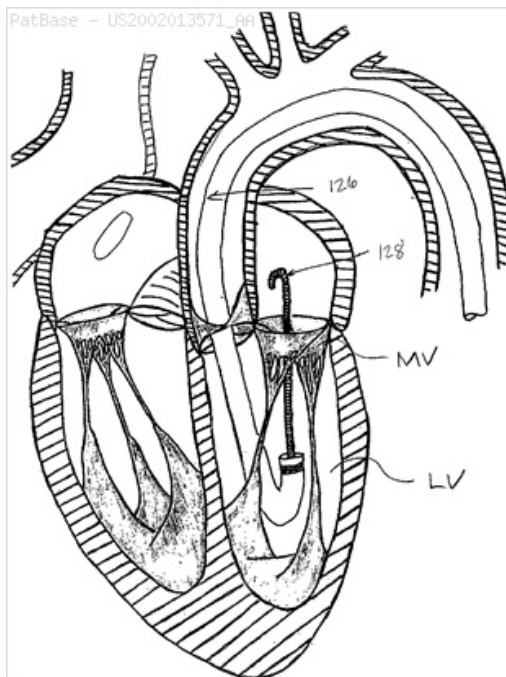
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US: 1/1 128/898 128/898S 600/139 600/141 600/142 600/300 600/373 600/374 600/381 600/585 604/164.13 604/165.01 604/264 604/264S 604/523 604/95.04 604/95.040P 606/1 606/108 606/108S 606/139 606/139P 606/142 606/142S 606/144 606/144P 606/144S 606/148 606/150 606/151 606/151P 606/153 606/155 606/157 606/157P 606/190 606/191 606/1P 606/205 606/205S 606/213 606/213S 606/215 606/216 606/219 606/219S 606/221 606/222 606/222S 606/232 606/232S 606/27 606/27S 623/2.11 623/2.110P 623/2.110S 623/2.12 623/2.120S 623/2.36 623/2.360P 623/2.360S 623/23.6 623/23.600P

Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: EVONIK IND AG

Assignee(s): (std): ABBOTT VASCULAR ; ABBOTT VASCULAR INC ; DEEM MARK ; DEEM MARK E ; DELL KENT ; DELL KENT D ; DIECK MARTIN ; EVALVE INC A DELAWARE CORP ; FAN SYLVIA WEN CHIN ; EVALVE INC A CALIFORNIA CORP ; EVALVE INC ; FAN SYLVIA ; FANN JAMES ; FAN SYLVIA W ; FANN JAMES I ; DIECK MARTIN S ; ERICKSON SYLVIA ; RASCHDORF ALFRED H JR ; KOMTEBEDDE JAN ; POWELL FEROLYN T ; MARTIN BRIAN B ; RAATIKKA AMY R ; THORNTON TROY L ; GOLDFARB ERIC A ; SARABIA JAIME E ; RASCHDORF ALFRED H ; MADDEN JOHN P ; GIFFORD III HANSON ; POWELL FEROLYN ; ST GOAR FREDERICK ; GOLDFARB ERIC ; GIFFORD HANSON S III ; ST GOAR FREDERICK G ; MARTIN BRIAN ; GIFFORD III HANSON S ; FANN JAMES I LIN ; RASCHDORF JR ALFRED H ; KETAI THEODORE W ; KOLOSI WILLIAM D ; LIAO YEN C ; LUCATERO PEDRO ; MARTIN BRAIN B ; WEN CHIN FAN SYLVIA ; WEN CHIN FAN SYLVIA

Assignee(s): VENTURE LENDING AND LEASING III INC ; GIFFORD HANSON III ; GIFFORD HANSEN S III ; IMP BANK ; EVALVE NC ; EVALVEINC ; EVONIK IND AG ; FAN SYLVIA WENCHIN

Inventor(s): (std): DEEM MARK ; DELL KENT ; DIECK MARTIN ; ERICKSON SYLVIA ; FAN SYLVIA ; FAN SYLVIA W ; FAN SYLVIA W C ; FAN SYLVIA WENCHIN ; FANN JAMES ; FANN JAMES I ; GIFFORD HANSEN ; GOAR FREDERICK ST ; GOLDFARB ERIC ; GOLDFARB ERIC A ; HANSEN S GIFFORD III ; GIFFORD HANSON III ; GIFFORD HANSON S III ; JAMES I LIN FANN ; KENT D DELL ; KETAI THEODORE W ; KOLOSI WILLIAM D ; MADDEN JOHN P ; MARK E DEEM ; MARTIN BRIAN ; MARTIN BRIAN B ; MARTIN S DIECK ; POWELL FEROLYN ; POWELL FEROLYN T ; SARABIA JAIME E ; ST GOAR FREDERICK ; SYLVIA WEN CHIN FAN ; THORNTON TROY ; WEN CHIN FAN SYLVIA ; GOAR FREDERICK G ST ; GIFFORD III HANSON S ; GIFFORD III HANSON ; GIFFORD HANSON S ; GIFFORD HANSEN S III ; GIFFORD HANSEN S ; FREDERICK G ST GOAR ; FEROLYN T POWELL ; FANN JAMES I LIN ; FAN SYLVIA WEN CHIN ; ERICKSON SYLVIA WEN CHIN ; ERIC A GOLDFARB ; DIECK MARTIN S ; DELL KENT D ; DEEM MARK E ; BRIAN B MARTIN ; WEN CHIN FAN SYLVIA ; RASCHDORF ALFRED H JR ; POWELL FEROLYN T ; LUCATERO PEDRO ; LIAO YEN C ; KOMTEBEDDE JAN ; KOLOSI WILLIAM D ; GOLDFARB ERIC A ; FAN SYLVIA WEN CHEN ; SAENZ SANDRA ; ROGERS LARRY B ; RAATIKKA AMY R ; MARTIN BRAIN B ; LUCATERO SYLVESTER ; THORNTON TROY L ; ST GOAR FREDERICK G ; RASCHDORF JR ALFRED H ; RASCHDORF ALFRED ; RASCHDORF ALFRED H

Inventor(s): SARABIA JAIME ; RASCHDORF ALFRED HJR ; TROY L THORNTON ; STGOAR FREDERICK ; STGOAR FREDERICK G ; SYLVIA FAN ; RAATIKKA AMY ; MARTIN DIECK ; MARK DEEM ; LIAO YEN ; MADDEN JOHN ; KOLOSI WILLIAM ; KENT DELL ; JOHN P MADDEN ; GIFFORD HANSON SIII ; HANSON GIFFORD III ; JAIME E SARABIA ; JAMES FANN ; GIFFORD HANSON ; ALFRED H RASCHDORF ; BRIAN MARTIN ; FEROLYN POWELL ; FREDERICK ST GOAR ; FAN SYLVIA WC ; ERIC GOLDFARB

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT

ATTORNEYS PTY LTD; SPRUSON AND FERGUSON; FETHERSTONHAUGH AND CO; GOWLING LAFLEUR
HENDERSON LLP; SMART AND BIGGAR; KAZI ILYA; BALDOCK SHARON CLAIRE; CLARK JANE ANNE;
HOFSTETTER SCHURACK AND PARTNER; TOWNSEND AND TOWNSEND AND CREW LLP; FISH AND
RICHARDSON PC; TOWNSEND AND TOWNSEND AND CREW LLP EVALVE INC 020489; MINTZ LEVIN
COHN FERRIS GLOVSKY AND POPEO PC; JONATHAN; FRED C; SUGHRUE MION PLLC; PORTNOW
DOUGLAS 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
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Title: ANEURYSM TREATMENT DEVICES AND METHODS

Abstract: An aneurysm treatment device for in situ treatment of aneurysms comprising a collapsible member having a first shape wherein the first shape is an expanded geometric configuration, and a second shape, wherein the second shape is a collapsed configuration that is loadable into a catheter. The aneurysm treatment device is capable of returning to the first shape in the lumen of an aneurysm. Some aneurysm treatment devices comprise a spreadable portion and a projecting portion integral with the spreadable portion. The spreadable portion is capable of resting against and supporting an inner wall of an aneurysm, the projecting portion is capable of being gripped by a surgeon to facilitate insertion and positioning of the device. Other devices have relatively simple shapes and can be implanted to a site as a plurality. Treatment methods are also disclosed.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/08 A61B17/12 A61B17/56 A61B7/00 A61F2/00 A61F2/02 A61F2/04 A61F2/06 A61F2/08 A61F2/28 A61F2/30 A61F2/38 A61F2/44 A61K31/728 A61K38/39 A61K9/00 A61K9/14 A61K9/22 A61L27/00 A61L27/14 A61L27/18 A61L27/28 A61L27/48 A61L27/50 A61L27/56 A61L27/58 A61L29/00 A61L31/00 A61M29/00 A61P43/00 B05D7/02 B29C41/00 B29C41/42 B29C44/00 C08G18/08 C08J3/24 C08J3/28 C08J5/04 C08J9/00 C08J9/04 (Advanced/Invention); A61F2/06 A61L17/00 A61L24/00 (Advanced/Non-invention); A61B17/03 A61F2/02 A61F2/08 A61F2/28 A61F2/38 A61F2/44 A61K9/14 A61L27/00 (Core/Invention); A61L17/00 A61L24/00 (Core/Non-invention); A61B A61F A61L (Subclass/Invention)

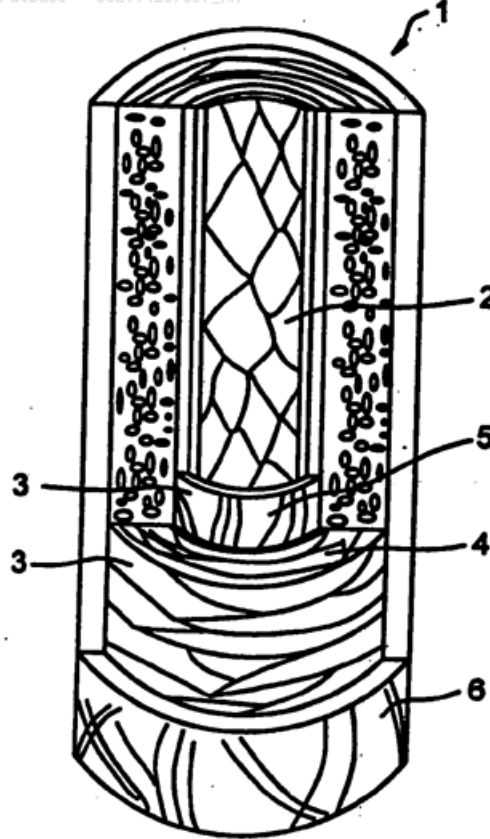
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PatBase - US2004167597_AR

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Probable Assignee: BIOMERIX CORP

Assignee(s): (std): BIOMERIX CORP ; COSTANTINO PETER D ; JORDAN MAYBELLE ; DATTA ARINDAM ; FRIEDMAN CRAIG ; TINKELNBERG ARTHUR H ; KRESPI YOSEF ; KLEMPNER DANIEL ; SENDIJAREVIC AISA ; MACGILLIVRAY JOHN D ; LAVELLE LAWRENCE P JR ; MACGILLIVARY JOHN D ; ASKILL IAN N ; BIO MERIEUX INC

