## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Arbor Surgical Technologies, Inc.	02/05/2010

### **RECEIVING PARTY DATA**

Name:	Medtronic, Inc.
Street Address:	710 Medtronic Parkway
City:	Fridley
State/Country:	MINNESOTA
Postal Code:	55432

#### PROPERTY NUMBERS Total: 34

Property Type	Number
Patent Number:	7238200
Patent Number:	7422603
Patent Number:	7513909
Patent Number:	6371983
Patent Number:	7556647
Patent Number:	6939365
Patent Number:	7622276
Patent Number:	7201771
Patent Number:	7597711
Application Number:	10327821
Application Number:	11080009
Application Number:	11742390
Application Number:	12202022
Application Number:	10355429
Application Number:	11420720
	PATENT

Application Number:	11742424
Application Number:	12419059
Application Number:	10646639
Application Number:	11457437
Application Number:	11742459
Application Number:	12477861
Application Number:	11032923
Application Number:	11567735
Application Number:	11742481
Application Number:	11069081
Application Number:	11668459
Application Number:	11743957
Application Number:	11069457
Application Number:	11685192
Application Number:	12022898
Application Number:	12115543
Application Number:	12498195
Application Number:	12560404
Application Number:	12574611

#### **CORRESPONDENCE DATA**

Fax Number: (612)492-7077

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6124927000

Email: mthompson@fredlaw.com
Correspondent Name: Fredrikson & Byron, P.A.
Address Line 1: 200 South Sixth Street

Address Line 2: Suite 4000

Address Line 4: Minneapolis, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	000539.0675
NAME OF SUBMITTER:	John S. Parzych

#### **Total Attachments: 23**

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PATENT REEL: 023928 FRAME: 0384 source=Executed-Assignment-Arbor-Medtronic#page7.tif source=Executed-Assignment-Arbor-Medtronic#page8.tif source=Executed-Assignment-Arbor-Medtronic#page9.tif source=Executed-Assignment-Arbor-Medtronic#page10.tif source=Executed-Assignment-Arbor-Medtronic#page11.tif source=Executed-Assignment-Arbor-Medtronic#page12.tif source=Executed-Assignment-Arbor-Medtronic#page13.tif source=Executed-Assignment-Arbor-Medtronic#page14.tif source=Executed-Assignment-Arbor-Medtronic#page15.tif source=Executed-Assignment-Arbor-Medtronic#page16.tif source=Executed-Assignment-Arbor-Medtronic#page17.tif source=Executed-Assignment-Arbor-Medtronic#page18.tif source=Executed-Assignment-Arbor-Medtronic#page19.tif source=Executed-Assignment-Arbor-Medtronic#page20.tif source=Executed-Assignment-Arbor-Medtronic#page21.tif source=Executed-Assignment-Arbor-Medtronic#page22.tif source=Executed-Assignment-Arbor-Medtronic#page23.tif

> PATENT REEL: 023928 FRAME: 0385

#### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Arbor Surgical Technologies, Inc., a Delaware corporation, having an address at 610 Palomar, Sunnyvale, CA 94085 ("Assignor"), does hereby sell, assign, transfer, and convey unto Medtronic, Inc., a Minnesota corporation, having an address at 710 Medtronic Parkway, Fridley, MN 55432 ("Assignee"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

- (a) the items listed in Exhibit A hereto, which includes but is not limited to, provisional patent applications, patent applications and patents (the "*Patents*") as well as the inventions that as reflected by list cannot be associated with a patent filing;
- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Patents;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);
- (d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceedings brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and /or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);
- (g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for
  - (1) damages,
  - (2) injunctive relief, and
  - (3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Assignor represents, warrants and covenants that:

- (1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and
- Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor further agrees for itself and for its successors and assigns to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as Assignee, its successors and assigns may deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rig	nts is executed at
ASSIGNOR:	
ARBOR SURGICAL TECHNOLOGIES, INC.	
Ву:	
Name: STEVE BACKTI  Title CEO (Signature MUST be notarized)	
STATE OF <u>California</u> ) ss.  COUNTY OF <u>San Marko</u> )	
On Fib S Zow, before me, Docques State, personally appeared State, personally known to me basis of satisfactory evidence) to be the person whose name is su instrument and acknowledged to me that he/she executed the sam capacity, and that by his/her signature on the instrument the person behalf of which the person acted, executed the instrument.	(or proved to me on the bscribed to the within to in his/her authorized
WITNESS my hand and official seal.  Signature	(Seal)
<u></u>	

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# EXHIBIT A

ARB- 73992.2	ARB- 73992.1	ARB- 73992	ARB- 68604 WO	ARB- 68604 JP	ARB- 68604 EP	ARB- 68604	Vista IP Matter No.	·
US	US	US	WO	JP	EP	SU	Cntry	
N/A (Exam. Gherbi)	N/A (Exam. Fernandez)	73992 (Exam. Gherbi)	68604	N/A (195460)	N/A (NAMM/ P72793EP00)	68604	Previous Matter No.	
Bioprosthetic Heart Valve (Priority from 68604 WO)	Bioprosthetic Heart Valve (Priority from 68604 WO) (Trefoil Crown)	Bioprosthetic Heart Valve (Priority from 68604 WO) (Leaflet laminate)	Bioprosthetic Heart Valve	Bioprosthetic Heart Valve	Bioprosthetic Heart Valve (No US priority claim)	Bioprosthetic Heart Valve (Priority from 60/157,650)	Title	(20 pages)
Lane	Lane	Lane	Lane	Lane	Lane	Lane	Inventors	
12/202,022 (8/29/08)	(3/11/05)	(12/26/02)	49618 (12/27/01)	2003- 563438 (12/27/01)	(12/27/01)	(10/3/00)	(Filing Date)	
Pub. as 2008/ 0319543 (12/25/08)	7,422,003 (9/9/08) Also Pub. as 2005/ 0159811 (7/21/05)	7,201,771 (4/10/07) Also Pub. as 2003/ 0167089	03/063740 (8/7/03)	41 /0916 (8/15/08) Also Pub. as 2005/ 515836A (6/2/05)	1,465,554 (10/13/04)	(4/16/02)		Detail No

