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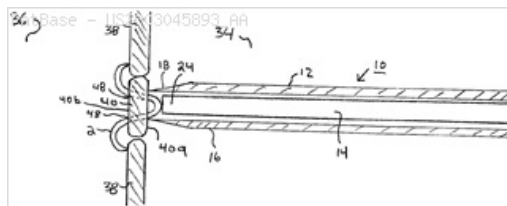
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Title: CLIP APPARATUS FOR CLOSING SEPTAL DEFECTS AND METHODS OF USE

Abstract: A device for closing a septal defect, such as a patent foramen ovale, includes a clip formed from a superelastic material that is inserted into a septum wall of a heart. The clip is advanced through a patient's vasculature, e.g., within a delivery apparatus, until the clip is disposed within a first chamber adjacent the septal defect. Tines of the clip are directed through a flap of tissue of the septal defect until the tines of the clip are disposed within a second opposing chamber. The clip then transforms into its relaxed state, wherein the tines of the clip engage with a surface of the second chamber, thereby substantially closing the septal opening.

Classifications:

International (IPC 8-9): A61B A61B1/04 A61B17/00 A61B17/03 A61B17/04 A61B17/06 A61B17/064 A61B17/068 A61B17/08 A61B17/10 A61B17/12 A61B17/28 A61B19/00 A61B8/12 A61D1/00 A61F2/00 A61F2/02 A61F2/84 A61M25/00 (Advanced/Invention); A61B17/00 A61B17/04 A61B17/06 A61B17/064 A61B17/08 A61B19/00 (Advanced/Non-invention); A61B1/04 A61B17/00 A61B17/03 A61B17/04 A61B17/28 A61B19/00 A61B8/12 A61D1/00 A61F2/00 A61F2/82 (Core/Invention); A61B17/04 A61B17/064 (Core/Non-invention)



International (IPC 1-7): A61B1/04 A61B17/00 A61B17/04 A61B17/06 A61B17/08 A61B17/10 A61B17/12 A61B8/12 A61D1/00 **CPC:** A61B2017/00659 A61B2017/00663 A61B17/08 A61B17/1227 A61B17/12122 A61B17/221 A61B2017/00247 A61B2017/00579 A61B2017/00619 A61B2017/00893 A61B2017/0412 A61B2017/0419 A61B2017/0422 A61B2017/2926 A61B2017/306 A61B2018/00392 A61B2017/00597 A61B2017/00668 A61B2017/06052 A61B2017/00615 A61B90/39 A61B2090/0811 A61B17/068 A61B17/29 A61B2017/00292 A61B2017/00592 A61B2017/00606 A61B2017/00623 A61B2017/061 A61B2017/0649 A61B2017/2912 A61F2002/9517 A61B5/0215 A61B5/415 A61B5/418 A61B2017/00243 A61B2017/22047 A61B17/0057 A61B17/064 A61B17/0644 A61B2017/00575 A61B2017/00867 A61B2017/0641 A61B2017/0647

European: A61B17/00P A61B17/064 A61B17/064D A61B17/068 A61B17/12P5H A61B17/29 A61B5/41J2 A61B5/41J8 K61B17/00E1C K61B17/00E1C2 K61B17/00E3 K61B17/00P11J K61B17/00P11S K61B17/00P11T K61B17/00P5 K61B17/00P5B K61B17/00P5E K61B17/00P5F K61B17/00P5H K61B17/00P5K K61B17/00P5L K61B17/00P5R K61B17/00S12 K61B17/00S21 K61B17/04A21 K61B17/04A22I K61B17/04A7 K61B17/064 K61B17/064A K61B17/064D K61B17/064T K61B17/064V K61B17/06B K61B17/06N8 K61B17/08 K61B17/122S K61B17/12P2 K61B17/221 K61B17/22G6 K61B17/29H6 K61B17/29J K61B17/30S K61B18/00F6A8 K61B19/48H8 K61B19/54 K61B5/0215 K61F2/95H

US: 128/898 128/898S 606/139 606/142 606/142P 606/142S 606/151 606/151P 606/151S 606/207 606/207P 606/213 606/213P 606/213S 606/215 606/215P 606/216 606/219 606/219P 606/221 606/223 606/223P 606/224 623/23.72

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WO08002983 A1	20080103	WO2007US72250	20070627
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Probable Assignee: OVALIS INC

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Assignee(s): BELEF W ; INT BUSINESS MACHINES CORP ; INTEGRATED VASCULAR SYSTEMS INC ; ENSURE MEDICAL INC

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Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; MCLEISH NICHOLAS ALISTAIR MAXWELL; CHINA PATENT AGENT HK LTD; ORRICK HERRINGTON AND SUTCLIFFE LLP, IP PROSECUTION DEPARTMENT; ORRICK HERRINGTON AND SUTCLIFFE LLP IP PROSECUTION DEPARTMENT; ORRICK HERRINGTON AND SUTCLIFFE LLP; DICKSTEIN SHAPIRO LLP; ONE LLP; MARK; STIRRAT MARK A ET AL; ORRICK HERRINGTON AND SUTCLIFFE LLP 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

Title: APPARATUS AND METHOD FOR PERFORMING A BYPASS PROCEDURE IN A DIGESTIVE SYSTEM

Abstract: Surgical instrumentation and methods for performing a bypass procedure in a digestive system incorporate laparoscopic techniques to minimize surgical trauma to the patient. The instrumentation includes an outer guide member dimensioned for insertion and passage through an esophagus of a patient and defining an opening therein extending at least along a portion of the length of the outer guide member, an elongate anvil delivery member at least partially disposed within the opening of the outer guide member and being adapted for longitudinal movement within the outer guide member between an initial position and an actuated position and an anvil operatively engageable with the delivery member. The anvil includes an anvil rod defining a longitudinal axis and an anvil head connected to the anvil rod. The anvil head is at least partially disposed within the opening of the outer guide member when in the initial position of the delivery member and is fully exposed from the distal end of the outer guide member upon movement of the delivery member to the actuated position.

Classifications:**International (IPC 8-9):** A61B17/04 A61B17/06 A61B17/068 A61B17/072 A61B17/08 A61B17/11 A61B17/115

A61B17/94 (Advanced/Invention);

A61B17/00 A61B17/072 A61B17/28 (Advanced/Non-invention);

A61B17/03 (Core/Invention);

A61B17/00 A61B17/068 (Core/Non-invention)

International (IPC 1-7): A61B17/06 A61B17/068 A61B17/10

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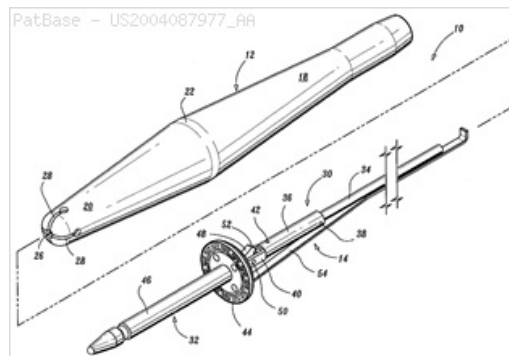
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US: 1/1 227/175.1 606/142 606/142P 606/144 606/144P 606/153 606/153P**Family:**

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Probable Assignee: COVIDIEN LP

Assignee(s): (std): ARANWI ERNIE ; ARANYI ERNIE ; COVIDIEN LP ; KLINGER JOHN ; NOLAN TIM ; US SURGICAL ; RATCLIFF KEITH ; ROBERTSON JACK ; TYCO HEALTHCARE ; UNITED STATES SURGICAL CORP ; TYCO HEALTHCARE GROUP L P ; ROBERTSON JOHN CHARLES

Assignee(s): UNITED STATES SURGICAL ; TYCO HEALTHCARE GROUP LP

Inventor(s): (std): NOLAN TIM ; ARANYI ERNIE ; KLINGER JOHN ; RATCLIFF KEITH ; ROBERTSON JACK ; ROBERTSON JOHN C ; ARANWI ERNIE ; ROBERTSON JOHN CHARLES

Inventor(s): ROBERTSON JOHN ; TIM NOLAN ; ERNIE ARANYI ; JOHN KLINGER ; KEITH RATCLIFF ; JACK ROBERTSON

Agent(s): SPRUSON AND FERGUSON; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; HOFFMANN EITLE; UNITED STATES SURGICAL , A DIVISION OF TYCO HEALTHCARE GROUP LP; UNITED STATES SURGICAL A DIVISION OF TYCO HEALTHCARE GROUP LP

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 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

Title: SURGICAL FASTENER BUTTRESS MATERIAL

Abstract: A staple line buttress material having an adhesive surface, packaged and provided in sterile, ready-to-use form. The material can be used to retrofit surgical staplers to provide an improved staple line, and with improved ease of use.