Assignee(s): BIOMERIEUX INC ; FRIEDMAN CRAIG D

Inventor(s): (std): ASKI COSTANTINO PETER D FRIEDM ; DATTA ARINDAM ; FRIEDMAN CRAIG ; FRIEDMAN CRAIG D ; KLEMPNER DANIEL ; YOSEF KRESPI ; SENDUAREVIC AISA ; PETER D COSTANTINO ; MAYBELLE JORDAN ; MACGILLIVRAY JOHN D ; IAN N ASKILL ; DANIEL KLEMPNER ; CRAIG FRIEDMAN ; CRAIG D FRIEDMAN ; ARTHUR H TINKELNBERG ; ARINDAM DATTA ; AISA SENDIJAREVIC ; TINKELNBERG ARTHUR H ; SENDIJAREVIC AISA ; LAVELLE LAWRENCE P JR ; LAVELLE LA WRENCE P JR ; MACGILLIVARY JOHN D ; LAVELLE JR LAWRENCE P ; KRESPI YOSEF ; JORDAN MAYBELLE ; COSTANTINO PETER D ; CONSTANTINO PETER D ; ASKILL IAN N ; ASKILL COSTANTINO PETER D FRIE

Inventor(s): COSTANTINO PETER D FRIEDMAN CRAIG DATTA ARINDAM JO ; LA WRENCE P LAVELLE JR ; TINKELNBERG ARTHUR ; PETER D CONSTANTINO ; MACGILLIVRAY JOHN ; LAVELLE LAWRENCE ; LAVELLE LAWRENCE P ; LAVELLE LAWRENCE PJR ; LAWRENCE P LAVELLE JR ; MACGILLIVARY JOHN ; JOHN D MACGILLIVARY ; ASKILL IAN ; ASKILL LAN N ; COSTANTINO PETER ; COSTANTINO PETER D FRIEDMAN CRAIG D DATTA ARINDAM

Agent(s): PHILLIPS ORMONDE FITZPATRICK; WRAYS; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; KIRBY EADES GALE BAKER; OSLER HOSKIN AND HARCOURT LLP; FDST PATENTANWAELTE; STAMMLER WOLFGANG; REINHOLD COHN AND PARTNERS; KIMURA TAKAHISA; JONES DAY; KING AND SPALDING; WAN CHIEH; KING AND SPALDING LLP; SCOTT T; WEILD DAVID III; HANDAL ANTHONY H; ABRAMS SAMUEL B; FRIEBEL THOMAS E 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 YU ZA ZM ZW

Title: **MULTI-LAYER BRAIDED** STRUCTURES FOR OCCLUDING VASCULAR DEFECTS

Abstract: A collapsible medical device and associated methods of occluding an abnormal opening [in](#), for example, a body organ, wherein the medical device is shaped from plural layers of a heat-treatable metal fabric. Each of the fabric layers is formed from a plurality of metal strands and the assembly is heat-treated within a mold [in](#) order to substantially set a desired shape of the device. By incorporating plural layers [in](#) the thus-formed medical device, the ability of the device to rapidly occlude an abnormal opening [in](#) a body organ is significantly improved.

Classifications:

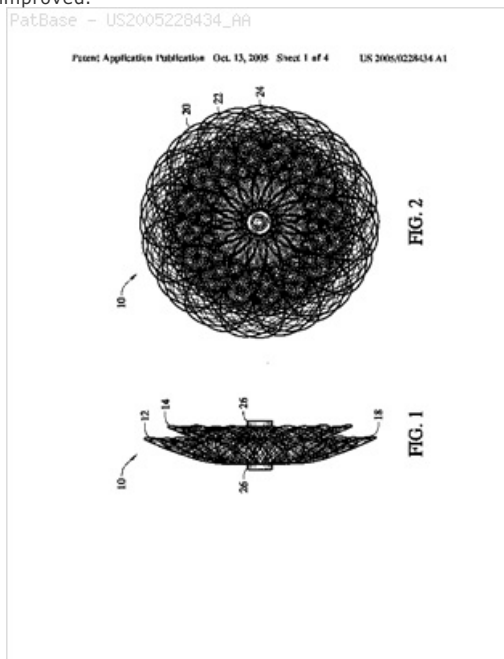
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Probable Assignee: ST JUDE MEDICAL CARDIOLOGY DIVISION INC

Assignee(s): (std):	AMPLATZ KURT ; ANDERSON KENT ; KURT AMPLATZ ; GU XIAOPING ; OSLUND JOHN C ; GLIMSDALE MATT ; OSLUND JOHN ; ADAMS DANIEL O ; AGA MEDICAL CORP ; HEIDNER MATTHEW C ; REN BROOKE ; EHJDZHEHJ MEDIKAL CORP ; THILL GARY A ; WISE DEREK ; SANTER JANA ; RUSSO PATRICK ; ST JUDE MEDICAL CARDIOLOGY DIV INC ; ST JUDE MEDICAL CARDIOLOGY DIV
Assignee(s):	ST JUDE MEDICAL CARDIOLOGY DIVISION INC ; EHJDZHEHJ MEDIKAL KORPOREJSHN ; AGA MEDICAL CORP PLYMOUTH ; AGA MEDICAL CORP5050 NATHAN LANE NORTHPLYMOUTHMN55442US ; LEHMAN COMMERCIAL PAPER INC ; BANK OF AMERICA NA
Inventor(s): (std):	ADAMS DEHNIEL O ; EHMPLATTS KURT ; GARY A THILL ; GLIMSDALE MATT ; GLIMSDEJL MEHTT ; JOHN C OSLUND ; KURT AMPLATZ ; OSLUND DZHON ; OSLUND JOHN ; OSLUND JOHN C J C ; SANTER JANA ; SEHNTER DZHEJNA ; THILL GARY A G A ; VAJZ DEREK ; WISE DEREK ; RUSSO PATRICK ; REN BROOKE ; PATRICK RUSSO ; HEIDNER MATTHEW C ; GU XIAOPING ; THILL GARY A AMPLATZ KURT OSLU ; THILL GARY A ; QIAN ZHONG ; OSLUND JOHN C ; MATT GLIMSDALE ; KENT ANDERSON ; JOHN OSLUND ; JANA SANTER ; DEREK WISE ; AMPLATZ KURT ; BROOKE REN ; ANDERSON KENT ; ANDERSEN KENT ; AMPLATZ KURTZ ; ADAMS DANIEL O ; XIAOPING GU
Inventor(s):	THILL GARY A WEBSTER ; ADAMS DANIEL OUS ; WISE DEREKUS ; KURTZ AMPLATZ ; KENT ANDERSEN ; DANIEL O ADAMS ; THILL GARY ; SANTER JANAUS ; OSLUND JOHNUS ; MATTHEW C HEIDNER ; GLIMSDALE MATTUS ; ADMAS DANIEL ; AMPLATZ KURTUS ; ANDERSON KENTUS
Agent(s):	GRIFFITH HACK ; RIDOUT AND MAYBEE LLP ; DREISS PATENTANWAELTE PARTG MBB ; CHARIG RAYMOND JULIAN ET AL ; CHARIG RAYMOND JULIAN ; POTTER CLARKSON LLP ; URIZAR JOSE ANTONIO ; CARPINTERO MARIO ; NIKOLAI AND MERSEREAU PA ; ALSTON AND BIRD LLP ; ARMSTRONG TEASDALE LLP ; KELLEY MATTHEW E ; KIRK TRENT A
Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SURGICAL **FILAMENT** SNARE ASSEMBLIES

Abstract: A surgical **filament** snare assembly including an anchor capable of being fixated **in** bone and having a **filament** engagement feature. A first **filament** has a noose on a first portion of at least a first limb and has a second portion connected to the **filament** engagement feature of the anchor. Preferably, at least one free **filament** limb, which **in** some embodiments is a length of the first **filament** and **in** other embodiments is a second **filament**, is capable of being passed through tissue to be repaired and has at least one end passable through the noose to enable incremental tensioning of the tissue after the anchor is fixated **in** bone. The noose strangulates the free **filament** limb when tension is applied to at least one of the free **filament** limb and the noose.

Classifications:

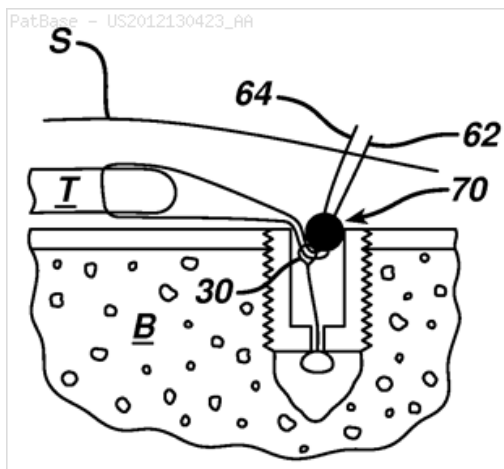
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International (ipc 1-7): A61B17/04

CPC: A61B17/0469 A61B2017/0404 A61B2017/0448 A61B17/06114 A61B2017/0403 A61B2017/0412 A61B2017/0414 A61B2017/0445 A61B2017/0475 A61B2017/06028 A61B2017/06042 A61B2017/044 A61B2017/0456 A61B2017/0458 A61B2017/06185 A61B17/06166 A61B2017/0464 A61B2019/4836 A61B2090/0807 A61B2017/0409 A61B17/0401 A61B17/0482 A61B17/0485

European: A61B17/04A K61B17/04A1 K61B17/04A30 K61B17/04A32 K61B17/04A40A K61B17/04A40F K61B17/04A40L K61B17/04A5 K61B17/04A7 K61B17/04A8 K61B17/04E5 K61B17/04G K61B17/04J K61B17/06A30 K61B17/06A9 K61B17/06P K61B17/06S8 K61B19/48H

US: 1/1 289/1.5 289/17 606/139 606/144 606/145 606/148 606/223 606/224 606/225 606/228 606/230 606/232 606/232P



Family:

Publication number	Publication date	Application number	Application date
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AU2011247890 AA	20120607	AU20110247890	20111109
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Priority:

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US20180874063	20180118				

Probable Assignee: MEDOS INT SARL

Assignee(s): (std): HERNANDEZ JOSEPH ; MILLER GEROME ; SENGUN MEHMET ZIYA ; MCALISTER GARY B ; SPENCINER DAVID B ; SENGUN MEHMET ; MEDOS INT SARL ; MEDOS INT S RL ; DEPUY MITEK INC ; DEPUY MITEK LLC ; WHITTAKER GREGORY R ; TANG HOWARD ; STEFANI ROBERT

Assignee(s): ZIYA SEGUN MEHMET ; DEPUY MITEK LLC RAYNHAM ; N A

Inventor(s): (std): STEFANI ROBERT ; HERNANDEZ JOSEPH ; MCALISTER GARY B ; ZIYA SEGUN MEHMET ; SENGUN MEHMET ; ZIYA SENGUN MEHMET ; HOWARD TANG ; GEROME MILLER ; ROBERT STEFANI ; JOSEPH HERNANDEZ ; MEHMET ZIYA SEGUN ; MEHMET ZIYA SENGUN ; GREGORY R WHITTAKER ; DAVID B SPENCINER ; G B MCALLISTER ; G R WHITE TACO ; HERNADEZ JOSEPH ; TANG HOWARD C ; WHITTAKER GREGORY R ; TANG HOWARD ; MILLER GEROME ; SENGUN MEHMET ZIYA ; SPENCINER DAVID B