PATENT REEL: 023928 FRAME: 0389

					ν	Datant No
Vista IP	Cntry	Previous Matter No	Title	Inventors	Serial No. (Filing Date)	Issue Date
Matter No.	110	Matter No.	Riologically [mnlantable	Fogarty	10/327,821	Pub. as
AKB-9002	Co	(Exam.	Prosthesis and Methods of	Drews	(12/20/02)	2004/
		Prebilic)	Using the Same	Holmgren		0122516
		1	(Expandable gasket)	Modesitt		(6/24/04)
ARR-9002	CA	N/A	Biologically Implantable	Fogarty	2509211	
CA		(50927-8)	Prosthesis and Methods of	Drews	(12/20/03)	
1		,	Using the Same	Holmgren		***************************************
				Modesitt		
ARB-9002	EP	N/A	Biologically Implantable	Fogarty	03800158.2	Pub. as
EP		(NAMM/SJT/	Prosthesis and Methods of	Drews	(12/20/03)	EP
		P79505EP00)	Using the Same	Holmgren		1585463
		,	1	Modesitt		(10/19/05)
ARB-9002	JÞ	N/A	Biologically Implantable	Fogarty	2004-	Pub. as
JP		(P200257)	Prosthesis and Methods of	Drews	564040	2006-
			Using the Same	Holmgren	(12/20/03)	511279A
				Modesitt		(4/6/06)
ARB-9002	WO	TJF 9002-	Biologically Implantable	Fogarty	PCT/US03/	WO 2004/
WO		PCT	Prosthesis and Methods of	Drews	41222	058106
			Using the Same	Holmgren	(12/20/03)	(7/15/04)
				Modesitt		
ARB-	SU	TJF 9002.1	Biologically Implantable	Fogarty	10/355,429	Pub. as
9002.1		(Exam.	Prosthesis and Methods of	Drews	(1/31/03)	2004/
		Prebilic)	Using the Same	Holmgren		0122514
			(CON of ARB-9002	Modesitt		(6/24/04)
		·	(Two piece valve)			
ARB-	SU	TJF 9002.2	Biologically Implantable	Fogarty	10/379,311	6,939,365
9002.2		(Exam.	Prosthesis and Methods of	Drews	(3/3/03)	(9/6/05)
		Prebilic)	Using the Same	Holmgren		
			(CON of ARB-9002)	Modesitt		

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Vista IP	Cntry	Previous Matter No	Title	Inventors	Serial No. (Filing Date)	Issue Date
1.1000			(Fixturing elements)			
ARB-	SU	N/A	Biologically Implantable	Fogarty	11/080,009	Pub. as
9002.3		(Exam.	Prosthesis and Methods of	Drews	(3/14/05)	2003/
		Prebilic)	Using the Same	Holmgren		0240203
		,	(CON of ARB-9002)	Modesitt		(10/2//05)
			(Methods and Magnets)			
ARB-9003	SU	TJF 9003-US	Prosthesis Fixturing	Fogarty	10/646,639	Pub. as
1			Devices and Methods for	Drews	(8/22/03)	2005/
		(Exam.	Using the Same	Holmgren		0043760
		Prebilic)	(Ratcheting connectors)	Gutierrez		(2/24/05)
ARB-9003	ΕP	N/A	Prosthesis Fixturing	Fogarty	04781581.6	EP
EP		(NAMM/SJT/	Devices and Methods for	Drews	(2/20/06)	1659981
		P83516EP)	Using the Same	Holmgren		(5/31/06)
				Gutierrez		
ARB-9003	JP	N/A	Prosthesis Fixturing	Fogarty	2006-	Pub. as
JP		(P206576)	Devices and Methods for	Drews	524036	2007-
		,	Using the Same	Holmgren	(8/19/04)	533348A
				Gutierrez		(11/22/07)
ARB-9003	WO	N/A	Prosthesis Fixturing	Fogarty	PCT/US	WO 2005/
WO			Devices and Methods for	Drews	2004/026922	020842
			Using the Same	Holmgren	(8/19/04)	(3/10/05)
				Gutierrez		
ARB-9012	SU	TJF-9012	Attachment Device and	Drews	10/681,700	7,556,647
		(Exam.	Methods of Using the Same	Gurskis		(7/7/09)
		Ryckman)	(TRE)	Bacich .		Also Pub.
		,	,			as 2005/
						0080454
ARB-	SU	N/A	Attachment Device and	Drews	12/498,195	~~~
9012.1			Methods of Using the Same	Gurskis	(7/6/09)	

Pub. as 2005/			(Crown-gasket connector)	Pelligrino)		
(10/6/09)	(1/26/04)		Methods for Using Them	(Exam.	1	
7,597,711	10/765,725	Lane	Heart Valve Assembly and	9014	US	ARB-9014
	(10/6/04)					
5/12/05	33149	Bacich	(			:
041784	2004US/	Gurskis	Methods of Using the Same		:	WO
WO 2005/	PCT/	Drews	Attachment Device and	N/A	WO	ARB-9012
(11/22/07)						
533362A	(10/6/05)	Bacich		,		•
2007-	534353	Gurskis	Methods of Using the Same	(P207277)		JP
Pub. as	2006-	Drews	Attachment Device and	N/A	JP	ARB-9012
		Bacich	(TRE)			
	(12/7/09)	Gurskis	Methods of Using the Same			9012.1 EP
	09015108.5	Drews	Attachment Device and	N/A	ΕP	ARB-
1670364						
as EP						
Also pub.						•••
(12/16/09)		Bacich	(TRE)	EP00)		ţ
1,670,364	(10/6/04)	Gurskis	Methods of Using the Same	(P84115		F.P
EP	04816910.6	Drews	Attachment Device and	N/A	EP	ARB-9012
		Bacich	(			Ç
	(10/6/04)	Gurskis	Methods of Using the Same	(50927-34)		CA
	2541171	Drews	Attachment Device and	N/A	CA	ARR-9012
		Bacich				1
	(10/6/04)	Gurskis	Methods of Using the Same	(758422)	1	AU
	2004285424	Drews	Attachment Device and	N/A	AU	ARR-9012
			9012)			
		Bacich	(TRE) (CON of ARB-			
Date Date	(Filing Date)			Matter No.		Matter No.
Patent No.	Serial No.	Inventors	Title	Previous	Cntry	Vista IP
7						