Classifications:

International (IPC 8-9): A61B17/03 A61B17/04 A61B17/064

A61B17/068 A61B17/072 A61B17/08 A61B17/10

A61B17/11 (Advanced/Invention);

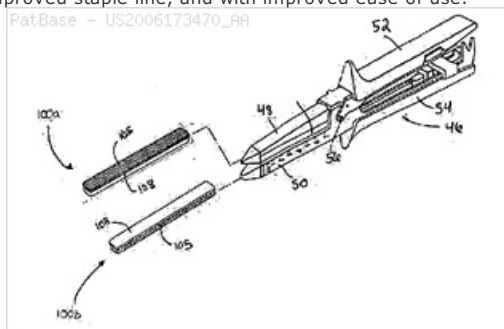
A61B17/03 A61B17/068 (Core/Invention)

CPC: A61B17/07207 A61B17/07292

European: A61B17/072B K61B17/072R

US: 227/175.1 606/151 606/151P 606/214 606/214S

PatBase - US2006173470_AA



Family:

Publication number	Publication date	Application number	Application date
AT529050 E	20111115	AT20060719810T	20060127
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Probable Assignee: SYNOVIS LIFE TECHNOLOGIES INC

Assignee(s): (std): ORAY B N ; ORAY B NICHOLAS ; SYNOVIS LIFE TECHNOLOGIES INC ; MOORADIAN DANIEL L

Assignee(s): ORAY B ; SYNOVIS LIFE TECHNOLOGIES INC STPAUL

Inventor(s): (std): MOORADIAN DANIEL ; ORAY B ; ORAY B NICHOLAS ; ORAY NICHOLAS B ; MOORADIAN DANIEL L ; ORAY B N

Inventor(s): B NICHOLAS ORAY ; DANIEL L MOORADIAN ; MOORADIAN DANIEL L EAGAN ; ORAY B NICHOLAS WOODBURY

Agent(s): WRAYS; BORDEN LADNER GERVAIS LLP; DF MP DOERRIES FRANK MOLNIA AND POHLMAN PATENTANWAELTE RECHTSANWAELTE PARTG MBB; MOLNIA DAVID; INTELLECTUAL PROPERTY GROUP FREDRIKSON AND BYRON PA

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: SYSTEMS AND METHODS FOR TREATING SEPTAL DEFECTS WITH CAPTURE DEVICES AND OTHER DEVICES

Abstract: Systems, devices and methods for treating internal tissue defects, such as septal defects, are provided. An exemplary method of treating an internal tissue defect, specifically a method of closing a patent foramen ovale (PFO), can include passing a closure element from a right atrium through a septal wall in a first location and into the left atrium. A capture device, which can be configured as a snare-like device, can be used to capture the closure element in the left atrium and pull the closure element back through the septal wall in a different, second location, such that the closure element is routed over the PFO. The closure element can then be anchored and/or locked against the septal wall such that the PFO is at least partially closed.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/062

A61B17/10 A61B17/12 (Advanced/Invention);

A61B17/00 A61B17/04 A61B17/12 (Core/Invention)

CPC: A61B17/0401 A61B17/0467 A61B17/0469 A61B17/0483

A61B17/0485 A61B17/0487 A61B17/0625 A61B2017/00477

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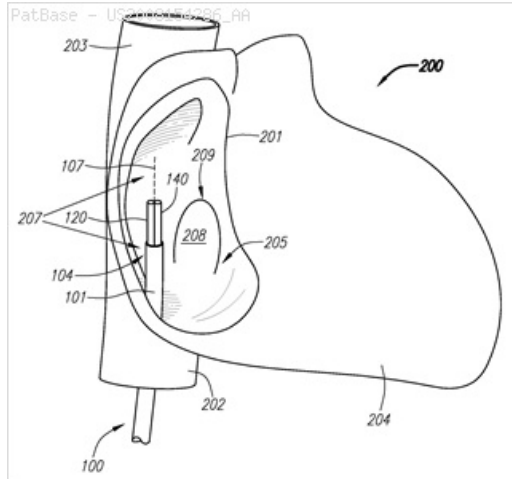
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K61B17/04J K61B17/06N3 K61B17/06N7 K61B17/06S4

US: 606/108 606/108P 606/139 606/139S 606/144 606/144P 606/228



Family:

Publication number	Publication date	Application number	Application date
AU2007337015 AA	20080703	AU20070337015	20071218
CA2671157 AA	20090601	CA20072671157	20071218
EP2094166 A2	20090902	EP20070865839	20071218
JP2010514467 T2	20100506	JP20090543151T	20071218
US2008154286 AA	20080626	US20060614814	20061221
US2010234854 AA	20100916	US20100766755	20100423
US2011208213 AA	20110825	US20110101029	20110504
US2012245599 AA	20120927	US20120466980	20120508
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Priority:

US20060614814 20061221 WO2007US87999 20071218 US20100766755 20100423
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Probable Assignee: OVALIS INC

Assignee(s): (std): ABBOTT RYAN ; BELEF MARTIN W ; BELEF W MARTIN ; CARSON DEAN ; CARSON DEAN F ; NIELSEN JAMES ; OVALIS INC ; MOORE DAVID ; JABBA RONALD J

Assignee(s): PROMED INC

Inventor(s): (std): BELEF MARTIN W ; NIELSEN JAMES ; CARSON DEAN F ; ABBOTT RYAN ; MOORE DAVID ; JABBA RONALD J ; BELEF W MARTIN ; CARSON DEAN

Inventor(s): DEAN F CARSON ; MARTIN W BELEF ; RYAN ABBOTT ; JAMES NIELSEN ; DAVID MOORE ; RONALD J JABBA

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; MCLEISH NICHOLAS ALISTAIR MAXWELL; ORRICK HERRINGTON AND SUTCLIFFE LLP IP PROSECUTION DEPARTMENT; STONE SAMUEL B 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

Title: METHOD AND APPARATUS FOR ENDOSCOPICALLY PERFORMING GASTRIC REDUCTION SURGERY IN A SINGLE PASS

Abstract: A gastric reduction apparatus provides for the secure attachment of multiple fasteners into the gastric wall, the fasteners being linked with a flexible member in a manner permitting the reduction of the effective size of an individual's stomach. The apparatus includes an applicator head including a proximal end and a distal end. The applicator head of the gastric reduction apparatus includes a cavity shaped and dimensioned for receiving tissue. A fastener attachment mechanism is positioned within the cavity for access to tissue that is pulled within the cavity and the fastener attachment mechanism includes a plurality of fasteners.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/068 A61B17/10 A61B17/11 A61B17/12 A61B17/128

A61F5/00 (Advanced/Invention);

A61B1/273 (Advanced/Non-invention);

A61B17/00 A61B17/03 A61B17/04 A61B17/068 A61B17/12

A61F5/00 (Core/Invention);

A61B1/273 (Core/Non-invention)

International (IPC 1-7): A61B17/068 A61B17/12

CPC: A61B2017/00296 A61B17/0684 A61B17/00234 A61B17/0401

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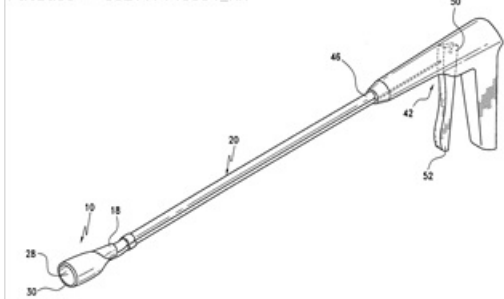
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European: A61B17/00E A61B17/04A A61B17/068B2 A61F5/00B6S2

K61B17/00E3 K61B17/04T K61B17/064D K61B17/29F6 K61B17/30S

US: 227/175.1 227/175.100P 606/139 606/142 606/143 606/144

PatBase - US2007043384_AA



Family:

Publication number	Publication date	Application number	Application date
AU2006203408 AA	20070308	AU20060203408	20060808
BRPI0603381 A	20070904	BR2006PI03381	20060818
CA2556304 AA	20070218	CA20062556304	20060817
CN1931102 A	20070321	CN200610115923	20060818
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EP1754444 A2	20070221	EP20060254311	20060817
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IN00802KO2006 A	20070629	IN2006KO00802	20060810
JP2007050261 A2	20070301	JP20060222591	20060817
JP5000233 B2	20120815	JP20060222591	20060817
US2007043384 AA	20070222	US20050206297	20050818
US2010137885 AA	20100603	US20100699077	20100203
US2012118935 AA	20120517	US20120343035	20120104
US7771440 BB	20100810	US20050206297	20050818

Priority:

US20050206297 20050818

CA20062556304 20060817

US20100699077 20100203

US20120343035 20120104

Probable Assignee: ETHICON ENDO SURGERY INC

Assignee(s): (std): ETHICON ENDO SURGERY INC ; JOHNSON AND JOHNSON ; ORTIZ MARK S ; STOKES MICHAEL J

Inventor(s): (std): STOKES MICHAEL J ; ORTIZ MARK S ; MICHAEL J STOKES ; MARK S ORTIZ ; ORTIZ MARK S STOKES MICHAEL J

Inventor(s): ORTIZ MARK ; STOKES MICHAEL

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; TUNSTALL CHRISTOPHER STEPHEN ET AL; WELSH AND FLAXMAN LLC

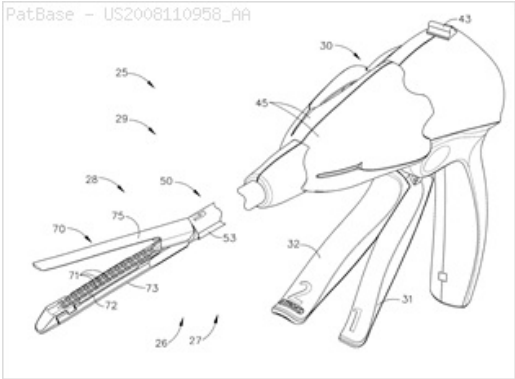
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO RS SE SI SK TR

Title: DISPOSABLE CARTRIDGE WITH ADHESIVE FOR USE WITH A STAPLING DEVICE

Abstract: A surgical stapling device is provided for **clamping** and stapling tissue, and for dispensing a fluid such as an adhesive onto the tissue. The adhesive can be stored within one or more rigid chambers within removable cartridge and dispensed from a plurality of passageways within the cartridge. A plurality of staples and staple drivers are located in the cartridge and may be isolated from the fluid. Both linear and rotary members can be provided to dispense the fluid from the cartridge. Alternately, the fluid can be dispensed from the cartridge at any time with an operator actuatable control. A removable staple cartridge cover can be provided to seal the fluid in the cartridge and prevent fluid loss. Alternately, a fluid cartridge can be provided that can mount within a surgical stapling device and dispense one or more firings of a fluid therefrom.

