

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

OP \$1360.00 7238200

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
source=Executed-Assignment-Arbor-Medtronic#page1.tif
source=Executed-Assignment-Arbor-Medtronic#page2.tif
source=Executed-Assignment-Arbor-Medtronic#page3.tif
source=Executed-Assignment-Arbor-Medtronic#page4.tif
source=Executed-Assignment-Arbor-Medtronic#page5.tif
source=Executed-Assignment-Arbor-Medtronic#page6.tif

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

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

(2) 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.

EXHIBIT A

(20 pages)

Visa IP Matter No.	Chntry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-68604	US	68604	Bioprosthetic Heart Valve (Priority from 60/157,650)	Lane	09/678,756 (10/3/00)	6,371,983 (4/16/02)
ARB-68604 EP	EP	N/A (NAMM/P72793EP00)	Bioprosthetic Heart Valve (No US priority claim)	Lane	01992232.7 (12/27/01)	EP 1,465,554 (10/13/04)
ARB-68604 JP	JP	N/A (195460)	Bioprosthetic Heart Valve	Lane	2003-563438 (12/27/01)	4170916 (8/15/08) Also Pub. as 2005/515836A (6/2/05)
ARB-68604 WO	WO	68604	Bioprosthetic Heart Valve	Lane	PCT/US01/49618 (12/27/01)	WO 03/063740 (8/7/03)
ARB-73992	US	73992 (Exam. Gherbi)	Bioprosthetic Heart Valve (Priority from 68604 WO) (Leaflet laminate)	Lane	10/331,086 (12/26/02)	7,201,771 (4/10/07) Also Pub. as 2003/0167089
ARB-73992.1	US	N/A (Exam. Fernandez)	Bioprosthetic Heart Valve (Priority from 68604 WO) (Trefoil Crown)	Lane	11/078,673 (3/11/05)	7,422,603 (9/9/08) Also Pub. as 2005/0159811 (7/21/05)
ARB-73992.2	US	N/A (Exam. Gherbi)	Bioprosthetic Heart Valve (Priority from 68604 WO)	Lane	12/202,022 (8/29/08)	Pub. as 2008/0319543 (12/25/08)

Visita JP Matter No.	Country	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9002	US	TJF 9002 (Exam. Prebiloc)	Biologically Implantable Prosthesis and Methods of Using the Same	Fogarty Drews Holmgren Modesitt	10/327,821 (12/20/02)	Pub. as 2004/0122516 (6/24/04)
ARB-9002 CA	CA	N/A (50927-8)	Biologically Implantable Prosthesis and Methods of Using the Same	Fogarty Drews Holmgren Modesitt	2509211 (12/20/03)	
ARB-9002 EP	EP	N/A (NAMM/SJT/P79505EP00)	Biologically Implantable Prosthesis and Methods of Using the Same	Fogarty Drews Holmgren Modesitt	03800158.2 (12/20/03)	Pub. as EP 1585463 (10/19/05)
ARB-9002 JP	JP	N/A (P200257)	Biologically Implantable Prosthesis and Methods of Using the Same	Fogarty Drews Holmgren Modesitt	2004-564040 (12/20/03)	Pub. as 2006-511279A (4/6/06)
ARB-9002 WO	WO	TJF 9002-PCT	Biologically Implantable Prosthesis and Methods of Using the Same	Fogarty Drews Holmgren Modesitt	PCT/US03/41222 (12/20/03)	WO 2004/058106 (7/15/04)
ARB-9002.1	US	TJF 9002.1 (Exam. Prebiloc)	Biologically Implantable Prosthesis and Methods of Using the Same (CON of ARB-9002 (Two piece valve))	Fogarty Drews Holmgren Modesitt	10/355,429 (1/31/03)	Pub. as 2004/0122514 (6/24/04)
ARB-9002.2	US	TJF 9002.2 (Exam. Prebiloc)	Biologically Implantable Prosthesis and Methods of Using the Same (CON of ARB-9002)	Fogarty Drews Holmgren Modesitt	10/379,311 (3/3/03)	6,939,365 (9/6/05)