	12/134,170	Williamson	Means and Method of	N/A	US	ARB-
			(Reissue of ARB-9016)			To be set if the set is the set i
			Valve)			
			Manner (Clip Tool +			
			a Minimally Invasive	Prebilic)		
(6/10/08)	(6/7/04)	IV et al.	Replacing a Heart Valve in	(Exam.		9015R
Re 40377	10/863,862	Williamson	Means and Method of	N/A	US	ARB-
	(1/24/05)					
(8/11/05)	02157	Bacich	(Crown-gasket connector)			
072655	US2005/	Gurskis	Methods for Using Them			WO
WO 2005/	PCT/	Drew	Heart Valve Assembly and	N/A	WO	ARB-9014
(7/19/07)						
519483A	(1/24/05)		(Crown-gasket connector)			
2007-	551359		Methods for Using Them	(P209061)		JP
Pub. as	2006-	Lane	Heart Valve Assembly and	N/A	JP	ARB-9014
(10/11/06)	(1/24/05)		(Crown-gasket connector)	EP00)		
1,708,650	2310		Methods for Using Them	(P87086		EP
Pub. as EP	05706046.9-	Lane	Heart Valve Assembly and	N/A	EP	ARB-9014
			(Crown-gasket connector)			
	(1/24/05)		Methods for Using Them	(50927-41)		CA
	2552646	Lane	Heart Valve Assembly and	N/A	CA	ARB-9014
			(Crown-gasket connector)			
	(1/24/05)		Methods for Using Them			AU
	2005209263	Lane	Heart Valve Assembly and	N/A	AU	ARB-9014
			(CON of ARB-9014)			
	(10/6/09)		Methods for Using Them		,	9014.1
	12/574,611	Lane	Heart Valve Assembly and	N/A	US	ARB-
(7/28/05)						
0165470	(Tung Suna)			Matter No.		Matter No.
Patent No.  Issue Date	Serial No. (Filing Date)	Inventors	Title	Previous	Cntry	Vista IP
ז ג בייג און						

Replacing a Heart Valve in a Minimally Invasive Manner (Clip Tool)  (Reissue of ARB-9016)  US N/A (Exam. Means and Method of Prebilic) Replacing a Heart Valve in a Minimally Invasive Manner (Methods)  (Reissue of ARB-9016)  US N/A Means and Method of Replacing a Heart Valve in IV et al. a Minimally Invasive Manner (Copy Manner Use in received)  US CVT-03 Extremely Long Wire (Copy Fasteners for Use in Handling Those Fasteners Ward (Exam. Woo) Fasteners for Use in (Exam. Woo) Fasteners for Use in Minimally Invasive Surgery Spence and Means and Methods for Robinson (CON of ARB-9017)  US CVT-03CA- Long Wire Fasteners for Use in Minimally Invasive Surgery Spence and Means and Methods for Robinson (CON of ARB-9017)  US CVT-03CA- Long Wire Fasteners for Use in Minimally Invasive Surgery Spence Surgery and Methods for Keller Keller Keller (Macrae Surgery and Methods Robinson Robinson Company and Methods (Macrae Surgery Argent) Spence (Macrae Surgery Argent)	Vista IP	Cntry	Previous  Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
A Minimally Invasive Manner (Clip Tool) Relissue of ARB-9016)  US N/A (Exam. Means and Method of ARB-9016)  Replacing a Heart Valve in a Miliamson (10/31/07)  Replacing a Heart Valve in a Miliamson (10/31/07)  Replacing a Heart Valve in IV et al. (10/31/07)  Replacing a Heart Valve in IV et al. (5/6/99)  Resisue of ARB-9016)  Williamson (9/306,448) Replacing a Heart Valve in IV et al. (5/6/99)  Replacing a Heart Valve in IV et al. (5/6/99)  Aminimally Invasive  Manner  Minimally Invasive Surgery (1/17/02)  Restremely Long Wire Spence (1/17/02)  Handling Those Fasteners  Ward  US CVT-03A Extremely Long Wire Robinson  Handling Those Fasteners  Pasteners for Use in Minimally Invasive Surgery (1/17/02)  Restremely Long Wire (1/17/02)  Handling Those Fasteners  Ward  US CVT-03A Extremely Long Wire (1/17/02)  Handling Those Fasteners  CON of ARB-9017)  Ward  Use in Minimally Invasive Surgery Ward  Use in Minimally Invasive Spence  (10/14/99)  Ward  Use in Minimally Invasive Spence  (10/14/99)  Ward  2,378,971  CA CVT-03CA- Long Wire Fasteners for Williamson 2,378,971  (1/17/02)  Restrementers for Use in Williamson 2,378,971  Replacing a Heart Valve in IV et al. (1/17/02)  Ward  Use in Minimally Invasive Spence (1/1/1/99)  Restrementers for Williamson 2,378,971  CA CVT-03CA- Surgery and Methods  Replacing a Heart Valve in IV et al. (1/17/02)  Replacing a Heart Valve in IV et al. (1/17/02)  Williamson 10/786,657  Ward  Use in Minimally Invasive Surgery Spence (1/1/1/99)	Matter No.		INTUINE INC.	Replacing a Heart Valve in	IV et al.	(6/5/08)	
Manner (Clip Tool)	CON			a Minimally Invasive			
CReissue of ARB-9016)   Williamson   11/982,294	(			Manner (Clip Tool)			
US N/A (Exam. Means and Method of Prebilic) Replacing a Heart Valve in IV et al. (10/31/07)  N/A (Exam. Replacing a Heart Valve in A Minimally Invasive Manner (Methods)  (Reissue of ARB-9016) (Reissue of ARB-9016)  N/A Means and Method of Replacing a Heart Valve in IV et al. (5/6/99)  A Minimally Invasive Minimally Invasive Surgery Replace of ARB-9017)  US CVT-03 Extremely Long Wire (copy Fasteners for Use in Handling Those Fasteners Ward (1/17/02)  Extremely Long Wire Williamson (1/17/02)  Handling Those Fasteners Ward (1/17/02)  Fasteners for Use in Minimally Invasive Surgery Spence and Means and Methods for Keller and Means and Methods for Handling Those Fasteners (Non Keller and Means and Methods for Keller and Means and Methods for Keller (1/17/03)  CA CVT-03CA- Long Wire Fasteners for Ward (2/27/04)  (Use in Minimally Invasive Spence (1/17/99)  (Use in Minimally Invasive Spence (1/17/99)  (Use in Minimally Invasive Spence (1/17/99)  (Macrae Surgery and Methods Keller (1/17/99)				(Reissue of ARB-9016)			
DIV Prebilic) Replacing a Heart Valve in IV et al. (10/31/07)  a Minimally Invasive Manner (Methods) (Reissue of ARB-9016)  OUS N/A Means and Method of Replacing a Heart Valve in IV et al. (5/6/99)  a Minimally Invasive Manner  OUS CVT-03 Extremely Long Wire (copy Fasteners for Use in received)  IN Minimally Invasive Surgery Mand Means and Methods for Robinson Handling Those Fasteners  Extremely Long Wire Williamson (1/17/02)  Minimally Invasive Surgery Ward  CVT-03A Extremely Long Wire Williamson (1/17/02)  Minimally Invasive Surgery Spence and Means and Methods for Robinson (2/27/04)  Minimally Invasive Surgery Spence and Means and Methods for Robinson (2/27/04)  Minimally Invasive Surgery Spence (2/27/04)	ARR-	SU	N/A (Exam.	Means and Method of	Williamson	11/982,294	
A Minimally Invasive  Manner (Methods)  (Reissue of ARB-9016)  (Means and Method of Replacing a Heart Valve in IV et al.  (S6/99)  A Minimally Invasive  Manner  (Copy Fasteners for Use in received)  (Copy Handling Those Fasteners  (Exam. Woo)  (Exam. Woo)  Minimally Invasive Surgery  (Exam. Woo)  Minimally Invasive Surgery  And Means and Methods for Robinson  (Exam. Woo)  Minimally Invasive Surgery  And Means and Methods for Robinson  (CON of ARB-9017)  (CON of ARB-9017)  (CON of ARB-9017)  (CON of ARB-9017)  (CON of Arbinimally Invasive Spence  (Macrae  (Macrae  Surgery and Methods  Keller  Robinson  (2,277/04)  Ward  (2,277/04)	9015R DIV	į	Prebilic)	Replacing a Heart Valve in	IV et al.	(10/31/07)	
Manner (Methods)  (Reissue of ARB-9016)  (Reissue of ARB-9017)  (Sold-129  (Sold-129  (COT-03  (COT-03  (Extremely Long Wire Fasteners for Use in Handling Those Fasteners Ward  (I/17/02)  (				a Minimally Invasive			
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US N/A Wire Fasteners for Use in Minimally Invasive Surgery IV (2/20/98)  and Apparatus and Methods for Handling Those Fasteners  US N/A Means and Methods of Replacing a Heart Valve in a Minimally Invasive Manner  US N/A Extremely Long Wire Fasteners for Use in Minimally Invasive Surgery and Means and Methods for Handling Those Fasteners  US N/A Conformable Prostheses for Lane 11/069,081				Invasive Surgery			
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US N/A Extremely Long Wire Williamson 09/369,196 (8/6/99)  Handling Those Fasteners for Lane 11/069,081 IV  OS N/A Conformable Prostheses for Lane 11/069,081 IV				Replacing a Heart Valve in	IV	(2/21/97)	(3/28/00)
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	ARB-9023	US	N/A	Conformable Prostheses for	Lane	11/069,081	Pub. as