Classifications:

International (IPC 8-9): A61B17/072 A61B17/10 (Advanced/Invention);
A61B17/03 A61B17/068 (Core/Invention)
CPC: A61B17/00491 A61B17/07207 A61B2017/07214
A61B2017/2943 A61B2017/320052
European: A61B17/00L A61B17/072B K61B17/072H K61B17/29J6R
K61B17/32K
US: 227/175.1 227/176.1 227/19



Family:

Publication number	Publication date	Application number	Application date
US2008110958 AA	20080515	US20060558524	20061110
US7721930 BB	20100525	US20060558524	20061110

Priority:

US20060558524 20061110

Probable Assignee: ETHICON ENDO SURGERY INC

Assignee(s): (std): BYRUM RANDAL T ; CONRAD PAUL J ; ETHICON ENDO SURGERY INC ; MCKENNA ROBERT H ; ORTIZ MARK S ; TIMPERMAN EUGENE L ; SHELTON FREDERICK E

Assignee(s): THICON ENDO SURGERY INC

Inventor(s): (std): TIMPERMAN EUGENE L ; CONRAD PAUL J ; ORTIZ MARK S ; BYRUM RANDAL T ; MCKENNA ROBERT H ; SHELTON FREDERICK E ; SHELTON IV FREDERICK E

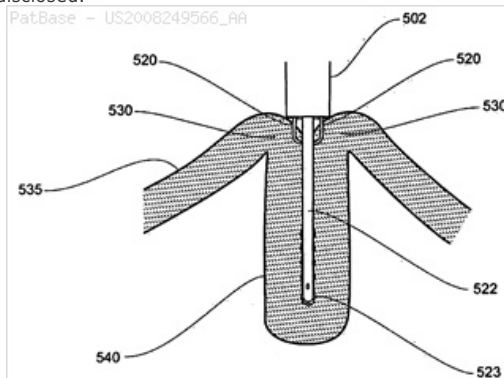
Agent(s): FROST BROWN TODD LLC

Title: METHODS AND DEVICES FOR REDUCING GASTRIC VOLUME

Abstract: The present invention involves new interventional methods and devices for reducing gastric volume, and thereby treating obesity. The procedures are generally performed laparoscopically and may generally be described as laparoscopic plication gastroplasty (LPG) in which, after obtaining abdominal access, spaced apart sites on a gastric wall are engaged and approximated to create one or more tissue folds that are then secured to produce one or more plications projecting into the gastrointestinal space. The serosal tissue may optionally be treated during the procedure to promote the formation of a strong serosa-to-serosa bond that ensures the long-term stability of the tissue plication. These procedures are preferably carried out entirely extragastrically (i.e. without penetrating through the gastrointestinal wall), thereby minimizing the risks of serious complications. Methods for reversing the procedure are also disclosed.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/064 A61B17/068 A61B17/08 A61B17/10 A61B17/11 A61B17/12 A61B17/122 A61B19/00 A61D1/00 A61F5/00 (Advanced/Invention); A61B17/00 A61B17/064 (Advanced/Non-invention); A61B17/03 A61B17/12 A61B19/00 (Core/Invention)
CPC: A61B17/0057 A61B17/00234 A61B2017/0649 A61F5/0086 A61F5/0089 A61B17/0644 A61B2017/00818 A61B2017/081 A61B2017/00349 A61B2017/00637 A61B2017/00668 A61B17/0684 A61B17/083 A61B17/10 A61B17/0643
European: A61B17/00P A61B17/068B2 A61B17/08C A61B17/10 K61B17/00E5 K61B17/00P11T K61B17/00P7 K61B17/00R14 K61B17/064C K61B17/064D K61B17/08A
US: 128/898 128/898S 227/175.1 227/175.100P 227/176.1 227/177.1 227/180.1 606/1 606/139 606/139P 606/139S 606/143 606/151 606/151P 606/153 606/153P 606/153S 606/213 606/215 606/215S 606/216 606/219 606/220 606/220P 606/220S 606/228



Family:

Publication number	Publication date	Application number	Application date
EP2129301 A2	20091209	EP20080743869	20080313
EP2129301 A4	20150325	EP20080743869	20080313
US2008249566 AA	20081009	US20080048206	20080313
US2008319455 AA	20081225	US20080184173	20080731
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US2011009887 AA	20110113	US20100876051	20100903
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US2015127021 AA	20150507	US20140578127	20141219
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US8500777 BB	20130806	US20090392026	20090224
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US8979872 BB	20150317	US20080184173	20080731
US9521995 BB	20161220	US20140477788	20140904
WO08112942 A2	20080918	WO2008US56921	20080313
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Priority:

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Probable Assignee: LONGEVITY SURGICAL INC

Assignee(s): (std): HARRIS PETER S ; LONGEVITY SURGICAL INC ; RABIN BARRY HAL

Inventor(s): (std): HARRIS PETER S ; RABIN BARRY HAL

Agent(s): CLEGG RICHARD IAN; SPECKMAN LAW GROUP PLLC; ANN W; DAVID; DWC LAW FIRM PS; SPECKMAN ANN W ET AL

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

Title: METHOD AND SYSTEM TO DETERMINE AN OPTIMAL TISSUE COMPRESSION TIME TO IMPLANT A SURGICAL ELEMENT

Abstract: A method for determining an optimal compression of tissue to apply a surgical element has the steps of applying a load to the tissue. The method has the step of determining a reactive load applied by the tissue in response to the load. The method also has the step of determining the reactive load per unit time for a predetermined time period and determining a slope of the reactive load per unit time. The method further has the steps of evaluating the slope relative to a predetermined threshold, and signaling when the slope exceeds the predetermined threshold.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/03 A61B17/064 A61B17/068 A61B17/07 A61B17/072 A61B17/08 A61B17/10 A61B17/11 A61B17/115 A61B19/00 A61B5/00 A61B5/103

A61B5/107 A61B5/117 (Advanced/Invention); A61B17/068 A61B17/11 A61B17/115 A61B19/00

A61B90/00 (Advanced/Non-invention);

A61B17/00 A61B17/03 A61B17/068 A61B19/00 A61B5/00

A61B5/103 A61B5/107 (Core/Invention);

A61B17/03 A61B17/068 (Core/Non-invention)

CPC: A61B17/068 A61B5/1075 A61B90/06 A61B2090/065

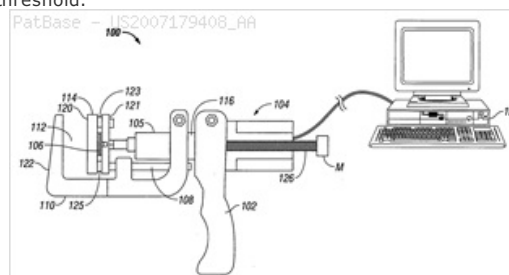
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European: A61B17/068 A61B17/072 A61B17/072B A61B17/072R

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US: 227/175.1 227/175.100S 600/587 600/587P 600/593 606/219 606/219P



Family:

Publication number	Publication date	Application number	Application date
AU2007200397 AA	20070816	AU20070200397	20070131
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Priority:

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EP20070002326	20070202	EP20090158916	20070202	US20110285272	20111031
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Probable Assignee: COVIDIEN LP

Assignee(s): (std): COVIDIEN LP ; PROMMERSBERGER MEGAN L ; SOLTZ MICHAEL A ; STOPEK JOSHUA ; TYCO HEALTHCARE

Assignee(s): TYCO HEALTHCARE GROUP LP15 HAMPSHIRE STREETMANSFIELDMA02048US ; TYCO HEALTHCARE GROUP LP195 MCDERMOTT ROADNORTH HAVENCT06473US ; TYCO HEALTHCARE GROUP LP NEW

HAVEN ; TYCO HEALTHCARE GROUP LP

Inventor(s): (std): STOPEK JOSHUA ; STOPEK JOSHUA B ; PROMMERSBERGER MEGAN L ; SOLTZ MICHAEL A

Inventor(s): SOLTZ MICHAEL A NORTH HAVEN ; STOPEK JOSHUAUS ; PROMMERSBERGER MEGAN LUS ; SOLTZ MICHAEL AUS ; PROMMERSBERGER MEGAN ; SOLTZ MICHAEL ; MEGAN L PROMMERSBERGER ; JOSHUA STOPEK ; MICHAEL A SOLTZ

Agent(s): SPRUSON AND FERGUSON; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; HOFFMANN EITLE; UNITED STATES SURGICAL , A DIVISION OF TYCO HEALTHCARE GROUP LP; UNITED STATES SURGICAL A DIVISION OF TYCO HEALTHCARE GROUP LP

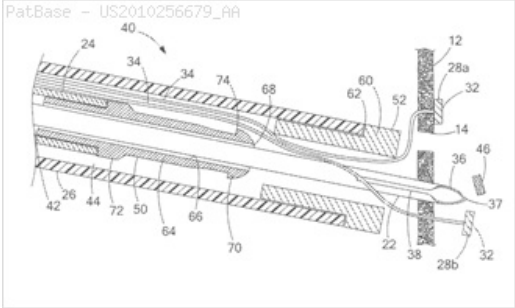
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