Inventor(s): GR WHITE TACO ; GB MCALLISTER ; WHITTAKER GREGORY R RAYNHAM ; SENGUN MEHMET ZIYA RAYNHAM ; MILLER GEROME RAYNHAM ; SPENCINER DAVID B RAYNHAM ; TANG HOWARD RAYNHAM ; GARY B MCALISTER

Agent(s): CALLINANS ; SPRUSON AND FERGUSON ; FISHER ADAMS KELLY CALLINANS ; NORTON ROSE CANADA SENCRL SRL LLP ; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL ; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB ; TUNSTALL CHRISTOPHER STEPHEN ; CARPMAELS AND RANSFORD ; CARPMAELS AND RANSFORD LLP ; KATO MASANOBU ; JOHNSON PHILIP S ET AL

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

Title: **BRAIDED** ENDOLUMINAL DEVICE HAVING TAPERED **FILAMENTS**

Abstract: A stent comprising a plurality of continuous **filaments braided** together, at least one **filament** comprising a tapered **filament** having at least one first region having a first, relatively-larger cross-sectional area and at least one second region having a second, relatively-smaller cross-sectional area. The stent itself may have a tapered diameter, such as from one end to the other. A method for treating a lumen with the stent is also claimed

Classifications:

International (IPC 8-9): A61F2/00 A61F2/06 A61F2/82 A61F2/84

A61F2/90 A61L31/00 D04C1/06 D04C3/48 (Advanced/Invention);

A61F2/00 A61F2/06 A61F2/82 A61F2/84 A61L31/00

A61L31/02 (Advanced/Non-invention);

A61L31/02 (Core/Non-invention)

International (IPC 1-7): A61F2/06 A61F2/82 A61L31/00 A61M29/02 D04C1/00

CPC: A61F2220/0008 A61F2230/0067 A61F2220/0016 A61F2230/001

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A61F2002/072

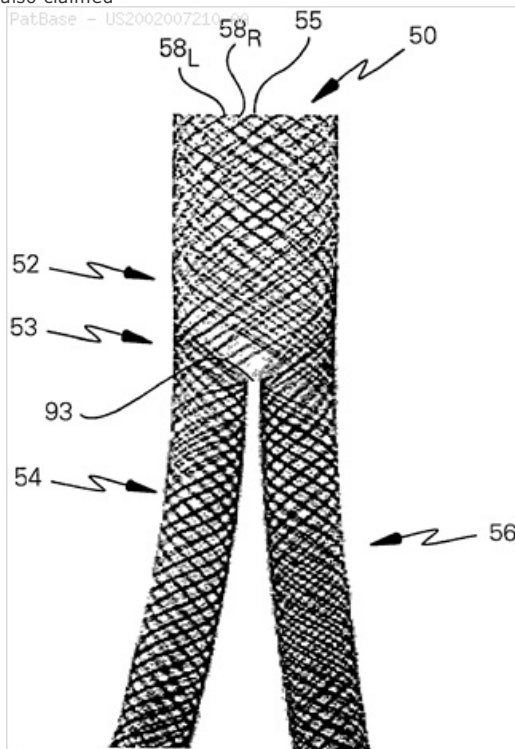
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K61F250/00N19 N10B509/06

US: 606/200 623/1.13 623/1.15 623/1.150P 623/1.35 623/1.350P

623/1.53 623/1.530P 623/11.5 623/13.5 623/15.3 87/11 87/33 87/41 87/8



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20000494704 20000131	US20000494980 20000131	US20000677905 20001003
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Probable Assignee: LIFESHIELD SCIENCES LLC

Assignee(s): (std): BOSTON SCIENT LTD ; BOSTON SCIENT SCIMED ; BOSTON SCIENT SCIMED INC ; BOSTON SCIENTIFIC LTD ; ROBERTS GEORGE T ; SCIMED LIFE SYSTEMS INC ; PEIFFER DENNIS A

Assignee(s): SCIMED LIFE SYSTEMS ; HAVERKOST PATRICK A ; LIFESHIELD SCIENCES LLC ; ACACIA RESEARCH GROUP LLC ; BOSTON SCIENTIFIC SCIMED ; BOSTON SCIENTIFIC SCIMED INC ; CHOUINARD PAUL F ; BOSTON SCIENTIFIC LIMITED

Inventor(s): (std): CHOUINARD PAUL F ; HAVERKOST PATRICK A ; PEIFFER DENNIS A ; WHITE BRADLEY R ; WHITE R ; ROBERTS T ; PEIFFER A ; PAUL F CHOUINARD ; PATRICK A HAVERKOST ; HAVERKOST A ; DENNIS A PEIFFER ; CHOUINARD F ; ROBERTS GEORGE T

Inventor(s): BRADLEY R WHITE ; GEORGE T ROBERTS

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; BLAKE CASSELS AND GRAYDON LLP; RATNER PRESTIA; RATNERPRESTIA; BROOKS CAMERON AND HUEBSCH PLLC

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 PH 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

Title: FASTENING ASSEMBLIES FOR DISC HERNIATION REPAIR AND METHODS OF USE

Abstract: Devices and methods for fixing defects in the annulus fibrosus (vertebral disc) of a patient are described. The devices include a mesh patch, and first and second suture assemblies, each of which include an anchor and a suture. The anchor has a first portion adapted to be inserted into a bone and a second portion having an opening therethrough. The suture is adapted to be disposed through the opening and has a first end adapted to couple to the mesh patch. The method of treatment includes inserting the first portion of the first anchor into a cranial vertebra and inserting the second portion of the second anchor into a caudal vertebra. The first ends of the sutures are attached to the mesh patch. The mesh patch is positioned adjacent the defect by pulling on, or applying tension to, the second ends of the sutures.

Classifications:

International (IPC 8-9): A61B17/03 A61B17/04 A61B17/06 A61B17/068 A61B17/08 A61B17/11 A61B17/115 A61B17/12 A61B17/58 A61B17/70 A61B17/84 A61B17/86 A61B17/88 A61F2/44 A61F7/00 (Advanced/Invention); A61B17/00 A61B17/04 A61B17/064 A61B17/80 A61B17/84 A61F2/30 A61F2/44 (Advanced/Non-invention); A61B17/03 A61B17/04 A61B17/06 A61B17/068 A61B17/12 A61B17/58 A61B17/70 A61F2/44 (Core/Invention)

CPC: A61F2/44 A61B17/7032 A61B17/7067 A61B17/7076 A61B17/8861 A61F2/4611 A61F2002/30604 A61F7/00 A61F2002/4651 A61F7/12 A61F2007/0024 A61F2007/0071 A61F2007/126 A61F2002/30156 A61B17/70 A61B17/7061 A61B17/742 A61B17/864 A61B2017/1651 A61B2217/005 A61F2/4455 A61F2002/2817 A61F2002/449 A61B17/06109 A61B17/0644 A61B2017/00849 A61B2017/00867 A61B2017/0409 A61B2017/0427 A61B2017/044 A61B2017/0608 A61F2002/30075 A61F2002/30092 A61F2002/30125 A61F2002/30166 A61F2002/30235 A61F2002/30772 A61F2002/30841 A61F2002/3085 A61F2210/0014 A61F2210/0061 A61F2/0063 A61F2002/30579 A61B17/0485 A61B17/0487 A61B17/06061 A61B17/842 A61B2017/0414 A61B2017/0496 A61F2002/30677 A61F2230/0008 A61F2230/0023 A61F2230/0069 A61F2310/00365 A61B17/0482 A61B2017/047

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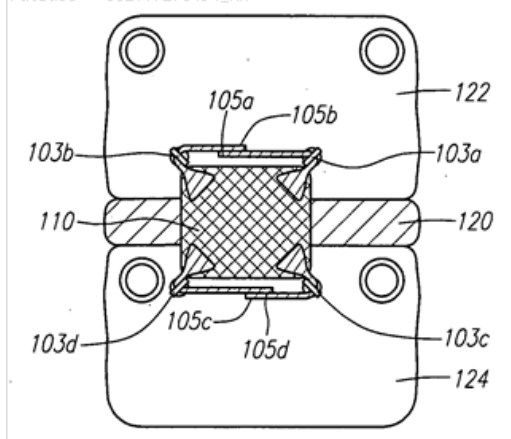
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PatBase - US2007276494_AA



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Probable Assignee: SUTURE CONCEPTS INC

Assignee(s): (std): ANOVA CORP ; FERREE BRET A ; SUTURE CONCEPTS INC

Inventor(s): (std): FERREE BRET A

Agent(s): HARRISON GODDARD FOOTE; OMELVENY AND MYERS LLP; O"MELVENY AND MYERS LLP, IP AND T CALENDAR DEPARTMENT LA-1118; OMELVENY AND MYERS LLP IP AND T CALENDAR DEPARTMENT LA 1118; GIFFORD KRASS SPRINKLE ANDERSON AND CITKOWSKI PC; PANDISCIO AND PANDISCIO; KAPPOS JOHN ET AL; POSA JOHN G; POSA JOHN G 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 ZA ZM ZW

Title: SURGICAL **SUTURES** INCORPORATED WITH STEM CELLS OR OTHER BIOACTIVE MATERIALS

Abstract: Materials and Methods for immobilizing bioactive molecules, stem and other precursor cells, and other agents of therapeutic value in surgical **sutures** and other tissue scaffold devices are described herein. Broadly drawn to the integration and incorporation of bioactive materials into **suture** constructs, tissue scaffolds and medical devices, the present invention has particular utility in the development of novel systems that enable medical personnel performing surgical and other medical procedures to utilize and subsequently reintroduce bioactive materials extracted from a patient (or their allogenic equivalents) to a wound or target surgical site.