Vista IP Matter No.	Cntry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
			(Fixturing elements)			
ARB-9002.3	US	N/A (Exam. Preblitic)	Biologically Implantable Prosthesis and Methods of Using the Same (CON of ARB-9002) (Methods and Magnets)	Fogarty Drews Holmgren Modesitt	11/080,009 (3/14/05)	Pub. as 2005/ 0240263 (10/27/05)
ARB-9003	US	TJF 9003-US (Exam. Preblitic)	Prosthesis Fixturing Devices and Methods for Using the Same (Ratcheting connectors)	Fogarty Drews Holmgren Gutierrez	10/646,639 (8/22/03)	Pub. as 2005/ 0043760 (2/24/05)
ARB-9003 EP	EP	N/A (NAMM/SJT/P83516EP)	Prosthesis Fixturing Devices and Methods for Using the Same	Fogarty Drews Holmgren Gutierrez	04781581.6 (2/20/06)	EP 1659981 (5/31/06)
ARB-9003 JP	JP	N/A (P206576)	Prosthesis Fixturing Devices and Methods for Using the Same	Fogarty Drews Holmgren Gutierrez	2006- 524036 (8/19/04)	Pub. as 2007- 533348A (11/22/07)
ARB-9003 WO	WO	N/A	Prosthesis Fixturing Devices and Methods for Using the Same	Fogarty Drews Holmgren Gutierrez	PCT/US 2004/026922 (8/19/04)	WO 2005/ 020842 (3/10/05)
ARB-9012	US	TJF-9012 (Exam. Ryckman)	Attachment Device and Methods of Using the Same (TRE)	Drews Gurskis Baich	10/681,700 (10/8/03)	7,556,647 (7/7/09) Also Pub. as 2005/ 0080454
ARB-9012.1	US	N/A	Attachment Device and Methods of Using the Same	Drews Gurskis	12/498,195 (7/6/09)	

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

Visa IP Matter No.	Entry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9014.1	US	N/A	Heart Valve Assembly and Methods for Using Them (CON of ARB-9014)	Lane	12/574,611 (10/6/09)	0165479 (7/28/05)
ARB-9014 AU	AU	N/A	Heart Valve Assembly and Methods for Using Them (Crown-gasket connector)	Lane	2005209263 (1/24/05)	
ARB-9014 CA	CA	N/A (50927-41)	Heart Valve Assembly and Methods for Using Them (Crown-gasket connector)	Lane	2552646 (1/24/05)	
ARB-9014 EP	EP	N/A (P87086 EP00)	Heart Valve Assembly and Methods for Using Them (Crown-gasket connector)	Lane	05706046.9-2310 (1/24/05)	Pub. as EP 1,708,650 (10/11/06)
ARB-9014 JP	JP	N/A (P209061)	Heart Valve Assembly and Methods for Using Them (Crown-gasket connector)	Lane	2006-551359 (1/24/05)	Pub. as 2007-519483A (7/19/07)
ARB-9014 WO	WO	N/A	Heart Valve Assembly and Methods for Using Them (Crown-gasket connector)	Drew Gurskis Bacich	PCT/US2005/02157 (1/24/05)	WO 2005/072655 (8/11/05)
ARB-9015R	US	N/A (Exam. Prebilio)	Means and Method of Replacing a Heart Valve in a Minimally Invasive Manner (Clip Tool + Valve) (Reissue of ARB-9016)	Williamson IV et al.	10/863,862 (6/7/04)	Re 40377 (6/10/08)
ARB-	US	N/A	Means and Method of	Williamson	12/134,170	

Vista IP Matter No.	Entry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
9015R CON			Replacing a Heart Valve in a Minimally Invasive Manner (Clip Tool) (Reissue of ARB-9016)	IV et al.	(6/5/08)	
ARB-9015R DIV	US	N/A (Exam. Preblic)	Means and Method of Replacing a Heart Valve in a Minimally Invasive Manner (Methods) (Reissue of ARB-9016)	Williamson IV et al.	11/982,294 (10/31/07)	
ARB-9016	US	N/A	Means and Method of Replacing a Heart Valve in a Minimally Invasive Manner	Williamson IV et al.	09/306,448 (5/6/99)	6,402,780 (6/11/02).
ARB-9017	US	CVT-03 (copy received)	Extremely Long Wire Fasteners for Use in Minimally Invasive Surgery and Methods for Handling Those Fasteners	Williamson Spence • Keller • Robinson Ward	10/052,129 (1/17/02)	Pub. as 2002/0068949 (6/6/02)
ARB-9017.1	US	CVT-03A (Exam. Woo)	Extremely Long Wire Fasteners for Use in Minimally Invasive Surgery and Methods for Handling Those Fasteners (CON of ARB-9017)	Williamson IV Spence Keller Robinson Ward	10/786,657 (2/27/04)	Pub. as 2004/0167573 (8/26/04)
ARB-9017 CA (or ARB-9022 CA)	CA	CVT-03CA-120 (Macrae 27844)	Long Wire Fasteners for Use in Minimally Invasive Surgery and Methods	Williamson Spence Keller Robinson	2,378,971 (10/14/99)	2,378,971 (4/22/08)