Title: MEDICAL DEVICES, SYSTEMS AND METHODS FOR RAPID DEPLOYMENT AND FIXATION OF TISSUE ANCHORS

Abstract: Medical devices, systems and related methods for delivering a plurality of tissue anchors. The medical devices generally comprise a needle and an over-the-needle suture lock, employed via inner and outer sheaths. The medical systems include a plurality of tissue anchors and at least one biodegradable or resorbable spacer member positioned between adjacent tissue anchors in conjunction with the medical devices.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/06 A61B17/10 (Advanced/Invention); A61B17/00 A61B17/06 (Advanced/Non-invention)
CPC: A61B17/0057 A61B17/0401 A61B17/0469 A61B17/0487 A61B2017/00004 A61B2017/00663 A61B2017/0409 A61B2017/0417 A61B2017/0488 A61B2017/0496 A61B2017/06052
European: A61B17/00P A61B17/04A A61B17/04K K61B17/00A K61B17/00P11S K61B17/04A20 K61B17/04A5 K61B17/04E K61B17/04K5 K61B17/04T K61B17/06B
US: 606/148 606/232 606/232P



Family:

Publication number	Publication date	Application number	Application date
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WO10115113 A1	20101007	WO2010US29798	20100402

Priority:

US20090166361P 20090403 EP20100712286 20100402 US20100753111 20100402
WO2010US29798 20100402

Probable Assignee: COOK MEDICAL TECHNOLOGIES LLC

Assignee(s): (std): COOK MEDICAL TECHNOLOGIES LLC ; DUCHARME RICHARD W ; WILSON COOK MEDICAL INC

Assignee(s): COOK MEDICAL TECHNOLOGIES LLC BLOOMINGTON

Inventor(s): (std): DUCHARME RICHARD W

Inventor(s): DUCHARME RICHARD W WINSTON SALEM

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; MADDERNS PTY LTD; CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; KROHER STROBEL RECHTS U PATENTANWALTE PARTMBB; WAECHTER JOCHEN; ITOH SHIGERU; BRINKS HOFER GILSON AND LIONE/CHICAGO/COOK; BRINKS HOFER GILSON AND LIONE CHICAGO COOK; BRINKS HOFER GILSON AND LIONE; GOEDERTIER KATIE B

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

Title: METHOD AND APPARATUS FOR TREATING VARICOSE VEINS

Abstract: Apparatus for occluding a blood vessel, the apparatus comprising: an occluder, the occluder being configured so that at least a portion of the occluder may assume (i) a diametrically-reduced configuration for disposition within the lumen of a tube, and (ii) a diametrically-expanded configuration for disposition adjacent to the blood vessel, such that when said at least a portion of the occluder is in its diametrically-expanded configuration adjacent to the blood vessel, the occluder will cause occlusion of the blood vessel.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/03 A61B17/064

A61B17/068 A61B17/072 A61B17/08 A61B17/10 A61B17/12

A61B17/122 A61B17/128 A61B18/14 A61F2/01 A61F2/24 A61F5/00

A61F6/20 A61F6/22 A61M16/00 (Advanced/Invention);

A61B17/00 A61B17/064 A61B17/34 A61B18/00 A61B18/08

A61B18/12 A61B18/14 (Advanced/Non-invention)

CPC: A61B2017/12095 A61B17/064 A61B2017/00557

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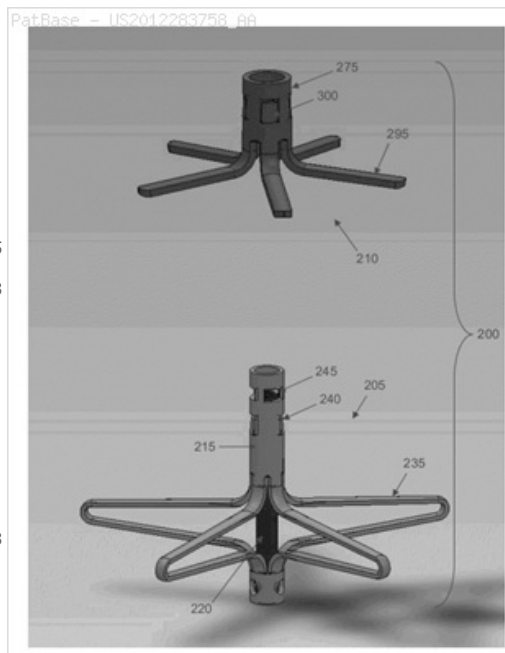
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European: A61B17/00B A61B17/12 A61B17/12L A61B17/12P A61B17/12P7C A61B17/12P7C1 K61B17/00S12 K61B17/00X1

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US: 604/9 606/142 606/143 606/157 606/158 606/219 606/49 623/1.24

**Family:**

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■ CN105358074 A	20160224	CN201480038933	20140507
■ CN106659503 A	20170510	CN201580023835	20150305
■ EP2663244 A1	20131120	EP20120734636	20120111
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■ EP2994059 A4	20161228	EP20140795086	20140507
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■ EP3113692 A4	20180314	EP20150759070	20150305
■ JP2014508571 T2	20140410	JP20130549521T	20120111
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■ US2013245534 AA	20130919	US20130888165	20130506
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■ US2017007258 AA	20170112	US20160272749	20160922
■ US2017049453 AA	20170223	US20160226577	20160802
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■ US2018021044 AA	20180125	US20170699975	20170908
■ US2018042607 AA	20180215	US20170783610	20171013
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■ US10076339 BB	20180918	US20140272304	20140507
■ WO12097086 A1	20120719	WO2012US20973	20120111
■ WO12097086 A9	20151105	WO2012US20973	20120111
■ WO13152283 A1	20131010	WO2013US35435	20130405

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Priority:

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Probable Assignee: AMSEL MEDICAL CORP

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Inventor(s): BOOKSTEIN ARTHUR Z

Agent(s): ENGELHARDT AND ENGELHARDT; CARTER STEPHEN JOHN; YAMAMOTO OSAMU; TAKEUCHI SHIGEO; ONO SHINJIRO; KOBAYASHI YASUSHI; PANDISCIO MARK J; LEONARDO MARK S ET AL; BOOKSTEIN ARTHUR Z

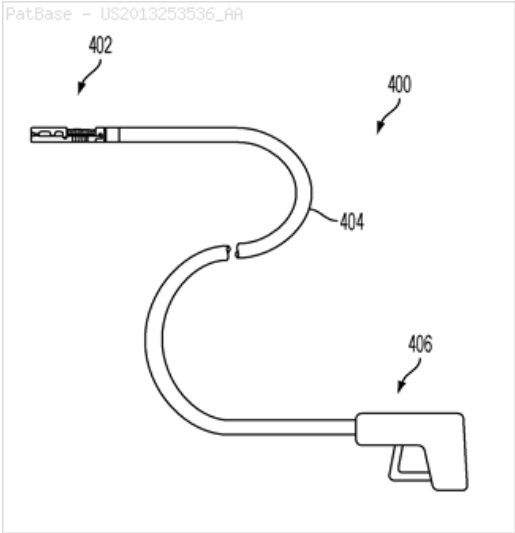
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Title: METHODS AND DEVICES FOR CREATING TISSUE PLICATIONS

Abstract: Devices and methods for forming and securing a tissue plication are disclosed herein. In one aspect, a tissue manipulation device is described that includes a first jaw member pivotally coupled to a distal end of an elongate shaft and having an articulating portion located distal to the proximal end of the first jaw member. The device also includes a second jaw member pivotally coupled to the first jaw member such that the jaws move in a first plane, and a fastener delivery member attached to the second jaw member. The articulating portion of the first jaw member is configured to move the first and second jaw members between a straight configuration in which a longitudinal axis of the elongate shaft is contained within the first plane and an articulated configuration in which the longitudinal axis of the elongate shaft is transverse to the first plane.

Classifications:

International (IPC 8-9): A61B17/03 A61B17/04 A61B17/10 A61B17/29 (Advanced/Invention); A61B17/00 A61B17/29 (Advanced/Non-invention)
CPC: A61B17/0401 A61B17/0487 A61B17/29 A61B2017/00349 A61B2017/00818 A61B2017/0404 A61B2017/0417 A61B2017/2905 A61B2017/2927 A61B2017/0409
US: 606/139 606/144 606/151 606/157 606/205 606/228



Family:

Publication number	Publication date	Application number	Application date
US2013253536 AA	20130926	US20120425900	20120321
US2015196293 AA	20150716	US20150671357	20150327
US2018256154 AA	20180913	US20180948692	20180409
US8992547 BB	20150331	US20120425900	20120321
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Priority:

US20120425900 20120321 US20150671357 20150327 US20180948692 20180409

Probable Assignee: ETHICON LLC

Assignee(s): (std): ETHICON LLC ; FELDER KEVIN D ; HARRIS JASON L ; SHERRILL JUSTIN W ; ETHICON ENDO SURGERY INC

Assignee(s): ETHICON ENDO SURGERY LLC

Inventor(s): (std): HARRIS JASON L ; FELDER KEVIN D ; SHERRILL JUSTIN W

Agent(s): NUTTER MCCLENNEN AND FISH LLP; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC

Title: GASTRIC RESTRICTION DEVICES WITH FILLABLE CHAMBERS AND ABLATION MEANS FOR TREATING OBESITY

Abstract: The invention relates to a gastric restraining device for treating excessive weight or obesity in mammals. The gastric restraining device includes an elastomeric sheet configured to be placed around a stomach of a mammal, an ablation device attached to the elastomeric sheet, the ablation device configured to emit energy toward an outer surface of the stomach when the elastomeric sheet is placed around the stomach, and an energy device coupled to the ablation device to generate the energy and to transfer the energy to the ablation device.