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Vista IP	Cntry	Previous	Title	Inventors	(Filing Date)	Issue Date
Matter No.		Matter No.	Implanting Prosthetic Heart	Drews	(2/28/05)	2006/
		Ganesan)	Valves	Gurskis		0195184
		,	(Conformable gasket)			(8/31/00)
ARB-9023	AU	N/A	Conformable Prostheses for	Lane	2006218877	
AU		(23887ARB/	Implanting Prosthetic Heart	Drews	(2/24/06)	
1		TMM:SP)	Valves	Gurskis		
ARB-9023	CA	N/A	Conformable Prostheses for	Lane	· · · · · · · · · · · · · · · · · · ·	
CA		(50927-73)	Implanting Prosthetic Heart	Drews	(2/24/06)	
		27/2	varves	Tone	06701005 4	Puh as
AKB-9023	D.F	14.5	Implanting Prosthetic Heart	Drews	(2/24/06)	EP
and a			Valves	Gurskis		1,858,451 (11/28/07)
ARB-9023	JP	N/A	Conformable Prostheses for	Lane	2007-	Pub. as
Jp			Implanting Prosthetic Heart	Drews	558074	2008-
			Valves	Gurskis	(2/24/06)	531201A (8/14/08)
ARR-9023	WO	N/A	Conformable Prostheses for		PCT/US06/	WO 06/
WO	:	1	Implanting Prosthetic Heart		06439	093795
			Valves		(2/24/06)	(9/8/06)
			(Combination of ARB-			
			9023, 9024, 9029)		11/0/0 457	Dath as
ARB-9024	SU	N/A	Two Piece Heart Valves		(2/28/05)	7006/
		(EXAIII.	and intellious for osmig		(1,10,00)	0195185
		Carresarr)	Chaum and but	•		(8/31/06)
			orientation)			`
ARB-9025	US	N/A	Apparatus and Methods for	Ino	11/004,445	Pub. as
		Exam. Lang)	Delivering Fasteners	Drews	(12/3/04)	2006/