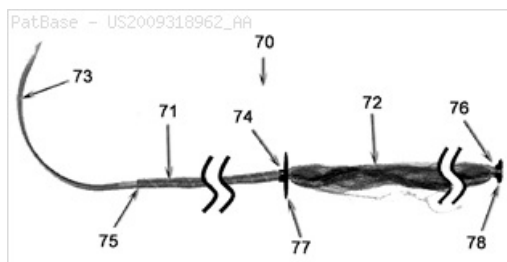
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International (IPC 8-9): A61B17/04 A61B17/06 A61B17/064 A61F2/00 A61F2/02 A61L A61L17/00 A61L17/06 A61L17/08 A61L27/00 A61L27/38 A61L31/00 C12N11/00 D06B1/10 (Advanced/Invention); A61B17/00 A61B17/06 A61B17/064 A61F2/02 A61L17/08 A61L27/38 C12N5/071 (Advanced/Non-invention); A61B17/04 A61F2/00 A61L17/00 (Core/Invention); A61F (Subclass/Invention)

CPC: A61B17/06114 A61B2017/00884 A61B2017/00893 A61L17/06 A61L2300/404 A61L2300/42 A61L2300/604 A61L2300/64 D06B1/10 A61B2017/06185 A61L2300/414 A61L2300/45 A61L17/005 A61B17/06166

European: A61B17/06S A61L17/00C A61L17/06 K61B17/00S19 K61B17/00S21 K61B17/06P K61L300/404 K61L300/420 K61L300/604 K61L300/640

US: 1/1 206/572 206/572S 206/63.3 206/63.300S 28/169 606/228 606/228P



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CN102076280 A	20110525	CN200980124331	20090623
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US2009318962 AA	20091224	US20090489557	20090623
US2015051643 AA	20150219	US20140518535	20141020
US2018008744 AA	20180111	US20160269802	20160919
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Priority:

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Probable Assignee: BIOACTIVE SURGICAL INC

Assignee(s): (std): BIOACTIVE SURGICAL INC ; LAURA PINGEL ; LEW SCHON ; PINGEL LAURA ; PINGEL LAURA J ; RICHARD SPEDDEN ; SCHON LEW ; SPEDDEN RICHARD ; SPEDDEN RICHARD H ; SCHON LEW C

Inventor(s): (std): PINGEL LAURA ; PINGEL LAURA J ; SCHON LEW ; SCHON LEW C ; SPEDDEN RICHARD ; SPEDDEN RICHARD H ; RICHARD SPEDDEN ; LEW SCHON ; LAURA PINGEL

Agent(s): SMART AND BIGGAR; BERESKIN AND PARR LLP SENCRL SRL; TEIPEL STEPHAN; JMB DAVIS BEN DAVID; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; SMITH PATENT CONSULTING LLC; FOLEY AND LARDNER LLP; MICHEL; MOSES; JAMES F; FOLEY AND LARDER LLP; SMITH CHALIN

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

Title: ANEURYSM TREATMENT DEVICES AND METHODS

Abstract: An aneurysm treatment device for **in situ** treatment of aneurysms comprises a collapsible member having a first shape wherein the first shape is an expanded geometric configuration, and a second shape, wherein the second shape is a collapsed configuration that is loadable into a catheter. The aneurysm treatment device is capable of returning to the first shape **in** the sac of an aneurysm upon deployment, where it occludes the aneurysm.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/08
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A61B17/00 A61B17/03 A61B17/12 A61F2/00 A61F2/06 A61F2/82

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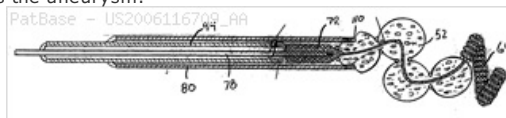
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US: 156/60 156/60S 424/423 424/423P 606/144 606/158 606/158S 606/194 606/194S 606/200 606/200P



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Priority:

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Probable Assignee: BIOMERIX CORP

Assignee(s): (std): ABOYTES MARIA ; ABOYTES MARIA G ; ABOYTES RICARDO ; BIOMERIX CORP ; BIOMETRIX CORP ;
SEPETKA IVAN ; JORDAN MAYBELLE ; FRIEDMAN CRAIG D ; DATTA ARINDAM ; FRIEDMAN CRAIG F ;
FRIEDMAN CRAIG ; MEYER STEVEN ; LAVELLE LAWRENCE P ; BOLOS BRENDON ; KABE ARUNDHATI

Inventor(s): (std): ABOYTES MARIA G ; BOLOS BRENDON ; FRIEDMAN CRAIG ; FRIEDMAN CRAIG F ; KABE ARUNDHATI ;
LAVELLE JR LAWRENCE P ; MEYER STEVEN ; SEPETKA IVAN ; JORDAN MAYBELLE ; FRIEDMAN CRAIG D ;
DATTA ARINDAM ; ABOYTES RICARDO ; ABOYTES MARIA ; RICARDO ABOYTES ; IVAN SEPETKA ;
LAVELLE LAWRENCE P

Inventor(s): MAYBELLE JORDAN ; MARIA ABOYTES ; CRAIG D FRIEDMAN ; ARINDAM DATTA ; MARIA G ABOYTES

Agent(s): ALLENS ARTHUR ROBINSON PATENT AND TRADE MARKS ATTORNEYS; ALLENS PATENT AND TRADE
MARK ATTORNEYS; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT
ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OSLER HOSKIN AND
HARCOURT LLP; TERGAU DIETRICH; WOLF BLOCK SHORR AND SOLIS-COHEN LLP; WOLF BLOCK
SHORR AND SOLIS COHEN LLP; WHITE AND CASE LLP, PATENT DEPARTMENT; WHITE AND CASE LLP
PATENT DEPARTMENT; WILLIAM H DIPPERT ECKERT SEAMANS CHERIN AND MELLOTT LLC; PILLSBURY
WINTHROP SHAW PITTMAN LLP; DIPPERT WILLIAM H

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

Title: AUTOMATED SYSTEMS AND METHODS FOR MAKING **BRAIDED** BARBED **SUTURES**

Abstract: A system for making **braided** barbed **sutures** includes a **filament** winding assembly, and a guide assembly including at least one barbed insert dispenser opening defining a passageway for orienting a barbed insert. The guide assembly is adapted to dispense at least one barbed insert from the dispenser opening into the **filament** winding assembly for winding a plurality of **filaments** around the at least one barbed insert for making a **braided** barbed **suture**. The passageway of the dispenser opening is adapted to allow longitudinal movement of the barbed insert relative to the passageway while simultaneously preventing **twisting** movement of the barbed insert relative to the passageway. As the barbed insert is being dispensed, the barbed insert dispenser opening is selectively rotatable for imparting rotation to the barbed insert as the **filaments** are wound about the barbed insert. The passageway may be an elongated slit having a greater width than height.

Classifications:

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

A61L17/00 D04C3/00 D04C3/40 D04C3/42

D04C3/48 (Advanced/Invention);

A61B17/00 (Advanced/Non-invention)

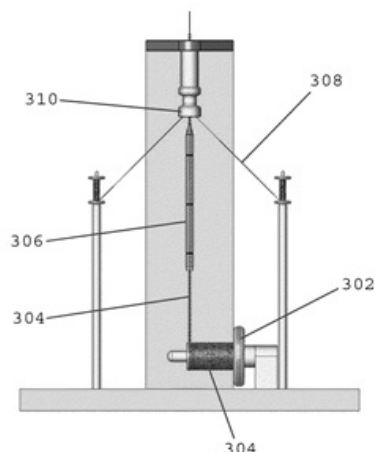
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European: A61B17/06S D04C3/48 K61B17/00M K61B17/06S4

US: 1/1 606/228 606/228S 87/30 87/34 87/34P

PatBase - US2011048216_AA

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Family:

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Priority:

US20090548984 20090827

EP20100749580 20100827

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US20120463883 20120504

US20140286054 20140523

Probable Assignee: ETHICON INC

Assignee(s): (std): ETHICON INC ; HRISTOV KRASIMIRA ; PERKINS JASON T ; NAWROCKI JESSE G ; TANNHAUSER ROBERT J ; LINDH DAVID C SR ; LINDH SR DAVID C

Assignee(s): LINDH DAVID C ; ETHICON INC SOMERVILLE ; EHTIKON INK

Inventor(s): (std): HRISTOV KRASIMIRA ; KHRISTOV KRASIMIRA ; KRASIMIRA HRISTOV ; LIND DEVID K SR ; LINDH DAVID ; LINDH DAVID C ; LINDH DAVID C SR ; LINDH SR DAVID C ; NAWROCKI JESSE ; NAWROCKI JESSE G ; NOROKI DZHESS G ; PERKINS JASON ; PERKINS JASON T ; PERKINS DZHEJSON T ; TANNHAUSER ROBERT ; TANNHAUSER ROBERT J ; TEHNKHOSER ROBERT DZH

Inventor(s): DAVID C LINDH SR ; ROBERT J TANNHAUSER ; LINDH SR ; JASON T PERKINS ; JASON T PERKINS ; JESSE G NAWROCKI

Agent(s): CALLINANS; SPRUSON AND FERGUSON; FISHER ADAMS KELLY CALLINANS; NORTON ROSE CANADA SENCRL SRL LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; JAMES ANTHONY CHRISTOPHER W P; KIRSCH SUSAN EDITH; IZQUIERDO MARIA ALICIA; DOHERTY AND CHARNEY LLC; DOHERTY IP LAW GROUP LLC; JOHNSON PHILIP S 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

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Title: DRUG-ELUTING SELF-RETAINING **SUTURES** AND METHODS RELATING THERETO

Abstract: A drug-eluting self-retaining **suture** comprises a **filament**, a plurality of retainers, and a drug impregnated **in** or coated on the **filament**. The shape and distribution of retainers modifies the **in vivo** release kinetics of the drug. The drug release kinetics may be modified uniformly or region by region. The self-retaining **suture** may for example be used for reattaching severed nerves and release nerve growth factor or other regeneration accelerating agents into the region of the nerve injury.

Classifications:

International (IPC 8-9): A61B A61B17/00 A61B17/04 A61B17/06 A61L A61L17/00 A61L17/10 A61L17/14 A61L27/54 A61M37/00 D02G3/44 D02J D02J3/00 D02J3/02 (Advanced/Invention); A61B A61L D02J (Subclass/Invention)

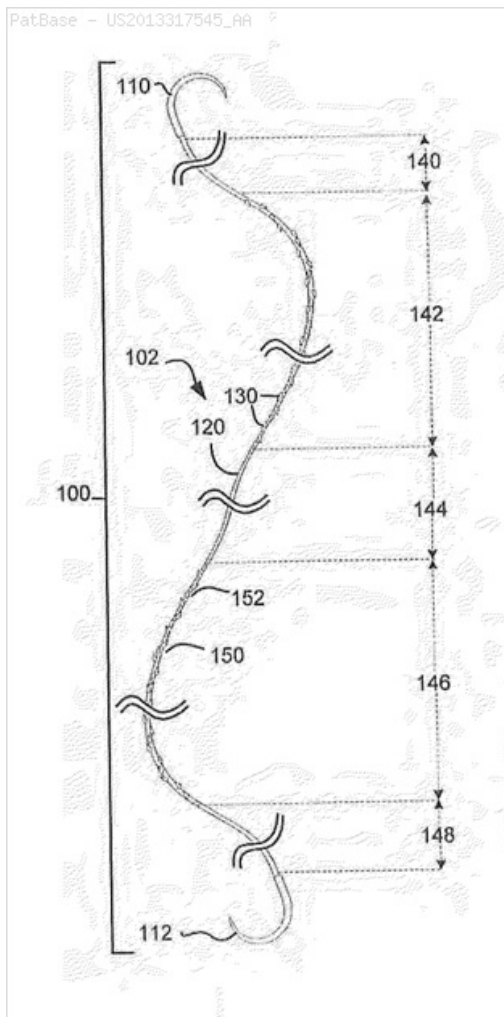
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European: A61B17/04A A61L17/00C K61B17/00M K61B17/00S21

K61B17/06D K61B17/06N3 K61B17/06S4 K61L300/414

US: 606/230



Family:

Publication number	Publication date	Application number	Application date
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US2013317545 AA	20131128	US20110883066	20111103
WO12061658 A2	20120510	WO2011US59238	20111103
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Priority:

US20100409731P 20101103 JP20130537843T 20111103 WO2011US59238 20111103
 US20110883066 20111103 NZ20110610341 20111103 JP20160117827 20160614

Probable Assignee: ETHICON INC

Assignee(s): (std): AVELAR RUI ; CROW BRENT B ; D AGOSTINO WILLIAM L ; GRIFFIN NICKOLAS B ; GROSS JEFFREY M ; DRUBETSKY LEV ; ETHICON LLC ; ANGIOTECH PHARM INC ; ETIKON ELELSI ; NAIMAGON ALEXANDER ; NELSON KEVIN DON ; TISSUEGEN INC

Assignee(s): QUILL MEDICAL INC ; WELLS FARGO CAPITAL FINANCE LLC COLLATERAL AGENT AS ; ETHICON LLC TISSUEGEN INC ; ANGIOTECH PHARMACEUTICALS INC ; ETHICON INC

Inventor(s): (std): AVELAR RUI ; CROW BRENT B ; D AGOSTINO WILLIAM L ; DAGOSTINO WILLIAM L ; DRUBETSKY LEV ; GRIFFIN NICKOLAS B ; GROSS JEFFREY M ; NAIMAGON ALEXANDER ; NELSON KEVIN DON ; TISSUEGEN INC ; WILLIAM L D AGOSTINO ; RUI AVELAR ; NICKOLAS B GRIFFIN ; LEV DRUBETSKY ; KEVIN DON NELSON ; JEFFREY M GROSS ; ALEXANDER NAIMAGON ; NAJMAGON ALEKSANDER ; KROU BRENT B ; GROSS DZHEFFRI M ; GRIFFIN NIKOLAS B ; DRUBETSKI LEV ; D AGOSTINO UILLYAM L ; AVELAR RYUI ; BRENT B CROW

Inventor(s): ALEXANDERNAIMAGON ; TISSUEGEN ; INC

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; SMALL GARY JAMES; KATO MASANOBU; PARKER DAVID W

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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

Title: Method and apparatus for creating intrauterine adhesions

Abstract: An apparatus and method of use or treatment are disclosed for creating intrauterine adhesions resulting in amenorrhea. In particular, the apparatus relates to an easily deployed intrauterine implant that readily and consistently reduces or eliminates abnormal intrauterine bleeding. In addition, the apparatus is also used as a uterine marker device for visualizing endometrial tissue thickness and potential changes. The method of the present invention serves as a supplement to or a replacement for conventional hysterectomy or ablation/resection procedures used to treat menorrhagia.

Classifications:

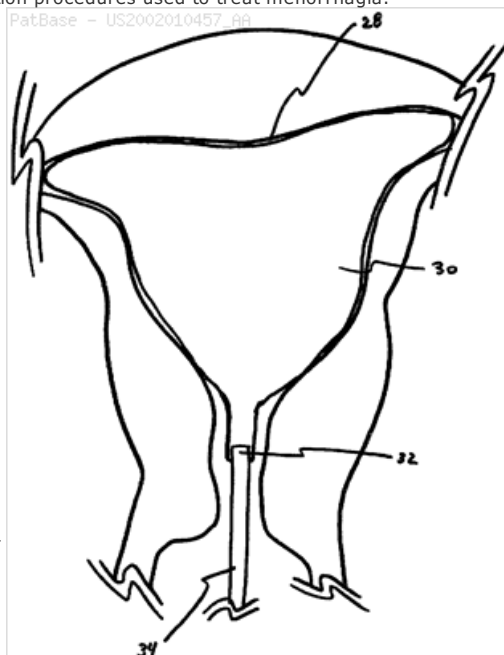
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International (IPC 1-7): A61B17/42 A61B18/18 A61B19/00 A61B5/05 A61B6/00 A61F2/00 A61F2/04 A61F2/06 A61F6/00 A61F6/06 A61F6/14 A61F6/16 A61F6/18 A61K31/41 A61K31/74 A61M29/00 A61M29/02 A61M31/00

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US: 128/830 128/833 128/839 128/898 424/422 424/422P 600/407 600/407S 600/431 600/431P 600/431S 604/11 604/11S 604/515 604/515P 604/515S 606/151 606/151P 606/193 606/193P 623/1.15 623/1.150S



Family:

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Priority:

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Probable Assignee: AUB HOLDINGS LLC

Assignee(s): (std): COAD JAMES ELLIOTT ; DANIELSON PAUL ; DUCHON DOUGLAS J ; GIRARD MICHAEL J ; PRESTHUS

JAMES ; IMPRES MEDICAL INC ; IMPRES MEDICAL INC ; PETERSON KAREN ELIZABETH

Assignee(s): IMPRES MEDICAL INC DELAWARE ; AUB HOLDINGS LLC ; JOHNSON AND JOHNSON DEVELOPMENT CORP ; IMPRES MEDICAL INC (DELAWARE) ; GYNOLOGIX INC

Inventor(s): (std): PRESTHUS JAMES ; PETERSON KAREN ELIZABETH ; PETERSON KAREN E ; DUCHON DOUGLAS J ; GIRARD MICHAEL J ; DANIELSON PAUL ; COAD JAMES ELLIOTT ; COAD JAMES E

Inventor(s): COAD JAMES ; DUCHON DOUGLAS ; DOUGLAS J DUCHON ; GIRARD MICHAEL ; PETERSON KAREN ; JAMES PRESTHUS

Agent(s): CALLINANS; SPRUSON AND FERGUSON; FISHER ADAMS KELLY CALLINANS; SMART AND BIGGAR; INSKEEP INTELLECTUAL PROPERTY GROUP INC; INSKEEP IP GROUP INC

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

Title: SURGICAL REPAIR ARTICLE BASED ON HPPE MATERIAL

Abstract: The invention relates to a surgical repair article, comprising a structural member of high performance **polyethylene** (HPPE) **filament**(s). The invention also relates to a method of making such a surgical repair article, and to a kit of parts comprising the article. The surgical repair article comprises a structural member of high performance **polyethylene** (HPPE) **filament**(s), and a biodegradable coating applied to the surface of the structural member, wherein the coating comprises a sot/gel produced inorganic oxide and a biologically active compound incorporated therein. The article combines high tensile strength, biocompatibility and favourable bioactive compound delivery characteristics.

Classifications:

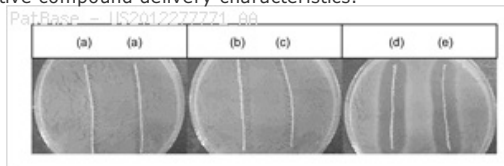
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D06M15/227 (Advanced/Invention);
A61L (Subclass/Invention)

International (IPC 1-7): A61L17/00 A61L17/04 A61L17/10

CPC: C08L23/06 A61L17/145 A61L17/005 A61L17/10 A61L2300/404
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European: A61L17/00C A61L17/10 A61L17/14C K61L300/404 K61L300/414 K61L300/604 K61L300/606 N10B509/04

US: 1/1 424/443 427/2.1 427/2.31 514/721 606/151 606/228



Family:

Publication number	Publication date	Application number	Application date
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Priority:

EP20090167348 20090806 EP20090175938 20091113 CN201080034933 20100805
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Probable Assignee: ROYAL DSM NV

Assignee(s): (std): DSM IP ASSETS BV ; ROYAL DSM NV ; VAN DEN BOSCH EDITH ELISABETH ; VAZ CLAUDIA MARIA ;
VAN DEN BOSCH EDITH ELIZABETH ; ABEN GERARDUS

Assignee(s): DSM IP ASSETS B V

Inventor(s): (std): ABEN GERARDUS ; BOSCH EDITH ELISABETH VAN DEN ; CLAUDIA MARIA VAZ ; DEN BOSCH EDITH
ELISABETH VAN ; EDITH ELISABETH VAN DEN BOSCH ; ELISABETH DEN BOSCH EDITH VAN ;
GERARDUS ABEN ; MARIA VAZ CLAUDIA ; VAN DEN BOSCH EDITH ELISABETH ; VAN DEN BOSCH
EDITH ELIZABETH ; VAZ CLAUDIA MARIA

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; HANSEN JESPER ROEMER; LEHMANN MARIA
ISABEL; NIXON AND VANDERHYE PC; HANSEN JESPER

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

Title: JOINING ELEMENT

Abstract: Disclosed is a joining element (10), especially a **suture** material for surgical use. Said joining element (10) is composed of a first material (12) that is essentially rigid during impingement by a relatively short-lasting tensile load on opposite sides as well as a second material (11) which is connected to the first material. The second material is substantially rigid during impingement by said tensile load on opposite sides while contracting slowly during a second period of time that is longer than the first period of time.

Classifications:

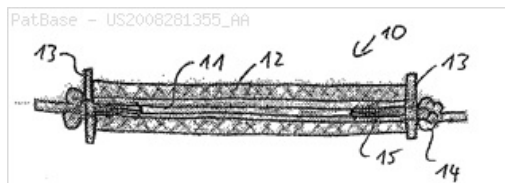
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International (IPC 1-7): A61L27/50

CPC: A61B17/06166 B29C61/0608 A61B17/04 A61L17/00

European: A61L17/00 B29C61/06B

US: 606/228

**Family:**

Publication number	Publication date	Application number	Application date
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IN201728032814 A	20171110	IN201728032814	20170916
IN288002 B	20171006	IN2007MN01642	20071009
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Priority:

CH2005000834	20050504	CH20050083405	20050504	JP20080509452	20060504
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JP20170247503	20171225				

Probable Assignee: DEPUY SYNTHES PRODUCTS INC

Assignee(s): (std): DEPUY SYNTHES PRODUCTS INC ; DEPUY SYNTHES PRODUCTS LLC ; ETECH AG ; GANZ JOCHEN ; HERTEL RALPH ; KELLER BEAT ; MAYER JOERG ; SINTEZ GMBKH ; SYNTHES GMBH ; R AND D CONCEPTS AG

Assignee(s): HAND INNOVATIONS LLC ; MAYER JORG ; RAND D CONCEPTS AG ; SYNTHES GMBHEIMATTSTRASSE 3CH-2544BETTLACHCH ; R AND D CONCEPTS AG5 AMMANNSTRASSE3074MURI BEI BERNCH ;

SYNTHES USA LLC1302 WRIGHTS LANE EASTWEST CHESTERPA19380US ; SYNTHES USA LLC ; ETECH
AGWAGISTRASSE 6CH-8952SCHLIERENCH ; DEPUY SPINE LLC

Inventor(s): (std): GANTS JOKHEN ; GANZ JOCHEN ; HERTEL RALPH ; KHERTEL RAL F ; MAJER JORG ; MAYER JOERG ;
MAYER JORG ; RALPH HERTEL ; JOERG MAYER ; JOCHEN GANZ ; BEAT KELLER ; JORG MAYER ; KELLER
BEAT

Inventor(s): KELLER BEATCH ; KHERTEL' RAL'F ; JRG MAYER ; MAYER JORGCH ; HERTEL RALPHCH ; GANZ
JOCHENCH

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; CASSAN MACLEAN; CASSAN
MACLEAN IP AGENCY INC; SPARING ROEHL HENSELER; LIEBETANZ MICHAEL ET AL; LUSUARDI
WERTHER; SANFORD TCOLB AND CO; KATO MASANOBU; BROWDY AND NEIMARK PLLC 624 NINTH
STREET NW; BAKER AND HOSTETLER LLP

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

Title: **BRAIDED SUTURE** COAT

Abstract: High-consistency nonabsorbable **braided suture** stock of specified size is prepared from **twisted multifilament** strands **braided** together with a tightness of weave of less than 60 **picks/inch**. The **suture** stock can be cut to provide **sutures**, which may be combined with needles to provide surgical **sutures** for wound closure.