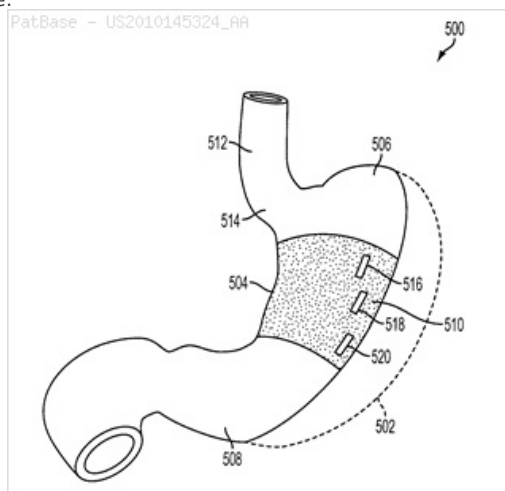
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International (IPC 8-9): A61B A61B17/04 A61B17/08 A61B17/10 A61B17/12 A61B18/00 A61B18/04 A61B18/08 A61B18/12 A61B18/18 A61B18/20 A61F13/00 A61F2/00 A61F2/02 A61F2/04 A61F5/00 A61N7/00 (Advanced/Invention); A61B18/08 A61B18/20 A61N7/00 (Advanced/Non-invention); A61B17/00 A61B17/03 A61B17/04 A61B17/12 A61B18/04 A61B18/18 A61B18/20 A61F2/00 A61F2/02 A61N7/00 (Core/Invention); A61B (Subclass/Invention)

CPC: A61F5/0063 A61B18/08 A61B18/20 A61F5/0013 A61F5/003 A61F5/0083 A61N2007/0043 A61F5/0066 A61F5/0033 A61F5/005 A61F5/0053 A61F5/0089

European: A61F5/00B6 A61F5/00B6D A61F5/00B6G4 A61F5/00B6S K61B18/08 K61B18/20 K61N7/00C

US: 600/37 601/2 606/14 606/151 606/157 606/157P 606/27 606/33



Family:

Publication number	Publication date	Application number	Application date
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EP2370003 A4	20150805	EP20090831063	20091202
EP2370003 B1	20190417	EP20090831063	20091202
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US8357081 BB	20130122	US20080328979	20081205
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Priority:

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Probable Assignee: ANTEROMED INC

Assignee(s): (std): ANTEROMED INC ; NIHALANI RAJ ; ONCIOMED INC ; ONCLOMED INC ; RESHAPE LIFESCIENCES INC

Assignee(s): RAJ NIHALANI

Inventor(s): (std): NIHALANI RAJ ; RAJ NIHALANI

Agent(s): FB RICE; FB RICE PTY LTD; HEENAN BLAICKIE LLP; PIASETZKI NENNIGER KVAS LLP; VIERING JENTSCHURA AND PARTNER; VIERING JENTSCHURA AND PARTNER MBB PATENT U RECHTSANWALTE; DR MARK FRIEDMAN LTD; SNELL AND WILMER LLP (OC); SNELL AND WILMER LLP; VAKIL KETAN S

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: DEVICES AND METHODS FOR HEART VALVE REPAIR

Abstract: Methods and devices provide constriction of a heart valve annulus to treat cardiac valve regurgitation and other conditions. Embodiments typically include a device for attaching a cinching or tightening apparatus to a heart valve annulus to reduce the circumference of the annulus, thus reducing valve regurgitation. Tightening devices may include multiple tethered clips, multiple untethered crimping clips, stabilizing devices, visualization devices, and the like. In one embodiment, a plurality of tethered clips is secured circumferentially to a valve annulus, and the tether coupling the clips is cinched to reduce the circumference of at least a portion of the annulus. Methods and devices may be used in open heart surgical procedures, minimally invasive procedures, catheter-based procedures, and/or procedures on beating hearts or stopped hearts.

Classifications:

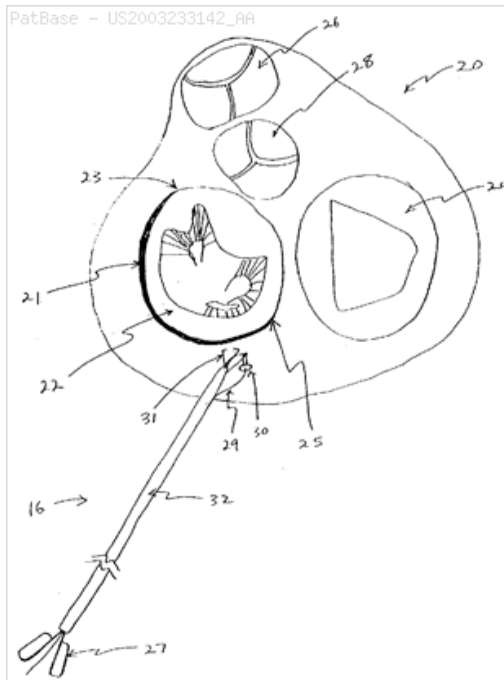
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International (IPC 1-7): A61B17/04 A61B17/06 A61B17/08 A61B17/10 A61B17/12 A61B19/00 A61F2/24 A61M1/00 C08F6/00 C08G63/88

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Probable Assignee: ANCORA HEART INC

Assignee(s): (std): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE ; KINOSHITA KOICHI ; OSAKADA FUMIO ; NARASIMHAN KARUNAKARAN ; NODA ISAO ; STARKSEN NIEL F ; MORALES RODOLFO A ; TO JOHN ; PLIAM NATHAN B ; IM KARL S ; TANG BRIAN ; KANEKA CORP ; CALHOUN TENNY C ; CEARLEY ANGELLA CHRISTINE ; CEARLEY ANGELLA C ; GUIDED DELIVERY SYSTEMS INC ; FABRO MARIEL ; GUIDED DELIVERY SYTEMS INC ; UEDA YASUYOSHI ; YEE KENNETH ; WEI MICHAEL F ; ANCORA HEART INC

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Inventor(s): (std): KINOSHITA KOICHI ; OSAKADA FUMIO ; UEDA YASUYOSHI ; NARASIMHAN KARUNAKARAN ; CEARLEY ANGELLA CHRISTINE ; YEE KENNETH ; NODA ISAO ; MORALES RODOLFO ; WEI MICHAEL ; STARKSEN NIEL ; CEARLEY ANGELLA ; CALHOUN TENNY C ; TANG BRIAN ; IM KARL S ; PLIAM NATHAN B ; TO JOHN ; WEI MICHAEL F ; FABRO MARIEL ; MORALES RODOLFO A ; STARKSEN NIEL F ; YASUYOSHI UEDA ; KOICHI KINOSHITA ; FUMIO OSAKADA ; ANGELLA CHRISTINE CEARLEY ; KENNETH YEE ; KARUNAKARAN NARASIMHAN ; ISAO NODA ; CEARLEY ANGELLA C ; CALHOUN TENNY

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KENYON; KENYON AND KENYON LLP; COOLEY LLP

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

Abstract: An endoscopic instrument to be used with an endoscope. The instrument includes an elongated tube having a distal end and a proximal end, an end effector attached to the distal end of the elongated tube, and a handle attached to the proximal end. The handle includes a mechanism for attaching the instrument to a first vacuum source. The handle further includes a second vacuum source integral with the handle for amplifying the first vacuum source, whereby the first and second vacuum sources combine to operate the end effector.

Classifications:

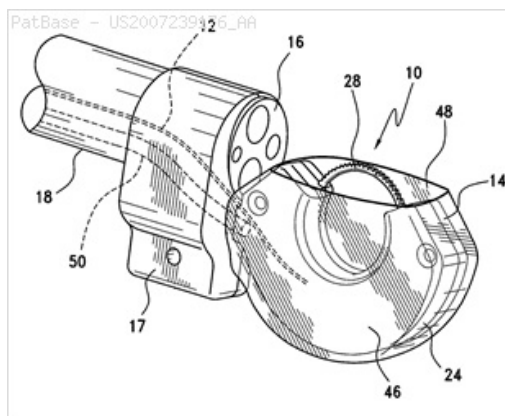
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US: 606/139 606/144 606/144P



Family:

Publication number	Publication date	Application number	Application date
AT452584 E	20100115	AT20070251437T	20070330
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Priority:

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Inventor(s): (std): IV FREDERICK E SHELTON ; STOKES MICHAEL J SHELTON FREDE ; SHELTON FREDERICK E ; SHELTON IV FREDERICK E ; STOKES MICHAEL J ; ORTIZ MARK S ; SHELTON FREDERICK E IV ; IV SHELTON FREDERICK E

Inventor(s): FREDERICK E IV SHELTON ; MICHAEL J STOKES ; MARK S ORTIZ ; FREDERICK E SHELTON IV ; ORTIZ MARK ; STOKES MICHAEL ; SHELTON FREDERICK ; SHELTON FREDERICK EIV

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; HERBERT SMITH FREEHILLS; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; TUNSTALL CHRISTOPHER STEPHEN; CHINA PATENT AGENT HK LTD; WELSH AND FLAXMAN LLC

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 PL PT RO SE SI SK TR YU

Title: DEVICES AND METHODS FOR MAGNETIC TISSUE SUPPORT

Abstract: Devices and methods are disclosed for providing tissue support within the body. A metallic component and a magnetic component are used and allowed to interact through the body of the tissue such that the attractive forces between these components provides the external support needed by that tissue to properly function within its position. Such a technique is described with respect to the particular example of correction of aneurysms.