		ARB-9026 US			WO	ARB-9025 WO			JP	ARB-9025 JP			EP	ARB-9025 EP			CA	ARB-9025 CA				ARB-9025 AU			<b>-</b>	ARB- US				Victa ID Chtry
Fernandez)	(Exam.	N/A				N/A			•	N/A			(P92460EP)	N/A		-	(50927-66)	N/A				N/A		,	(Exam. Lang)	N/A				v Previous
	Biological Tissue	Methods for Processing	(TRE delivery tool)	During Valve Replacement	Delivering Fasteners	Apparatus and Methods for	(TRE delivery tool)	During Valve Replacement	Delivering Fasteners	Apparatus and Methods for	(TRE delivery tool)	During Valve Replacement	Delivering Fasteners	Apparatus and Methods for	(TRE delivery tool)	During Valve Replacement	Delivering Fasteners	Apparatus and Methods for	(TRE delivery tool)	During Valve Replacement	<b>Delivering Fasteners</b>	Apparatus and Methods for	(TRE delivery tool)	During Valve Replacement	Delivering Fasteners	Apparatus and Methods for	(TRE delivery tool)	During Valve Replacement		Title
Cambron	Ochoa	Cunanan		Gurskis	Drews	Ino		Gurskis	Drews	Ino		Gurskis	Drews	Ino		Gurskis		Inventors												
	(1/11/05)	11/032,923		(11/30/05)	043503	PCT/US05/		(11/30/05)	544517	2007-		**	(11/30/05)	05852666.6			(11/30/05)	2587660			(11/30/05)	2005311796			(1/30/08)	12/022,898			(Filing Date)	Serial No.
0154230	2006/	Pub. as		(6/8/06)	060594	WO 06/	(6/26/08)	521571A	2008-	Pub. as		(9/19/07)	1,833,381	Pub as EP									(5/22/08)	01198/5	2008/	Pub. as	(6/8/00)	0122034	issue Date	Patent No.

PATENT REEL: 023928 FRAME: 0397

	11/743,957	Lee	Tissue Valve Leaflets and	N/A (Exam.	SU	ARB-
			(Leaflets with Holes)			
			Leaflets			
			Prostheses Including Such	Sweet)		
(7/3/07)	(6/3/05)	Lane	Making Leaflets and Valve	(Exam.		
7,238,200	11/144,254	Lee	Apparatus and Methods for	N/A	SD	ARB-9028
			(Laminate Testing)			
			Laminates			
		Cambron	Testing Tissue Valve			
		Bentsen	Apparatus and Methods for	N/A	SU	ARB-9027
(7/20/06)	(1/9/06)	Cambron				
076316	00732	Ochoa	Biological Tissue			WO
WO 06/	PCT/US06/	Cunanan	Methods for Processing	N/A	WO	ARB-9026
		Cambron	(DIV of ARB-9026 EP)			
		Ochoa	Biological Tissue			9026.1 EP
		Cunanan	Methods for Processing	N/A	EP	ARB-
(10/17/07)		Cambron		P92177EP00)		
EP	(1/9/06)	Ochoa	Biological Tissue	(SCB/MPS/		EP
Pub. as	06717879.8	Cunanan	Methods for Processing	N/A	EP	ARB-9026
	(1/2/00)	Cambron	Biological Lissue	12)		CA
	(1/0/06)	Cunanan	Methods for Processing	N/A (52635-	CA	ARB-9026
0207031						
as 2006/		Camoron	(DIV of ARB-9026)	Fernandez)		
Also Pub.	(0/0/00)	Cambron	Biological Lissue	(Exam.		9026.1
7,622,276	11/422,576	Cunanan	Methods for Processing	N/A	SU	ARB-
(//15/00)						
Issue Date	(Filing Date)			Matter No.		Matter No.
Patent No.	Serial No.	Inventors	Title	Previous	Cntrv	Victa IP
The Nin						

Victa ID	Cntry	Previous	Title	Inventors	Serial No.	Patent No.
Matter No.	(	Matter No.			(Filing Date)	Issue Date
9028.1		Sweet)	Methods for Making Them	Lane	(5/3/07)	
1		,	(CON of ARB-9028)			
ARB-9028	CA	N/A	Apparatus and Methods for	Lee	2,609,398	
CA		(52635-5)	Making Leaflets and Valve	Lane	(6/2/06)	
:		•	Prostheses Including Such			
			Leaflets			
			(Leaflets with Holes)			
ARB-9028	ΕP	N/A	Apparatus and Methods for	Lee	06760639.2	Pub. as
EP		(P96099	Making Leaflets and Valve	Lane	(6/2/06)	EP
		EP00)	Prostheses Including Such			1,901,681
			Leaflets			(3/26/08)
			(Leaflets with Holes)			•
ARB-9028	WO	N/A	Apparatus and Methods for	Lee	PCT/US06/	Pub. as
WO			Making Leaflets and Valve	Lane	021391	WO 2006/
			Prostheses Including Such		(6/2/06)	132948
			Leaflets			(12/14/06)
			(Leaflets with Holes)			
ARB-9029	SU	N/A	Two Piece Heart Valves	Drews	11/069,617	Pub. as
		(Exam.	and Methods for Using	Gurskis	(2/28/05)	2006/
		Schillinger)	Them	Lane		0195186
			(Crown-gasket	Knab		(8/31/06)
			Connections)			
ARB-9030	US	N/A	Calcification Mitigation	Cunanan		
			Using a Variety of Energy			
			Sources and Solutions			
ARB-9031	SU	N/A	Two-Piece Bioprosthetic	Lane	11/279,246	7,513,909
		(Exam. Snow)	(Exam. Snow) Heart Valve with Snap-In	Lee	(4/10/06)	(4/7/09)
			Connection	Huang		Also Pub.
						as 2006/