Classifications:

International (IPC 8-9): A61B A61B17/00 A61B17/04 A61B17/06 A61L17/00 A61L17/04 A61L17/10 C08L23/06 C08L77/00 D02G3/44 D03D1/00 (Advanced/Invention);
A61B17/00 (Advanced/Non-invention);
A61B17/04 (Core/Invention);
A61B (Subclass/Invention)

International (IPC 1-7): A61B17/04 A61B17/06

CPC: A61B17/06 C08L23/06 C08L77/00 D02G3/448 A61B17/06166 A61B17/04 A61B2017/00526 A61L17/10 D10B2509/04 A61L17/105 A61L17/04 D04C1/06

Family:

Publication number	Publication date	Application number	Application date
AU2015343154 AA	20160512	AU20150343154	20151104
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Priority:

US20140075090P 20141104 US20150523846 20151104 WO2015US59081 20151104

Probable Assignee: SURGICAL SPECIALTIES CORP

Assignee(s): (std): SURGICAL SPECIALTIES CORP

Assignee(s): HALLETT BRIAN S

Inventor(s): (std): HALLETT BRIAN S ; BRIAN S HALLETT

Agent(s): SPRUSON AND FERGUSON; BENOIT AND COTE INC; CAROLINA MERCEDES DAZA MONTALVO; SALISBURY FRANCES; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP; PARKER DAVID W

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

Title: AMORPHOUS POLYMERIC POLYAXIAL INITIATORS AND COMPLIANT CRYSTALLINE COPOLYMERS THEREFROM

Abstract: An absorbable crystalline, monocentric polyaxial copolymer comprising a central carbon or nitrogen atom and at least three axes, each of which includes an amorphous flexible component adjacent and originating from the central atom and a rigid, crystallizable component extending outwardly from the amorphous, flexible component is disclosed along with the use of such copolymer in medical devices which may contain a bioactive agent. The present invention also relates to a suture, stents, stent mantles and sealing devices made from the polyaxial copolymer.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/12 A61F2/06 A61F2/82 A61F2/84 A61K31/78 A61L17/00 A61L17/10 A61L17/12 A61L27/18 A61L27/54 A61L27/58 A61L29/00 A61L31/06 A61L31/14 A61L31/16 A61P3/06 B05C5/04 B05D3/14 B05D7/14 B29C47/00 C08F265/04 C08G63/08 C08G63/64 C08G69/08 (Advanced/Invention); A61B17/04 A61B17/12 (Advanced/Non-invention); A61B17/04 A61B17/12 A61F2/06 A61F2/82 A61K31/74 A61L17/00 A61L27/00 A61L31/04 A61L31/14 A61P3/00 B29C47/00 C08G63/00 (Core/Invention)

International (IPC 1-7): A61B17/00 A61B17/04 A61B17/12 A61F2/06 A61K31/78 A61L17/12 A61L31/06 A61M29/02 A61P3/06 C08G2/00 C08G63/00 C08G63/08 C08G63/64 C08G69/08

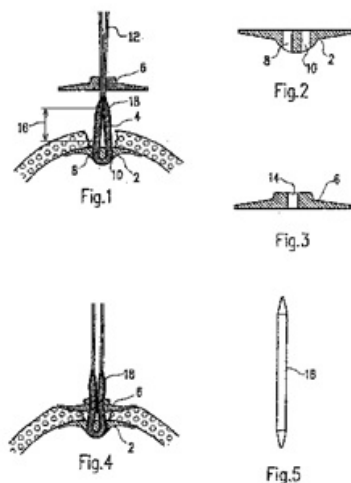
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European: A61F2/82 A61L17/00C A61L17/10B A61L17/12 A61L27/18 A61L27/54 A61L27/58 A61L31/06 A61L31/10 A61L31/14H A61L31/14K A61L31/16 C08G63/08 C08G63/64 K61F250/00W5 K61L300/00 K61L300/416 K61L300/420 M08G63/08 M08G63/64

US: 118/621 128/898 427/2.1 427/2.24 427/2.25 427/2.250P 428/34.1 428/341 428/36.9 428/36.900P 428/369 428/411.1 428/480 523/1.15 523/11.5 525/255 525/295 525/308 525/386 525/408 525/411 525/413 525/415 525/418 525/418P 525/439 525/439S 526/297 526/298 526/310 526/312 526/319 528/220 528/220P 528/310 528/310P 528/354 528/354P 528/355 528/357 528/358 528/359 528/359S 528/361 528/363 606/228 606/228P 606/228S 606/229 606/230 606/231 623/1.1 623/1.15 623/1.150S 623/1.2 623/1.42 623/1.46 623/1.49 623/1.490S 623/1.54 623/10.15 623/11.5

PatBase - US2002161168_AA

Patent Application Publication Oct. 31, 2002 Sheet 1 of 3 US 2002/0161168 A1



Family:

Publication number	Publication date	Application number	Application date
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AT368065 E	20070815	AT20000104685T	20001103
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WO03037957 A1	20030508	WO2002SE01974	20021031

Priority:

US19990167998P 19991130	US20000698527 20001027	EP20000981983 20001103
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Probable Assignee: POLY MED INC

Assignee(s): (std): GOLDMANN HELMUT ; LINDSEY JAMES M ; MATHISEN TORBJOERN ; MERCKLE CHRISTOF ; POLY MED INC ; SHALABY SHALABY W

Assignee(s): PREINIZ FREDRIK ; PREINIZ FREDRICK ; POLY MED INC ANDERSON ; MATHISEN TORBJORN ; AKERFELDT DAN ; AKERFELT DAN ; EGNELOV PER

Inventor(s): (std): AAKERFELDT DAN ; AKERFELDT DAN ; EGNELOV PER ; MATHISEN TORBJOERN ; MATHISEN TORBJORN ; PREINIZ FREDRIK ; SHALABY S W DR ; SHALABY SHALABY W ; SHALABY W ; SHALABY S W ; MERCKLE CHRISTOF ; LINDSEY JAMES M ; GOLDMANN HELMUT ; EGNELOEV PER

Inventor(s): DAN AKERFELDT ; FREDRIK PREINIZ ; S W SHALABY ; PER EGNELOV ; SHALABY SW DR ; SHALABY SW ; SHALABY SHALABY ; SHALABY S ; KERFELDT DAN ; AND X212B

Agent(s): MATSUMOTO KEN; CHIBA AKIO; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; LEIGH P GREGORY ATTORNEY AT LAW; LEIGH P GREGORY; LEIGH P; GREGORY ATTORNEY AT LAW LEIGH P; MCCORMICK PAULDING AND HUBER LLP

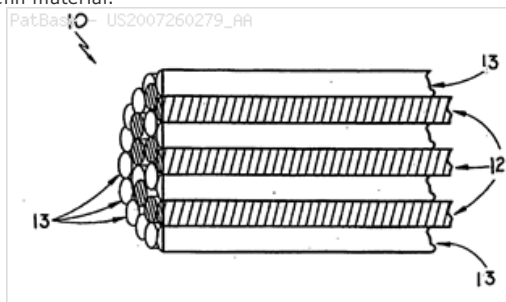
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Title: YARNS CONTAINING THERMOPLASTIC ELASTOMER COPOLYMER AND POLYOLEFIN **FILAMENTS**

Abstract: **Braids** and surgical devices are made from yarns that include at least one **filament** made from a thermoplastic elastomer copolymer and at least one **filament** made from a polyolefin material.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/03 A61B17/04 A61B17/06 A61L17/00 A61L17/04 A61L17/10 A61L31/04 A61L31/06 D01F6/04 D01F6/86 D02G3/04 D02G3/36 D02G3/44 D04C1/02 (Advanced/Invention); A61B17/04 A61B17/06 A61L31/04 (Advanced/Non-invention); A61B17/00 A61B17/03 A61B17/04 A61B17/06 A61L17/00 A61L31/04 D01F6/04 D01F6/78 D02G3/04 D02G3/36 D02G3/44 D04C1/00 (Core/Invention); A61B17/04 A61B17/06 A61L31/04 (Core/Non-invention)
CPC: Y10T428/2929 A61L17/105 D02G3/448 C08L23/00 A61B17/06166 A61B17/0401 A61B2017/0409 A61B2017/0414 A61B2017/044 A61B2017/0454 A61B2017/0458 A61B2017/06028 A61B2017/0619 A61L17/04
European: A61B17/04A A61B17/06S A61L17/04 A61L17/10B D02G3/44H K61B17/04A30 K61B17/04A40C K61B17/04A40L K61B17/04A5 K61B17/04A8 K61B17/06A9 K61B17/06S9
US: 428/373 428/373P 606/228 606/228P



Family:

Publication number	Publication date	Application number	Application date
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CA2583201 AA	20071006	CA20072583201	20070330
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Priority:

US20060789950P 20060406 CA20072583201 20070330 US20070732997 20070405
 EP20070007177 20070405 US20080189845 20080812 CA20092671657 20090710

Probable Assignee: TYCO HEALTHCARE GROUP LP

Assignee(s): (std): CUEVAS BRIAN ; HOTTER JOSEPH ; TYCO HEALTHCARE

Assignee(s): TYCO HEALTHCARE GROUP LP ; CUEVAS BRIAN J ; COVIDIEN LP

Inventor(s): (std): CUEVAS BRIAN ; CUEVAS BRIAN J ; HOTTER JOSEPH ; BRIAN HOTTER JOSEPH CUEVAS

Inventor(s): BRIAN J CUEVAS ; BRIAN CUEVAS ; HOTTER JOSEPH CUEVAS BRIAN ; JOSEPH HOTTER

Agent(s): SPRUSON AND FERGUSON; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; HOFFMANN EITL; SOAMES CANDIDA JANE; COVIDIEN; TYCO HEALTHCARE GROUP LP

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 MT NL NO PL PT RO RS SE SI SK SM TR YU

Title: STENT AND STENT-GRAFT FOR TREATING BRANCHED VESSELS

Abstract: An implantable stent and stent-graft for treating a patient having a relatively healthy first aorta portion upstream from a renal artery branch, and a diseased aorta portion downstream from the renal artery branch. One embodiment of the device includes a fixation section, a renal artery branch section and a diseased aorta section, all of which can be tubular, radially compressible and self-expandable structures formed from a plurality of **filaments** which are helically wound **in** a **braided** configuration. When the device is implanted and **in** its expanded state, the fixation section engages the first aorta portion upstream from a renal artery branch to provide substantial anchoring support. The diseased aorta section engages the portion of the aorta downstream from the renal artery branch and extends across the diseased portion of the aorta for purposes of treatment. The renal artery branch section extends across the renal artery branch and connects the diseased aorta section to the fixation section while allowing blood flow between the aorta and renal artery branch.