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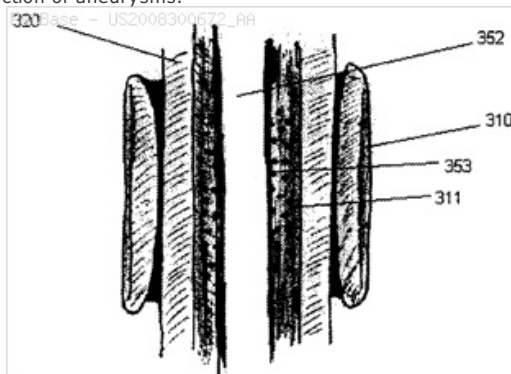
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Probable Assignee: CVDEVICES LLC

Assignee(s): (std): CVDEVICES LLC ; KASSAB GHASSAN ; KASSAB GHASSAN S ; NAVIA JOSE A ; NAVIA JOSE A SR ; NAVIA SR JOSE A ; NAVIA SR JOSE

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Title: CARDIAC ABLATION DEVICES AND METHODS

Abstract: Devices and methods provide for ablation of cardiac tissue for treating cardiac arrhythmias such as atrial fibrillation. Although the devices and methods are often be used to ablate epicardial tissue in the vicinity of at least one pulmonary vein, various embodiments may be used to ablate other cardiac tissues in other locations on a heart. Devices generally include at least one tissue contacting member for contacting epicardial tissue and securing the ablation device to the epicardial tissue, and at least one ablation member for ablating the tissue. Various embodiments include features, such as suction apertures, which enable the device to attach to the epicardial surface with sufficient strength to allow the tissue to be stabilized via the device. For example, some embodiments may be used to stabilize a beating heart to enable a beating heart ablation procedure. Many of the devices may be introduced into a patient via minimally invasive introducer devices and the like. Although devices and methods of the invention may be used to ablate epicardial tissue to treat atrial fibrillation, they may also be used in veterinary or research contexts, to treat various heart conditions other than atrial fibrillation and/or to ablate cardiac tissue other than the epicardium.

Classifications:

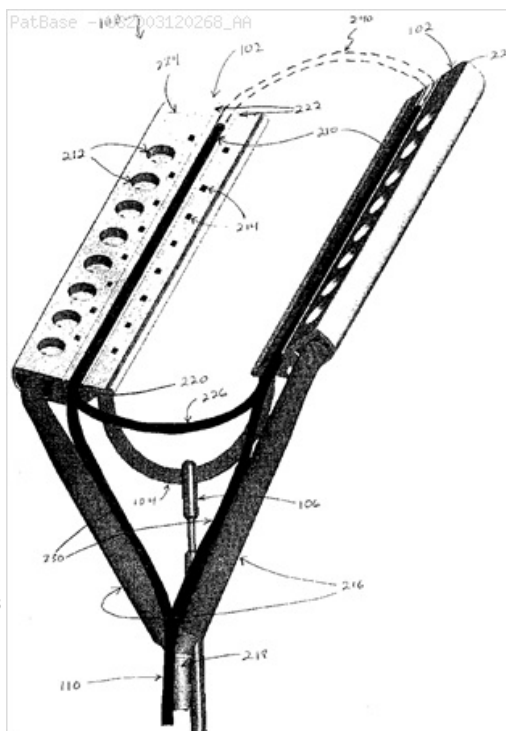
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Probable Assignee: ATRICURE INC

Assignee(s): (std): ATRICURE INC ; BERTOLERO ART ; BERTOLERO ARTHUR A ; CONLEY DANIEL J ; ESTECH INC
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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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ZA ZM ZW

Title: MULTIPLE REMOVABLE APPARATUS AND METHODS FOR MANIPULATING AND SECURING TISSUE

Abstract: Multiple removable apparatus and methods for manipulating and securing tissue are described herein. In creating tissue folds within the body of a patient, a tissue manipulation assembly may generally have tissue stabilizing members adapted to stabilize tissue therebetween, an engagement member slidably disposed through the stabilizing members and having a distal end adapted to engage tissue, and a delivery tube pivotable about the tissue stabilizing members. The tissue manipulation assembly optionally may be configured for removable attachment to an endoscope.

Classifications:

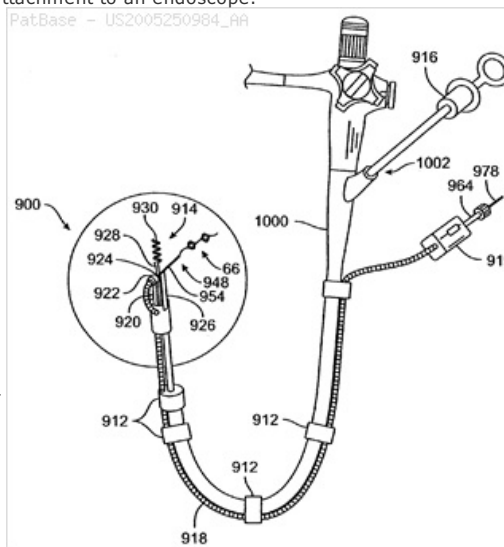
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Family:

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VAHID SARATOGA ; LAM CANG ; MICHLITSCH KENNETH ; EWERS RICHARD ; SWANSTROM LEE

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CHARLES C; CHARLES C; PERKINS COIE LLP; KENNETH H; OHRINER KENNETH H

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
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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: **BARIATRIC** DEVICE AND METHOD

Abstract: A **bariatric** device and method of causing weight loss in a recipient includes providing a **bariatric** device having an esophageal member, a cardiac member and a connector connected with the esophageal member and the cardiac member. The esophageal member has an esophageal surface that is configured to generally conform to the shape and size of a portion of the esophagus. The cardiac member has a cardiac surface that is configured to generally conform to the shape and size of a portion of the cardiac portion of the stomach. The esophageal surface is positioned at the esophagus. The cardiac surface is positioned at the cardiac portion of the stomach. The **bariatric** device stimulates receptors in order to influence a neurohormonal mechanism in the recipient.

Classifications:

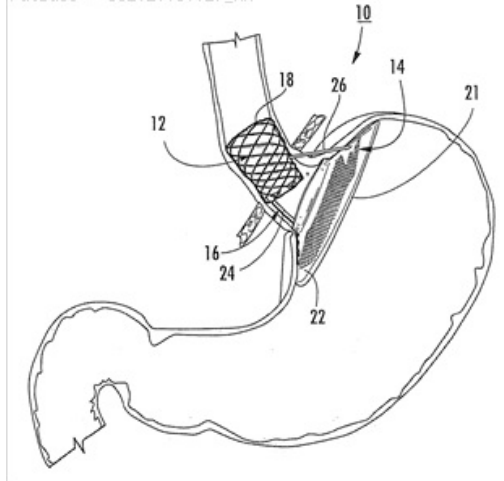
International (IPC 8-9): A61B17/00 A61B17/04 A61B17/064 A61B17/10 A61F2/00 A61F2/02 A61F2/04 A61F2/958 A61F5/00 A61N A61N1/30 (Advanced/Invention); A61B17/04 A61F2/02 A61M25/10 A61N1/30 (Core/Invention); A61N (Subclass/Invention)

CPC: A61M25/04 A61B17/0482 A61B17/0485 A61B17/062 A61B2017/00827 A61B2017/0417 A61B2017/047 A61B2017/0472 A61B2017/06052 A61B2017/2905 A61B2017/2926 A61B2017/2937 A61F5/0079 A61F2220/0016 A61F2220/0008 A61F2210/0004 A61B2050/3015 A61F5/0003 A61B17/00234 A61B17/0401 A61B17/0469 A61B17/064 A61B17/0643 A61B2017/00818 A61B2017/0404 A61B2017/0464 A61B2017/0647 A61B2017/0649 A61F2/04 A61F5/0076 A61F5/0083 A61F2002/045

European: A61B17/00E A61B17/04A A61B17/04E A61B17/062 A61B17/064 A61B17/064C A61F2/04 A61F5/00B A61F5/00B6N A61F5/00B6S A61M25/04 K61B17/00R14 K61B17/00R14R K61B17/04A2 K61B17/04A20 K61B17/04A50 K61B17/04E2 K61B17/04E3 K61B17/04G K61B17/04J K61B17/064 K61B17/064T K61B17/064V K61B17/06B K61B17/29F6 K61B17/29J K61B17/29J6C6 K61B19/02P33 K61F2/04S

US: 600/37 600/37P 606/139 606/144 606/144P 606/153 606/153P 606/191 623/23.64 623/23.7

PatBase - US2010030017_AA



Family:

Publication number	Publication date	Application number	Application date
CN101626806 A	20100113	CN200880005172	20080214
CN101626806 B	20130320	CN200880005172	20080214
EP2114302 A2	20091111	EP20080729718	20080213
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EP2114302 B1	20181226	EP20080729718	20080213
EP2117443 A2	20091118	EP20080729860	20080214
EP2117640 A2	20091118	EP20080729820	20080214
EP2117640 A4	20161123	EP20080729820	20080214
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US20140518414 20141020	US20170844111 20171215	

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU
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Title: CLINICAL AND SURGICAL SYSTEM AND METHOD FOR MOVING AND STRETCHING PLASTIC TISSUE

Abstract: A system and method of moving and stretching plastic tissue using dynamic force. A preferably non-reactive force applying component is adjustably attachable to one or more tissue attachment structures for securing the force applying component to the plastic tissue, providing a self adjusting system that is capable of exerting relatively constant tension over a certain distance.