		<u> </u>	A				JÞ	$\triangleright$				EP	A		-				الإ			<b>&gt;</b>				<b>.</b>		 < <	1
		WO	ARB-9032					ARB-9032		••		Ā	ARB-9032						ARB-9032			ARB-9031P			AKB-9031.1		ratter 140.	Vista ir	
		1. 5.····	WO					JP					EP						US			US			ŭ	770		CIILIY	Catery,
			N/A				(P220428)	N/A		EP00)	P103561	(NAMM/SJF/	N/A					(Exam. Erezo)	N/A			N/A		(District Size ii)	(Fyam Snow)	NI/A		Matter No.	Dravions
and Methods for Delivering Them	Assemblies and Apparatus	Prosthetic Heart Valve	Multiple Component	Them	and Methods for Delivering	Assemblies and Apparatus	Prosthetic Heart Valve	Multiple Component	Them	and Methods for Delivering	Assemblies and Apparatus	Prosthetic Heart Valve	Multiple Component	(Foldable Gaskets)	Delivering Them	Apparatus and Methods for	Valve Assemblies, and	Piece Prosthetic Heart	Foldable Prostheses, Two	Connection	Heart Valve with Snap-In	Two-Piece Bioprosthetic	СОлизоснои			Two-Piece Rionrosthetic		1 1 2 2 2 2	Title
Ino Hong	Fiterrer	Nguyen-	Gurskis	Hong	Ino	Fiterrer	Nguyen-	Gurskis	Hong	Ino	Fiterrer	Nguyen-	Gurskis			Ino	Fiterrer	Nguyen-	Gurskis	Huang	Lee	Lane	à	Huang	Lee	Lane			Inventors
	(4/29/07)	067724	PCT/US07/			(4/29/07)	508005	2009-				(4/29/07)	07761540.9					(4/30/07)	11/742,424		(4/8/05)	60/669,704			(4/6/09)	12/419,059		(Filing Date)	Serial No.
(11/15/07)	067724	WO 2007/	Pub. as		(10/1/09)	535128A	2009-	Pub. as	si.	(2/18/09)	2,023,860	EP	Pub. as			(2/7/08)	0033543	2008/	Pub. as				(7/30/09)	0192599	US 2009/	Pub. as	0235508	Issue Date	Patent No.

ARB-9035 US N/A (Exam. Multipl	(Incl. A 9041P)			ARB-9034 WO N/A Gasket	9041P)	(Incl. A	EP00) Method	(P96642		ARB-9034 EP N/A Gasket	EP N/A	EP N/A	P US N/A EP N/A	US N/A	US N/A	US N/A	US N/A EP N/A	US N/A (Exam. Miller)  US N/A  EP N/A	US N/A (Exam. In Miller) In Miller) In Miller) In Miller) In Miller In Mille	US N/A (Exam. Miller) I	US N/A (Exam. Miller)  US N/A  US N/A	US N/A (Exam. Erezo) I  US N/A (Exam. I  Miller) I  US N/A	US N/A (Exam. Erezo)   US N/A (Exam.   US N/A (Exam.   Miller)   US N/A   US N/A	US N/A (Exam. Erezo)   US N/A (Exam.   US N/A (Exam.   Miller)   US N/A	US N/A (Exam. Erezo) l US N/A (Exam. IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	9033 US N/A (Exam. Erezo)   1	9033 US N/A (Exam. Erezo)   9034 US N/A (Exam.   9034P US N/A (Exam.   9034P US N/A   9034P US N	US N/A   1   1   1   1   1   1   1   1   1	No. US N/A I  103
Multiple Component	(Incl. ARB-9034P and 9041P)	Methods for Using Them	Prosthetic Heart Valves and	Gasket with Collar for	9041P)	(Incl. ARB-9034P and	Methods for Using Them	Prosthetic Heart Valves and	Casker with Condi ion	Gasket with Callar for	Gasket Canbat with Callar for	Valve with Conformable  Gasket  Gasket with Collar for	Two-Piece Mechanical Valve with Conformable Gasket Gasket with Collar for	9041P) Two-Piece Mechanical Valve with Conformable Gasket Gasket with Collar for	(Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Conformable Gasket Gasket with Collar for	Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Conformable Gasket Gasket	Prosthetic Heart Valves and Methods for Using Them (Incl. ARB-9034P and 9041P)  Two-Piece Mechanical Valve with Conformable Gasket	Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P)  Two-Piece Mechanical Valve with Conformable Gasket	Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Conformable Gasket	for Delivering Them (Guide Rail/Valve Holder) Gasket with Collar for Prosthetic Heart Valves and Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Conformable Gasket	Assemblies and Apparatus for Delivering Them  (Guide Rail/Valve Holde)  Gasket with Collar for Prosthetic Heart Valves an Methods for Using Them (Incl. ARB-9034P and 9041P)  Two-Piece Mechanical Valve with Collar for Gasket	Prosthetic Heart Valve Assemblies and Apparatu for Delivering Them (Guide Rail/Valve Holde Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Conformable Gasket	Multiple Component Prosthetic Heart Valve Assemblies and Apparatu for Delivering Them (Guide Rail/Valve Hold) Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Collar for Gasket	Delivering Them Multiple Component Prosthetic Heart Valve Assemblies and Apparatu for Delivering Them (Guide Rail/Valve Holdu Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Collar for Gasket	Apparatus and Methods for Delivering Them  Multiple Component Prosthetic Heart Valve Assemblies and Apparatus for Delivering Them  (Guide Rail/Valve Holder)  Gasket with Collar for Prosthetic Heart Valves and Methods for Using Them (Incl. ARB-9034P and 9041P)  Two-Piece Mechanical Valve with Collar for Gasket with Collar for Gasket	Valve Assemblies, and Apparatus and Methods f Delivering Them Multiple Component Prosthetic Heart Valve Assemblies and Apparatu for Delivering Them (Guide Rail/Valve Hold) Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Collar for Gasket	Piece Prosthetic Heart Valve Assemblies, and Apparatus and Methods f Delivering Them Multiple Component Prosthetic Heart Valve Assemblies and Apparatu for Delivering Them (Guide Rail/Valve Holdu Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Collar for Gasket	Foldable Prostheses, Two Piece Prosthetic Heart Valve Assemblies, and Apparatus and Methods fi Delivering Them Multiple Component Prosthetic Heart Valve Assemblies and Apparatu for Delivering Them (Guide Rail/Valve Hold) Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Collar for Gasket Gasket	Foldable Prostheses, Two Piece Prosthetic Heart Valve Assemblies, and Apparatus and Methods fa Delivering Them Multiple Component Prosthetic Heart Valve Assemblies and Apparatu for Delivering Them (Guide Rail/Valve Holde Gasket with Collar for Prosthetic Heart Valves a Methods for Using Them (Incl. ARB-9034P and 9041P) Two-Piece Mechanical Valve with Collar for Gasket Gasket
Gurskis			ind Drews	Lane			Gurskis	ind Drews	Lane		Gurskis	Drews Gurskis	Lane Drews Gurskis	Lane Drews Gurskis	Lane Drews Gurskis		pg.	nd	nd er)	nd er)	nd er)	nd er)	nd er)						
11/742,481		(5/26/06)	20554	PCT/US06/				(5/26/06)	06771363.6	_		(5/27/05)	(5/27/05)	60/685,265 (5/27/05)	60/685,265 (5/27/05)	60/685,265	(5/26/06) 60/685,265 (5/27/05)	(5/26/06) (5/26/06) (5/27/05)	11/420,720 (5/26/06) (5/26/05) 60/685,265 (5/27/05)	11/420,720 (5/26/06) (5/27/05)	11/420,720 (5/26/06) (5/27/05)	(4/30/07) 11/420,720 (5/26/06) 60/685,265 (5/27/05)	(4/30/07) (4/30/07) (11/420,720 (5/26/06) (5/26/06) (5/27/05)	11/742,459 (4/30/07) (11/420,720 (5/26/06) (5/26/05) 60/685,265 (5/27/05)	11/742,459 (4/30/07) (11/420,720 (5/26/06) (5/26/05)	11/742,459 (4/30/07) (11/420,720 (5/26/06) (5/26/06) (5/27/05)	(4/29/06) 11/742,459 (4/30/07) 11/420,720 (5/26/06) 60/685,265 (5/27/05)	(4/29/06) (4/29/06) (11/742,459 (4/30/07) (11/420,720 (5/26/06) (5/26/06) (5/27/05)	(4/29/06) (4/29/06) (4/29/06) (11/742,459 (4/30/07) (11/420,720 (5/26/06) (5/26/06)
Pub. as	(12/7/06)	130505	WO 2006/	Pub. as		(3/12/08)	1,893,942	T. C.	Pub. as						(1/18/0/)	(1/18/07)	2007/ 0016285 (1/18/07)	Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/0016285 (1/18/07)	2007/ 0265701 (11/15/07) Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0265701 (11/15/07) Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0265701 (11/15/07) Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0265701 (11/15/07) Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0265701 (11/15/07) Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0265701 (11/15/07) Pub. as 2007/ 0016285 (1/18/07)	Pub. as 2007/ 0265701 (11/15/07) Pub. as 2007/ 0016285 (1/18/07)	