Classifications:

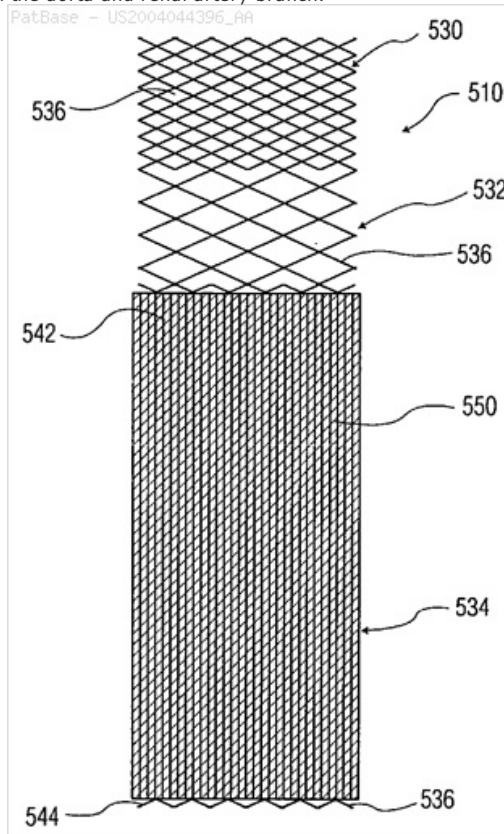
International (IPC 8-9): A61F2/06 A61F2/07 A61F2/82 A61F2/84 A61F2/856 A61F2/89 A61F2/90 (Advanced/Invention); A61F2/06 (Advanced/Non-invention)

International (IPC 1-7): A61F2/04 A61F2/06 A61F2/06 A61M29/02

CPC: A61F2230/0008 A61F2002/061 A61F2002/065 A61F2/90 A61F2/07 A61F2/856 A61F2002/075 A61F2220/0075 A61F2220/005 A61F2230/005 A61F2250/0017 A61F2/89 A61F2230/001 A61F2230/0017 A61F2220/0016

European: A61F2/06S6N A61F2/07 A61F2/856 A61F2/90 K61F2/06A K61F2/06D K61F2/06S6N K61F2/07C K61F2/856 K61F2/90

US: 606/191 623/1 623/1.13 623/1.130P 623/1.15 623/1.22 623/1.220P 623/1.35 623/1.350S 623/1.53 623/1.530S 623/12

**Family:**

Publication number	Publication date	Application number	Application date
CA2235794 AA	19981127	CA19982235794	19980424
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Priority:

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Probable Assignee: LIFESHIELD SCIENCES LLC

Assignee(s): (std): SCHNEIDER USA INC

Assignee(s): SCHNEIDER INC ; PINCHUK LEONARD ; THOMPSON PAUL J ; SCIMED LIFE SYSTEMS INC ; SCHNEIDER

USA INC PLYMOUTH ; ACACIA RESEARCH GROUP LLC ; BOSTON SCIENTIFIC SCIMED INC ;
CHOUGINARD PAUL F ; CLERC CLAUDE O ; DU GEORGE W ; LIFESHIELD SCIENCES LLC

Inventor(s): (std): CHOUGINARD PAUL ; CHOUGINARD PAUL F ; CLERC CLAUDE ; CLERC CLAUDE O ; DU GEORGE W ;
PINCHUK LEONARD ; THOMPSON PAUL ; THOMPSON PAUL J

Agent(s): SMART AND BIGGAR; IMAMURA KENICHI; RATNER

Designated states: DE FR GB IT

Title: POLYGLYCOLIC ACID PROSTHETIC DEVICES**Abstract:** ABSTRACT OF THE DISCLOSURE

Polyhydroxyacetic ester, also called polyglycolic acid (PGA), has surgically useful mechanical properties as a solid prosthesis, such as reinforcing pins, screws, plates, 15 or thin sheets. The polyglycolic acid can form a single or bicomponent fabric, either mixed uniformly, or in discrete areas with non-absorbable fibers. In either form, on implantation, in living mammalian tissue, the polyglycolic acid is absorbed, and replaced by living tissue. Fabric 20 structures of an intermixture of PGA and non-absorbable material are particularly useful in tissue repair or replacement so that living tissue mechanically unites about the non-absorbable fiber structure, locking it into place. CROSS REFERENCES This application is a continuation-in-part of application Ser. No. 320,543, filed Oct. 31, 1963 now U.S. Patent 30 3,297,033, Jan. 10, 1967, "Surgical Sutures." Field of invention

Classifications:

International (IPC 8-9): A61B17/06 A61B17/11 A61F13/00 A61F2/06 A61K9/00 A61K9/70 A61L15/26 A61L15/64 A61L17/00 A61L17/12 A61L17/14 A61L27/18 A61L27/54 A61L31/06 C07D319/06 C08G63/06 C08G63/08 D01F6/62 (Advanced/Invention); A61B17/00 A61F13/00 A61F13/15 A61F13/20 (Advanced/Non-invention);

A61B17/03 A61F13/00 A61K9/00 A61K9/70 A61L15/16 A61L17/00 A61L27/00 A61L31/04 C07D319/00 C08G63/00 D01F6/62 (Core/Invention);

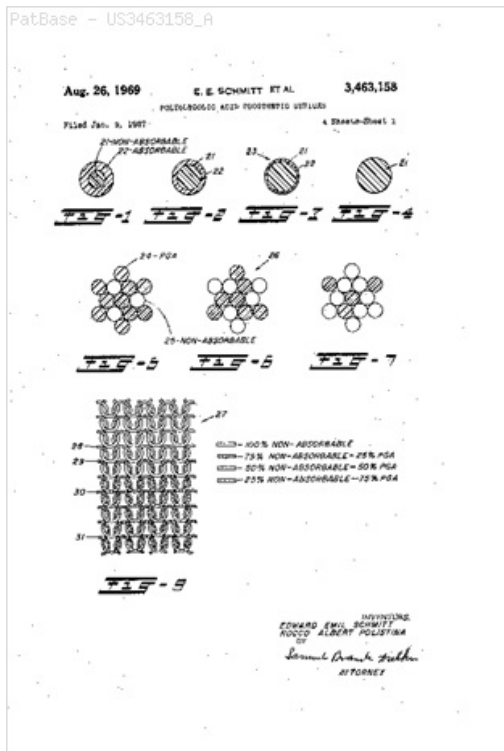
A61B17/00 A61F13/00 A61F13/15 A61F13/20 (Core/Non-invention)

International (IPC 1-7): A61B17/04 A61B17/11 A61F1/00 A61F1/24 A61F13/00 A61F5/04 A61K9/00 A61L15/04 A61L17/00 B60D1/06 B62D53/04 C08G63/06 C08G63/08

CPC: A61L15/64 C07D319/06 A61B17/06166 A61F2/06 Y10S128/08 A61L17/14 C08G63/08 A61F2013/00902 A61L15/26 A61L27/18 C08G63/06 Y10T428/2929 D01F6/625 A61B17/11 A61B2017/00004 A61L31/06 A61K9/0024 A61F13/00063 A61F13/551 A61F13/8405 A61F2013/00157 A61F2013/00221 A61F2013/00519 A61F2013/15048 A61K9/70 A61F2013/0091 A61L17/005 A61L17/12 A61L27/54 A61L2300/402 A61L2300/404 A61L2300/406 A61L2300/602 A61F13/20

European: 30A8G A61B17/06S A61B17/11 A61F13/00 A61F13/00B6 A61F2/06 A61K9/00M4 A61K9/00M5D A61K9/70 A61L15/26 A61L15/64 A61L17/00C A61L17/12 A61L17/14 A61L27/18 A61L27/54 A61L31/06 B60D1/32 C07D319/06 C08G63/06 C08G63/08 D01F6/62B K61B17/00A K61F13/00J11A K61F13/00J6 K61F13/00L12 K61F13/00L12B K61F13/00L1R K61F13/15A11 K61F13/15A1A K61F13/20 K61F13/551 K61F13/84B K61L300/402 K61L300/404 K61L300/406 K61L300/602

US: 128/156 128/334 128/334R 128/335.5 128/9.2BC 128/DIG.8 422/20 422/22 424/426 424/444 428/373 528/354 528/357 528/361 602/48 604/307 604/891.1 606/142 606/154 606/155 606/230 606/231 606/62 606/77 623/1.1 623/1.49

**Family:**

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US3739773 A	19730619	US19710157521	19710628
US3875937 A	19750408	US19730365656	19730531
US3991766 A	19761116	US19750564969	19750403

Priority:

US19630320543 19631031	DE1964A047493 19641030	US19670608068 19670109
CA19670008024 19671219	DE1968A057904 19680109	US19690852617 19690825
US19710157521 19710628	CA19710121921 19710901	US19730365656 19730531
US19750564969 19750403		

Probable Assignee: AMERICAN CYANAMID CO

Assignee(s): (std): AMERICAN CYANAMID CO ; AMERICAN CYANAMID COMPANY ; MATSON C G

Assignee(s): SCHMITT EDWARD E ; POLISTINA ROCCO A ; AMERICAN CYANAMID CO US ; AMERICAN CYANAMID CO WAYNE N J US ; AMERICAN CYANAMID COMP

Inventor(s): (std): EDWARD EMIL SCHMITT ; POLISTINA R ; ROCCO ALBERT POLISTINA ; SCHMITT E ; SCHMITT EDWARD EMIL ; SCHMITT EDWARD E ; POLISTINA ROCCO ALBERT ; POLISTINA ROCCO A ; EMIL SCHMITT EDWARD ; ALBERT POLISTINA ROCCO

Inventor(s): EDWARD EMIL SCHMITT AND ROCCO ALBERT POLISTINA ; POLISTINA R US ; SCHMITT E US ; SCHMITT EDWARD EMIL NORWALK CONN ; POLISTINA ROCCO ALBERT PORT CHESTER N Y

Title: METHOD FOR MANUFACTURING A SURGICAL **SUTURE**

Abstract: The present disclosure relates to a method of manufacturing a biodegradable surgical **suture** with a distal end shaped like a loop by using a **twist braider**. The surgical **suture** enables a doctor to easily tie the **suture** with a knot **in** a bodily region through which a needle passes after the needle passes through a bodily incision to be **sutured** once without making the knot.