Classifications:

International (ipc 8-9): A61B A61B17/02 A61B17/03 A61B17/04 A61B17/06 A61B17/064 A61B17/08 A61B17/10

A61B19/00 (Advanced/Invention);

A61B17/03 A61B17/06 A61B19/00 (Advanced/Non-invention);

A61B17/02 A61B17/03 A61B17/04 A61B17/064

A61B19/00 (Core/Invention);

A61B17/06 (Core/Non-invention);

A61B (Subclass/Invention)

International (ipc 1-7): A61B1/32 A61B17/04 A61B17/08

A61B17/10 A61B19/00

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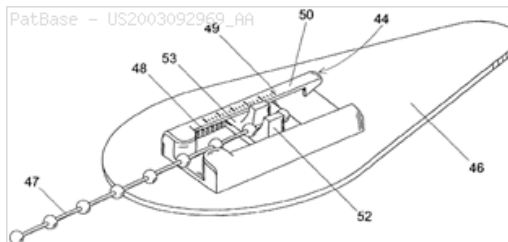
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US: 600/216 606/213 606/215 606/216 606/216P 606/219 606/219S 606/232 606/232P



Family:

Publication number	Publication date	Application number	Application date
AT300244 E	20050815	AT20010931985T	20010509
AU200158666 A1	20011120	AU20010058666	20010509
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Priority:

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Inventor(s): BELL MICHAEL S ; MICHAEL T O MALLEY ; O MALLEY MICHAEL T BELL MICHAEL S G LEE JAMES LEE ; BELL MICHAEL SG ; HENDERSON JAMES O MALLEY MICHAEL T ; MICHAEL S G BELL ; LEONARD G LEE ; O MALLEY MICHAEL ; REITSMA BERT5735 KNIGHTS DRIVEMANOTICKO1K4M 1B2CA ; HENDERSON JAMES5 RUE CHAUDIERE ESTGATINEAUQ1J9H 5E1CA ; MAXWELL TIMOTHY510 MAZARI CRESC.STITTSVILLEO1K2S 0A1CA ; O MALLEY MICHAEL T APPLETON ; MAXWELL TIMOTHY CARP ; REITSMA BERT MANOTICK ; O MALLEY MICHAEL T1 CHURCH STREETAPPLETONO1K0A 1A0CA ; LEE LEONARD GRR#1ALMONTEO1K0A 1A0CA ; LEE JAMES1732 OLD PERTH ROADRURAL ROUTE # 2ALMONTEO1K0A 1A0CA ; BELL MICHAEL S G718 ISLAND PARK DRIVEOTTAWAO1K1Y 0B7CA ; O'MALLEY MICHAEL T

Agent(s): FB RICE; FB RICE PTY LTD; HENDRY ROBERT G; GOWLING LAFLEUR HENDERSON LLP; GODEMEYER BLUM LENZE PATENTANWALTE PARTNERSCHAFT MBB; BOFF JAMES CHARLES; CHINA PATENT AGENT HK LTD; JOHN S PRATT KILPATRICK STOCKTON LLP L3440; JOHN S PRATT KILPATRICK STOCKTON LLP CANICA DESIGN INC; KILPATRICK STOCKTON LLP; WILLIAMS CAMILLA C; CAMILLA C; PRATT JOHN S; JOHN S; KILPATRICK TOWNSEND AND STOCKTON 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 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

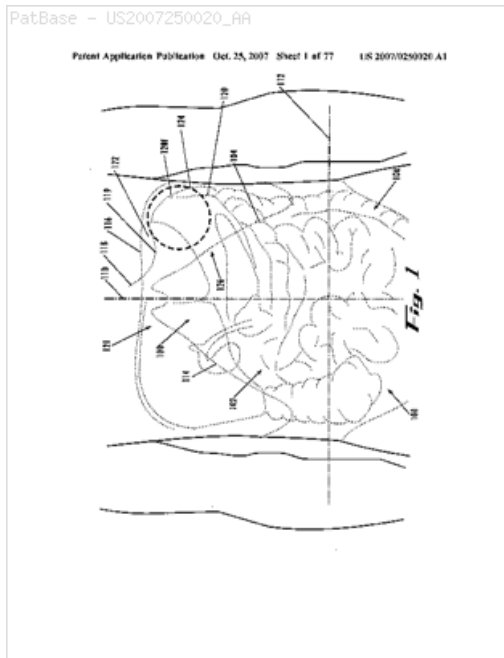
Title: DEVICES AND METHODS FOR TREATMENT OF OBESITY

Abstract: Implantable devices, instruments, kits and methods for treatment of obesity. One or more devices can be implanted adjacent to or in contact with the stomach to occupy a space to prevent the stomach from expanding into that space as food is taken into the stomach. Alternatively, one or more devices may be implanted and expanded to displace at least a portion of the wall of the stomach to decrease the internal volume of the stomach that is available to receive food. Devices may be anchored to one or more internal structures at one or more locations without piercing through the wall of the stomach. Devices can be implanted using minimally invasive methods, such as percutaneous or laparoscopic methods. Delivery instruments are also provided. An intra-gastric sizing device is provided to facilitate implantation of an extra-gastric device in some method embodiments.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/01 A61B1/018 A61B17/00 A61B17/03 A61B17/04 A61B17/072 A61B17/08 A61B17/10 A61B17/115 A61B17/12 A61B17/128 A61B17/34 A61B19/00 A61B5/03 A61B5/05 A61F13/00 A61F17/00 A61F2/00 A61F2/02 A61F2/04 A61F5/00 A61M25/00 A61M25/10 A61M29/00 A61M29/02 A61M31/00 A61M37/00 A61M5/00 B32B37/02 B32B37/06 B32B38/00 (Advanced/Invention); A61B5/03 (Advanced/Non-invention); A61B1/00 A61B1/005 A61B1/012 A61B17/00 A61B17/03 A61B17/04 A61B17/12 A61B17/34 A61B5/03 A61F17/00 A61F2/00 A61F5/00 A61M25/00 A61M29/00 A61M29/02 A61M31/00 A61M37/00 (Core/Invention); A61B5/03 (Core/Non-invention)

CPC: A61B17/1285 A61B2017/00278 A61B2017/00942 A61B2017/12018 A61B2017/3484 A61F5/0033 A61N1/05 A61B2017/00557 A61B2017/0414 A61B2017/0417 A61B2017/0441 A61F2/0063 A61F2/0077 A61F2002/0072 A61B17/0487 A61B2017/00827 A61B2017/0496 A61B2017/06052 A61M29/00 A61M2025/1093 A61B2017/320048 A61M25/007 A61F5/0056 A61B1/018 A61B5/05 A61M5/00 A61M25/10 A61B2017/0411 A61B2017/047 A61B17/3415 A61B17/3423 A61B2017/3456 A61B17/3439 A61B17/3498 A61B2017/0092 A61B2017/320052 A61B2017/3405 A61B2017/3447 A61F5/0089 A61B1/00082 A61B1/01 A61B2017/00902 A61B2017/0462 A61M25/0662 A61M25/1002 A61M29/02 A61B2017/00876 A61B17/072 A61B17/07207 A61B17/07292 A61B17/115 A61M39/0208 A61M39/0247 A61M2039/0223 A61M2039/0261 Y10T156/10 A61B34/20 A61B34/30 A61B90/98 A61B2090/064 A61B2090/3983 A61B17/00234 A61B17/3417 A61B17/3421 A61B90/361 A61B2017/003 A61B2017/320044 A61B2017/349 A61F5/0003 A61M25/0068 A61M25/0069 A61M25/008 A61M25/0102 A61M25/0169 A61B2017/00477 A61B2017/3445 A61B17/0401 A61B17/06066 A61B2017/00818 A61B2017/0404 A61B2017/0451 A61B2017/2905 A61B2017/3449 A61B2090/037 A61B2090/061 A61B2090/395 A61B17/3468 A61B5/036 A61B5/04884 A61B5/416 A61B5/42 A61B17/0467 A61B17/0469 A61B17/0482 A61B2017/00221 A61B2017/0472 A61B2017/0474 A61B2017/0475 A61B2017/0488 A61B2017/06176 A61B2017/2927 A61F5/003 A61F5/0073 A61N1/36007
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US: 128/898 128/898S 156/293 156/293S 156/60 156/60S 600/104 600/104P 600/104S 600/106 600/114 600/114P 600/114S 600/37 600/409 604/164.01 604/164.010P 604/164.010S 604/167.01 604/167.010P 604/175 604/23 604/23S 604/264 604/264P 604/500 604/500S 604/96.01 604/99.01 606/139 606/139P 606/139S 606/144 606/144P 606/144S 606/148 606/148P 606/153 606/153P 606/157 606/157P 606/191 606/191P 606/191S 606/192 606/192P 606/192S 606/198 606/201 606/232 606/232S 623/11.11 623/11.110P

**Family:**

Publication number	Publication date	Application number	Application date
AT544404 E	20120215	AT20090763262T	20090528
AU2007243916 AA	20071108	AU20070243916	20070222
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DK2229108 T3	20120514	DK20090763262T	20090528
EP2007326 A2	20081231	EP20070751367	20070222
EP2043727 A2	20090408	EP20070797004	20070724
EP2043727 A4	20100414	EP20070797004	20070724
EP2066272 A2	20090610	EP20070862928	20071214
EP2079407 A2	20090722	EP20070862929	20071214
EP2229108 A2	20100922	EP20090763262	20090528
EP2229108 B1	20120208	EP20090763262	20090528