	า เ	Valve Assemblies and	Strond		
(12/6/06) 2007/	Lane	Two-Piece Prosthetic Heart	(Exam.		
11/567,735	Gurskis	Connection Systems for	N/A	US	ARB-9040
	Gurskis	Suture Management System	N/A	SU	ARB-9039
			`		
•			Pickett)		
(10/14/05)   2007/		Prosthesis	(Exam.		
<u></u>	Cambron	Packaging for Heart Valve	N/A	SU	ARB-9038
	Gurskis	Stentless Tissue Valve	N/A	US	ARB-9037
		Using Them			
		Methods for Making and			
(7/13/05)	Drews	Prosthetic Heart Valves and			
60/699,416	Gurskis	Two-Piece Percutaneous	N/A	SD	ARB-9036P
		Using Them			
(7/13/06)		Methods for Making and			
027687	Drews	Prosthetic Heart Valves and			WO
PCT/US06/	Gurskis	Two-Piece Percutaneous	N/A	WO	ARB-9036
		Using Them	,		
		Methods for Making and	EP00)		
(7/13/06)	Drews	Prosthetic Heart Valves and	(P96888		EP
06787577.3	Gurskis	Two-Piece Percutaneous	N/A	ΕP	ARB-9036
		Using Them			
		Methods for Making and	Nguyen)		
(7/13/06)   2007/	Drews	Prosthetic Heart Valves and	(Exam.		
37	Gurskis	Two-Piece Percutaneous	N/A	US	ARB-9036
		(Methods)			
	Ino	for Delivering Them			
	Fiterrer	Assemblies and Methods	,		
(4/30/07) 2007/	Nguyen-	Prosthetic Heart Valve	Erezo)		
ate)			Matter No.	,	Matter No.
Serial No.	Inventors	Title	Previous	Cntry	Vista IP

l l
Lane
Ino
Connection Systems for Two-Piece Prosthetic Heart Lane
THO
Two-Piece Prosthetic Heart   Lane
Gurskis
Two-Piece Prosthetic Heart   Lane
Gurskis
·
Ino
Two-Piece Prosthetic Heart   Lane
Gurskis
Ino
Two-Piece Prosthetic Heart   Lane
Gurskis
Inventors

Pub. as	07761540.9	Drews	Guide Shields for Multiple	N/A	EP	ARB-9044
		Hong				
		Ino	for Using Them			
(11/8/07)		Fitterer	and Apparatus and Methods			
0260305		Nguyen-	Heart Valve Assemblies	Straszheim)		
2007/	(4/30/07)	Gurskis	Component Prosthetic	(Exam.		
Pub. as	11/742,390	Drews	Guide Shields for Multiple	N/A	SU	ARB-9044
			Using Them			
	(3/10/06)		Methods for Making and			
	60/781,065	Drews	Valve Introducers and	N/A	US	ARB-9043P
(9/20/07)			(			
063743	(3/10/07)	Ino	Using Them			
WO 07/	63743	Gurskis	Methods for Making and			WO
Pub. as	PCT/US07/	Drews	Valve Introducers and	N/A	WO	ARB-9043
(8/20/09)	,		C			
529401A	(3/10/07)	Ino	Using Them			
2009-	500567	Gurskis	Methods for Making and	(P219865)		JP
Pub. as	2009-	Drews	Valve Introducers and	N/A	JP	ARB-9043
(12/10/08)			0			
1998719		Ino	Using Them	EP00)		1
EP	(3/10/07)	Gurskis	Methods for Making and	(P102867	ţ	EP
Pub. as	07758302.9	Drews	Valve Introducers and	N/A	цр	ARR-0043
(9/27/07)			Can's Inchi	MITTEL)		
0225801		Ino	Heine Them	Millow)		
2007/	(3/12/07)	Gurskis	Methods for Making and	(F.xam	Ċ	7075
Pub. as	11/685,192	Drews	Valve Introducers and	N/A	Sil	ARR-9043
	(1/27/06)		(Jack-in-the-Box)			
	60/743,185	Lane	Gasket with Spring Collar	N/A	SII	ARR-9047P
(8/2/07)						TATHER TARGE
Issue Date	(Filing Date)		1 1110	Matter No.	Cntry	Vista IP Matter No
Patent No.	Serial No.	Inventors	T:+1a	Descions		