Classifications:

International (IPC 8-9): A61B17/04 A61B17/06 A61L17/00

A61L17/10 A61L17/14 D04C1/00 D04C1/02 D04C1/06

D04C1/12 (Advanced/Invention);

A61L17/14 D04C1/02 (Advanced/Non-invention)

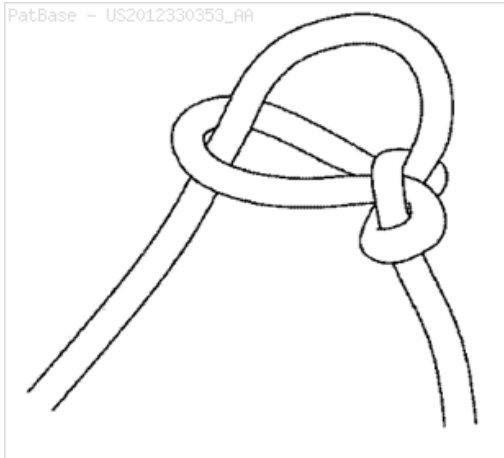
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A61B17/06195 A61B2017/00004 A61B2017/00526 A61L17/14 D04C1/02

European: A61L17/10 A61L17/14 D04C1/02 D04C1/06

US: 606/224 87/8

PatBase - US2012330353_AA



Family:

Publication number	Publication date	Application number	Application date
CN102666956 A	20120912	CN201180004557	20110415
EP2508661 A2	20121010	EP20110792611	20110415
EP2508661 A4	20140115	EP20110792611	20110415
IN01165MN2012 A	20131004	IN2012MN01165	20120509
JP2013511322 T2	20130404	JP20120539826T	20110415
JP5517137 B2	20140611	JP20120539826T	20110415
KR101028248 B1	20110411	KR20100054585	20100609
US2012330353 AA	20121227	US20110509763	20110415
WO11155700 A2	20111215	WO2011KR02691	20110415
WO11155700 A3	20120202	WO2011KR02691	20110415

Priority:

KR20100054585 20100609 WO2011KR02691 20110415

Probable Assignee: META BIOMED CO LTD

Assignee(s): (std): CHOI JAE WOON ; CHON JOON SUB ; KIM JOON HYUNG ; LEE DO KYOUNG ; METABIOMED CO LTD ; YOO YEON CHUN ; META BIOMED CO LTD ; PARK HEUNG SU

Assignee(s): META BIOMED CO ; METABIOMED CO

Inventor(s): (std): YOO YEON CHUN ; WOON CHOI JAE ; SUB CHON JOON ; SU PARK HEUNG ; PARK HEUNG SU ; LEE DO KYOUNG ; KYOUNG LEE DO ; KIM JOON HYUNG ; HYUNG KIM JOON ; CHUN YOO YEON ; CHON JOON SUB ; CHOI JAE WOON

Agent(s): HOCKING ADRIAN NIALI; KANG KYUNG CHAN 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 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

Title: SURGICAL **SUTURE** WITH SOFT CORE

Abstract: A fastening element comprising (a) a non-load bearing core, the non-load bearing core comprising a first biocompatible polymer; (b) a load bearing sheath, the load bearing sheath comprising a second biocompatible polymer, wherein the load bearing sheath surrounds the non-load bearing core. The fastening element can be used as a **suture**, shoe lace or rope. The non-load bearing core has a Durometer Hardness Type A value ranging from 15 to 30. The load bearing sheath is formed from a plurality of yarns, each yarn comprising a plurality of **filaments in** form of **mono** or **multifilament** of the second biocompatible polymer. Each yarn may have a tenacity at break value ranging from 30 cN/dtex to 45 cN/dtex.

Classifications:

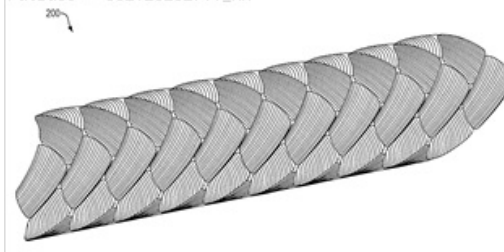
International (IPC 8-9): A43C9/00 A61B17/04 A61B17/06 A61L17/00 A61L17/04 A61L17/08 A61L17/10 D04C1/12 (Advanced/Invention)

CPC: A61B17/06166 D04C1/12 A43C9/00 A61B2017/00858

A61B2017/00964 A61L17/145 D10B2509/04 Y10T24/37

US: 24/712 606/228 87/8

PatBase - US2013231700_RH



Family:

Publication number	Publication date	Application number	Application date
AU2013226225 AA	20130906	AU20130226225	20130227
AU2018201043 AA	20180301	AU20180201043	20180213
CA2865790 AA	20140827	CA20132865790	20130227
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EP2819591 A1	20150107	EP20130710185	20130227
IN06720DN2014 A	20150522	IN2014DN06720	20140811
JP2015511502 T2	20150420	JP20140559963T	20130227
JP6203763 B2	20170927	JP20140559963T	20130227
TW201400076 A	20140101	TW20130107014	20130227
TWI556785 B	20161111	TW20130107014	20130227
US2013231700 AA	20130905	US20130778816	20130227
WO13130547 A1	20130906	WO2013US27943	20130227

Priority:

US20120605730P 20120301 AU20130226225 20130227 US20130778816 20130227
WO2013US27943 20130227 AU20180201043 20180213

Probable Assignee: DEPUY SYNTHES PRODUCTS INC

Assignee(s): (std): DEPUY SYNTHES PRODUCTS LLC ; SYNTHES GMBH ; SYNTHES USA LLC

Assignee(s): VOISARD CYRIL ; DEPUY SYNTHES PRODUCTS INC ; DEPUY SYNTHES PRODUCTS LLC325 PARAMOUNT DRIVERAYNHAMME02767-0350US ; GEDET PHILIPPE ; LECHMANN BEAT

Inventor(s): (std): GEDET PHILIPPE ; LECHMANN BEAT ; VOISARD CYRIL

Inventor(s): VOISARD CYRILCH ; LECHMANN BEATCH ; GEDET PHILIPPECH

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CARPMAELS AND RANSFORD LLP; KATO MASANOBU; MCCULLEN SHARON B ET AL

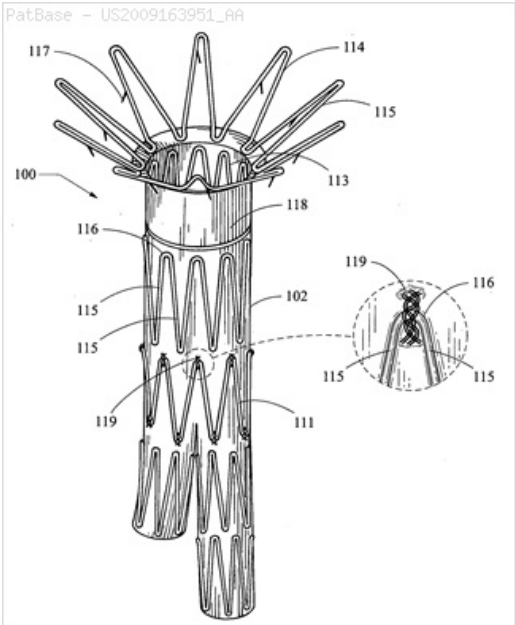
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX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

Title: MEDICAL DEVICES INCLUDING **SUTURES** WITH **FILAMENTS** COMPRISING NATURALLY DERIVED COLLAGENOUS MATERIAL

Abstract: The present invention relates to implantable medical devices that include at least one **suture** attached to a device component, the **suture** including a naturally derived collagenous material. The present invention is also directed to **sutures** per se including **filaments** incorporating naturally derived collagenous material. The naturally derived collagenous material may be an extracellular matrix (ECM) material.

Classifications:

International (IPC 8-9): A61B17/04 A61F2/04 (Advanced/Invention); A61F2/06 (Advanced/Non-invention)
CPC: A61B17/06166 A61B2017/00004 A61F2/07 A61F2002/065 A61F2002/075 A61F2220/0075 A61F2230/005 A61F2230/0054 A61F2230/0067 A61F2250/0007 A61L17/08 A61F2/89
European: A61B17/06S A61F2/07 A61L17/08 K61B17/00A K61F2/06D K61F2/07C
US: 606/228 606/228S 606/229 606/229P 623/23.7 623/23.700S



Family:

Publication number	Publication date	Application number	Application date
US2009163951 AA	20090625	US20080332679	20081211

Priority:

US20070015044P 20071219 US20080332679 20081211

Probable Assignee: KUPPURATHANAM SHYAM SV

Assignee(s): (std): KUPPURATHANAM SHYAM SV ; PATTERSON DON ; SIMMONS SARA

Inventor(s): (std): KUPPURATHANAM SHYAM SV ; PATTERSON DON ; SIMMONS SARA

Agent(s): BRINKS HOFER GILSON AND LIONE/CHICAGO/COOK; BRINKS HOFER GILSON AND LIONE CHICAGO COOK

Title: DRY COATING OF SURGICAL **FILAMENTS**

Abstract: **Braided** or monofilament surgical **filaments** are coated with dry, powdered, substantially water-insoluble, absorbable salt of a C6 or higher fatty acid, such as calcium stearate.

Classifications:

International (IPC 8-9): A61L17/00 A61L17/14 D06M13/50 (Advanced/Invention);

A61L17/00 (Advanced/Non-invention);

A61L17/00 (Core/Invention)

International (IPC 1-7): A61B A61L17/00 B05D3/12 B05D5/00 C03C25/00 C09D1/00 D06M13/50

CPC: Y10T428/2938 A61L17/145

European: A61L17/14C

US: 128/335.5 427/2 427/2.31 428/263 428/378 606/230

Family:

Publication number	Publication date	Application number	Application date
AU198545280 A1	19860130	AU19850045280	19850723
AU4528085 A1	19860130	AU19850045280D	19850723
AU578718 B2	19881103	AU19850045280	19850723
BRPI8503468 A	19860415	BR1985PI03468	19850722
CA1258410 A1	19890815	CA19850487206	19850722
DE3586809 D1	19921217	DE19853586809	19850722
DE3586809 T2	19930609	DE19853586809T	19850722
EP0170966 A1	19860212	EP19850109148	19850722
EP0170966 B1	19921111	EP19850109148	19850722
IN163706 A	19881029	IN1985CA00521	19850715
JP1824241 C3	19940210	JP19850161329	19850723
JP5033060 B4	19930518	JP19850161329	19850723
JP61076163 A2	19860418	JP19850161329	19850723
US4532929 A	19850806	US19840633759	19840723
ZA8505530 A	19870225	ZA19850005530	19850722

Priority:

US19840633759 19840723 CA19850487206 19850722

Probable Assignee: ETHICON INC

Assignee(s): (std): ETHICON INC ; JOHNSON AND JOHNSON

Assignee(s): MATTEI FRANK V ; REGULA DONALD W ; ETHICON INC A NJ CORP ; ETHICON INC SOMERVILLE N J US

Inventor(s): (std): DONARUDO UIRIAMU REGURA ; FURANKU BIKUTAA MATSUTEI ; MATTAI FRANK VICTOR ; MATTEI FRANK V ; REGULA DONALD W ; REGULA DONALD WILLIAM

Inventor(s): REGULA DONALD WILLIAM FLAGTOWN NJ 08821 US ; MATTAI FRANK VICTOR PISCATAWAY NJ 08854 US ; FRANK VICTOR MATTAI ; DONALD WILLIAM REGULA

Agent(s): GRIFFITH HACK; OGILVY RENAULT LLP SENCRL SRL

Designated states: DE FR GB IT SE