EP2273935 A1	20110119	EP20090755748	20090528
EP2285298 A2	20110223	EP20090763261	20090528
EP2314226 A2	20110427	EP20100183574	20090528
EP2314226 A3	20110511	EP20100183574	20090528
EP2361566 A2	20110831	EP20110166442	20090528
EP2361566 A3	20120613	EP20110166442	20090528
EP2401991 A2	20120104	EP20100161737	20070724
EP2401991 A3	20120321	EP20100161737	20070724
EP2449982 A2	20120509	EP20120152950	20071214
EP2449982 A3	20120912	EP20120152950	20071214
US2007250020 AA	20071025	US20060407701	20060419
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US8360069 BB	20130129	US20080250509	20081013
US8398668 BB	20130319	US20070716986	20070310
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US8585733 BB	20131119	US20090474234	20090528
WO07126492 A2	20071108	WO2007US04598	20070222
WO07126492 A3	20080731	WO2007US04598	20070222
WO08013814 A2	20080131	WO2007US16654	20070724
WO08013814 A3	20081204	WO2007US16654	20070724
WO08085290 A2	20080717	WO2007US25613	20071214
WO08085290 A3	20081002	WO2007US25613	20071214
WO08085291 A2	20080717	WO2007US25614	20071214
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WO09146387 A1	20091203	WO2009US45533	20090528
WO09151970 A2	20091217	WO2009US45536	20090528
WO09151970 A3	20100204	WO2009US45536	20090528
WO09151971 A2	20091217	WO2009US45543	20090528
WO09151971 A3	20100225	WO2009US45543	20090528
WO12102920 A1	20120802	WO2012US21676	20120118

Priority:

US20060407701	20060419	US20060474118	20060622	US20060833284P	20060724
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Assignee(s): BRIGHT EARL A ; RESHAPE MEDICAL INC ; VIBRYNT INC REDWOOD CITY ; NIXON SUSIDIARY HOLDINGS LLC ; RESHAPE MEDICAL LLC ; EXPLORAMED NC3 INC A DELAWARE CORP ; VIBRYNT INC A DELAWARE CORP

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Inventor(s): SHUJI UEMURA ; TIMOTHY A LIMON ; BEVERLY HUSS ; MATTHEW B NEWELL ; PABLO G ACOSTA ; THEODORE M BENDER ; PANKAJ RATHI ; DANE A JOHNSON ; BRIAN K SHIU ; CRYSTINE M LEE ; ROBERT M GEORGE ; NARVEL M BROOKS ; BRIGHT EARL A ; BENDER THEODORE M SAN ANSELMO ; FRIEDMANN JOSEF

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; VIERING JENTSCHURA AND PARTNER; ZBM PATENTS; BARLOCCI ANNA; LAW OFFICE OF ALAN W CANNON; ALAN W; LAW OFFICES OF ALAN W CANNON; CANNON ALAN 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: SURGICAL STAPLING INSTRUMENTS INCLUDING A CARTRIDGE HAVING MULTIPLE STAPLE SIZES

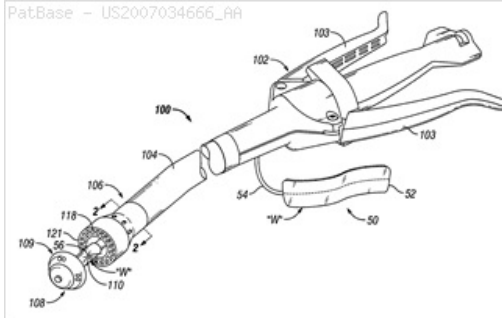
Abstract: A surgical stapling apparatus includes a staple cartridge and an anvil member. The staple cartridge includes a plurality of surgical fasteners disposed in rows of retention slots. The staple cartridge may have an annular or linear configuration of retention slots. The tissue contacting surface of the staple cartridge may be tapered or stepped. The anvil member has a tissue contacting surface that includes a number of pockets arranged for substantially aligning with the retention slots. In addition, the tissue contacting surface of the anvil member may complement the tissue contacting surface of the staple cartridge.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/06 A61B17/064 A61B17/068 A61B17/072 A61B17/10 A61B17/11 A61B17/115 A61B17/12 A61B17/32 A61B17/3205 A61B17/3211 A61B17/68 (Advanced/Invention); A61B17/00 A61B17/072 A61B17/32 A61B17/3205 (Advanced/Non-invention); A61B17/03 A61B17/04 A61B17/064 A61B17/068 A61B17/12 A61B17/32 (Core/Invention)
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US: 1/1 227/109 227/175.1 227/176.1 227/176.100P 227/176.100S 227/177.1 227/178.1 227/178.100P 227/179.1 227/179.100P 227/179.100S 227/180.1 227/180.100P 227/19 227/19S 606/137 606/139 606/143 606/143P 606/219

PatBase - US2007034666_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2006203500 AA	20070301	AU20060203500	20060814
AU2006203500 BB	20120322	AU20060203500	20060814
AU2007202085 AA	20071206	AU20070202085	20070510
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CN101073509 A	20071121	CN200710126615	20070518
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EP1857057 A2	20071121	EP20070009831	20070516
EP1857057 A3	20110309	EP20070009831	20070516
EP1857057 B1	20161214	EP20070009831	20070516
EP1915954 A2	20080430	EP20080000603	20060814
EP1915954 A3	20080507	EP20080000603	20060814
EP1915954 B1	20130515	EP20080000603	20060814
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EP2319423 A2	20110511	EP20100171289	20060814
EP2319423 A3	20130320	EP20100171289	20060814
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EP2322103 A2	20110518	EP20100011046	20060814
EP2322103 A3	20120829	EP20100011046	20060814
EP3257452 A1	20171220	EP20170179668	20071105
ES2424755 T3	20131008	ES20080000603T	20060814
ES2441542 T3	20140205	ES20060016963T	20060814
ES2617088 T3	20170615	ES20070009831T	20070516
ES2644324 T3	20171128	ES20070254366T	20071105
ES2668076 T3	20180516	ES20100171289T	20060814

JP2007050253 A2	20070301	JP20060221298	20060814
JP2007307373 A2	20071129	JP20070130154	20070516
JP2008114072 A2	20080522	JP20070285592	20071101
JP2012148099 A2	20120809	JP20120067219	20120323
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JP2015013157 A2	20150122	JP20140161008	20140807
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Priority:

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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 PL PT RO RS SE SI SK TR YU

Title: OBESITY TREATMENT TOOLS AND METHODS

Abstract: Various obesity treatment tools and methods are described herein, as well as treatments for other gastric-related diseases, e.g., GERD. Treatment includes reducing the size of the stomach pouch to limit the caloric intake as well as to provide an earlier feeling of satiety. This may be done by creating a smaller gastric pouch within the stomach directly from the interior of the stomach itself. The smaller pouches may be made through the use of individual anchoring devices, rotating probes, or volume reduction devices. A pyloroplasty procedure may also be performed to render the pyloric sphincter incompetent. A gastric bypass procedure may additionally be performed using atraumatic magnetic anastomoses devices so that sugars and fats are passed directly to the bowel while bypassing the stomach. Many of these procedures may be done in a variety of combinations. Treatment may create enforced behavioral modifications by discouraging the ingestion of high-caloric foods.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/064 A61B17/08 A61B17/10 A61B17/11 A61B17/115 A61B17/122 A61B17/22 A61B18/04 A61B18/12 A61B19/00 A61F5/00

A61L31/00 (Advanced/Invention);

A61B17/00 A61B17/122 A61B17/30 A61B19/00 (Advanced/Non-invention);

A61B17/00 A61B17/03 A61B17/064 A61B17/22 A61B18/04

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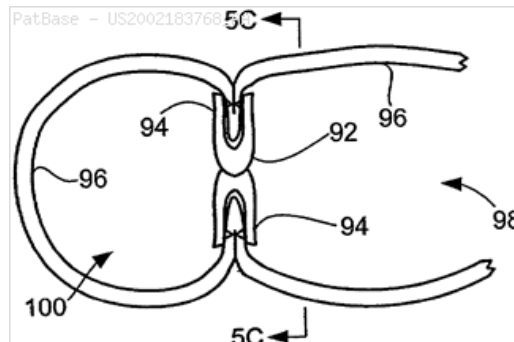
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US: 125/898 128/898 227/175.1 227/176.1 600/37 604/8 606/1 606/116 606/116P 606/139 606/142 606/142S 606/151 606/151P 606/151S 606/153 606/153P 606/1P 606/213 606/213P 623/23.68

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Probable Assignee: ETHICON ENDO SURGERY INC

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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 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

Title: TISSUE ANCHORS AND MEDICAL DEVICES FOR RAPID DEPLOYMENT OF TISSUE ANCHORS

Abstract: Medical devices and related methods for closing a perforation in a bodily wall. The medical device generally includes a set of tissue anchors and an elongate tensioning member. Each anchor includes a crossbar having opposing ends and defining a longitudinal axis. A strand is connected to the crossbar at a location between the opposing ends and projects away from the longitudinal axis. The strand includes a distal end connected to the crossbar and a proximal end having a first connector. The elongate tensioning member is structured to selectively engage and disengage the first connector. The strands of the anchor are capable of being tensioned and fixed together for closing the perforation. The tensioning member is removed after the strands are fixed together.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04 A61B17/10

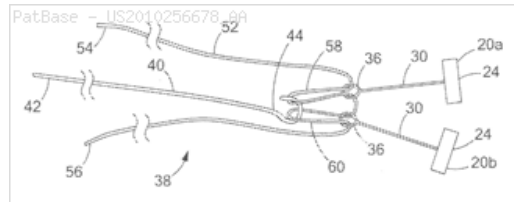
A61B17/12 (Advanced/Invention)

CPC: A61B17/0401 A61B17/0057 A61B2017/00663 A61B2017/0417

European: A61B17/00P A61B17/04A K61B17/00P11S

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US: 606/232 606/232P



Family:

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Priority:

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