Vista IP	Cntry	Previous	Title	Inventors	Serial No.	Patent No.
	(1111)	* 4 - 4 - 4 - 7 TO	***************************************		(Filing Date)	Issue Date
Matter No.		Matter No.	Component Prosthetic	Gurskis	(4/29/07)	EP
יין		P103560	Heart Valve Assemblies	Nguyen-		2,012,712
		EP00)	and Apparatus and Methods	Fitterer		A1
			for Using Them	Ino		(1/14/09)
				Hong		1
ARB-9044	JÞ.	N/A	Guide Shields for Multiple	Drews		Pub. as
To i		(P220428)	Component Prosthetic	Gurskis		2009-
•			Heart Valve Assemblies	Nguyen-	(4/29/07)	53512/A
			and Apparatus and Methods	Fitterer		(10/1/09)
			for Using Them	Ino		
				Hong		
ARB-9044	WO	N/A	Guide Shields for Multiple	Drews	307/	Pub as
WO			Component Prosthetic	Gurskis		WO 200//
			Heart Valve Assemblies	Nguyen-	(4/29/07)	130880
			and Apparatus and Methods	Fitterer		(11/15/07)
			for Using Them	Ino		
				Hong		
ARB-9044P	US	N/A	Guide Shields for Multiple	Drews	60/914,742	
1			Component Prosthetic	Gurskis	(4/29/07)	
			Heart Valve Assemblies	Nguyen-		
			and Apparatus and Methods	Fitterer		
			for Using Them	Ino		
				Hong		
ARB-9045	US	N/A	Apparatus and Methods for	Ino	12/115,543	Pub. as
			Delivering Fasteners	Drews	(5/5/08)	2009/
			During Valve Replacement	Gurskis		0036903
			(TRE delivery tool)	Knab		(2/5/09)
ARB-9045	US	N/A	Apparatus and Methods for	Ino	PCT/US09/	Pub. as
WO			Delivering Fasteners	Drews	42895	WO 09/

Sutures for Assembling Heart Valve Prostheses and Methods for Making and
Free-Floating Seal Packaging for Heart Valve Prostheses
Final Gasket Design (old version with procedure Appendix)
Final Gasket Design
Final Gasket Design
Final Gasket Design
Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)
Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)
During Valve Replacement (TRE delivery tool)
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Vista IP	Cntry	Previous	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARR-9049	SU	N/A	Heart Valve Prostheses and			
	į		Methods for Making Them			
			(One-Piece Laminate)			
ARB-9050	SU	N/A	Apparatus and Methods for			
			Testing Heart Valve			
			Prostheses (Pulse			
			Duplicator)			
ARB-9051	SU	N/A	Apparatus and Methods for			
			Testing Heart Valve			
<u></u>			Prostheses (Mag-Drive			
			Fatigue Tester)			
ARB-9052	SU	N/A	Apparatus and Methods for	Ino		
· · · · ·			Delivering Valve			
			Prostheses (Valve Tool and			
			Shield)			
ARB-9053	US	N/A	Tools, Systems, and	Gurskis	12/560,404	
			Methods for Remodeling		(9/15/09)	
			Tissue			
ARB-9053	WO	N/A	Tools, Systems, and	Gurskis	PCT/US09/	
WO			Methods for Remodeling		057056	
			Tissue		(9/15/09)	
ARB-9053P	US	N/A	Tools, Systems, and	Gurskis	61/097,193	
			Methods for Remodeling		(9/15/08)	
			Tissue			
ARB-9054	SU	N/A	One-Piece Valve with	Hong		
			Skeleton			

ARB-9905T US N	ARB-9904T CTM N		ARB-9904 T US N		ARB-9903T EP	(	SII TENDO		ARR-9902T CTM		Č	A Trong a a v	CIM	.99011   CIM				ARB-9901T US 1	No.	ta Matter   Cntry	-
N/A	N/A (34868)		N/A	WZ33304)	N/A	*	N/A	WZ33303)	N/A		4/2.2	N/A	(WZ33UU4)	N/A A/N	T/A			N/A	Matter Ivo.	Previous	
SecuRing	ARBOR SURGICAL TECHNOLOGIES, INC. and Design	and Design	ARBOR SURGICAL TECHNOLOGIES, INC.		TRE		TRE		MIST		H T H H H H H H H H H H H H H H H H H H	MIST		INILOGI	TBII OCV			TRILOGY		Title	7:41
	N/A		N/A		N/A		N/A		N/A			N/A		,	N/A			N/A	71/A		Inventors
	005676408 (2/9/07)		78/849,567	(6/12/06)	005129689	(12/16/05)	78/775,467	(6/12/06)	005129168	,	(12/16/05)	78/775,477		(6/12/06)	005129077		(50/01/71)	(10/1/05)	78/775 460	(Filing Date)	Serial No.
	005676408 (1/28/08)		3,459,560 (7/1/08)	(8/2/07)	05129689		•	(8/10/07)	05129168					(4/16/09)	005129077		(0/9/03)	16/0/00)	3 636 844	Issue Date	Reg. No.
WAE	WAE		WAE	1 7 7 7 7	WAE		WAE		WAE			WAE			WAE			;	WAE		Atty
Application on hold.	Registered. Renewal due 2/9/17.	7/1/14. Renewal due 7/1/18.	8/15 declaration due	due 6/12/16.	Registered. Renewal	to revive 2/28/10.	Abandoned. Deadline	due 6/12/16.	Registered. Renewal	(+4).	of Use due 4/23/10	Allowed. Statement	6/12/16.	4/16/14. Renewal due	Registered. Use by	6/9/19.	6/9/15. Renewal due	8/15 declaration due	Registered. Section		Status

PATENT REEL: 023928 FRAME: 0408

RECORDED: 02/12/2010

20