Vista IP Matter No.	Country	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9017 WO	WO	CVT-03 WO	Wire Fasteners for Use in Minimally Invasive Surgery and Methods	Williamson I Spence Keller Robinson Ward	PCT/US99/21459 (10/14/99)	WO 01/10310 (2/15/01)
ARB-9018	US	N/A	Means for Replacing a Heart Valve in a Minimally Invasive Manner	Williamson IV	08/606,343 (2/23/96)	5,716,370 (02/10/98)
ARB-9019	US	N/A	A Fastener Delivery and Deployment Mechanism and Method for Placing the Fastener in Minimally Invasive Surgery	Williamson IV	08/985,355 (12/04/97)	5,891,160 (4/6/99)
ARB-9020	US	N/A	Wire Fasteners for Use in Minimally Invasive Surgery and Apparatus and Methods for Handling Those Fasteners	Williamson IV	09/026,671 (2/20/98)	5,972,004 (10/26/99)
ARB-9021	US	N/A	Means and Methods of Replacing a Heart Valve in a Minimally Invasive Manner	Williamson IV	08/802,948 (2/21/97)	6,042,607 (3/28/00)
ARB-9022	US	N/A	Extremely Long Wire Fasteners for Use in Minimally Invasive Surgery and Means and Methods for Handling Those Fasteners	Williamson IV	09/369,196 (8/6/99)	6,162,233 (12/19/00)
ARB-9023	US	N/A	Conformable Prostheses for	Lane	11/069,081	Pub. as

Vista IP Matter No.	Cnty	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
		(Exam. Ganesan)	Implanting Prosthetic Heart Valves (Conformable gasket)	Drews Gurskis	(2/28/05)	2006/ 0195184 (8/31/06)
ARB-9023 AU	AU	N/A (23887ARB/ TM:M:SP)	Conformable Prostheses for Implanting Prosthetic Heart Valves	Lane Drews Gurskis	2006218877 (2/24/06)	
ARB-9023 CA	CA	N/A (50927-73)	Conformable Prostheses for Implanting Prosthetic Heart Valves	Lane Drews Gurskis	(2/24/06)	
ARB-9023 EP	EP	N/A	Conformable Prostheses for Implanting Prosthetic Heart Valves	Lane Drews Gurskis	06721005.4 (2/24/06)	Pub. as EP 1,858,451 (11/28/07)
ARB-9023 JP	JP	N/A	Conformable Prostheses for Implanting Prosthetic Heart Valves	Lane Drews Gurskis	2007- 558074 (2/24/06)	Pub. as 2008- 531201A (8/14/08)
ARB-9023 WO	WO	N/A	Conformable Prostheses for Implanting Prosthetic Heart Valves (Combination of ARB-9023, 9024, 9029)		PCT/US06/ 06439 (2/24/06)	WO 06/ 093795 (9/8/06)
ARB-9024	US	N/A (Exam. Ganesan)	Two Piece Heart Valves and Methods for Using Them (Crown-gasket orientation)		11/069,457 (2/28/05)	Pub. as 2006/ 0195185 (8/31/06)
ARB-9025	US	N/A (Exam. Lang)	Apparatus and Methods for Delivering Fasteners	Ino Drews	11/004,445 (12/3/04)	Pub. as 2006/

Vista IP Matter No.	Cntry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
			During Valve Replacement (TRE delivery tool)	Gurskis		0122634 (6/8/06)
ARB-9025.1	US	N/A (Exam. Lang)	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)	Ino Drews Gurskis	12/022,898 (1/30/08)	Pub. as 2008/ 0119875 (5/22/08)
ARB-9025 AU	AU	N/A	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)	Ino Drews Gurskis	2005311796 (11/30/05)	
ARB-9025 CA	CA	N/A (50927-66)	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)	Ino Drews Gurskis	2587660 (11/30/05)	
ARB-9025 EP	EP	N/A (P92460EP)	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)	Ino Drews Gurskis	05852666.6 (11/30/05)	Pub as EP 1,833,381 (9/19/07)
ARB-9025 JP	JP	N/A	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)	Ino Drews Gurskis	2007- 544517 (11/30/05)	Pub. as 2008- 521571A (6/26/08)
ARB-9025 WO	WO	N/A	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)	Ino Drews Gurskis	PCT/US05/ 043503 (11/30/05)	WO 06/ 060594 (6/8/06)
ARB-9026	US	N/A (Exam. Fernandez)	Methods for Processing Biological Tissue	Cunanan Ochoa Cambron	11/032,923 (1/11/05)	Pub. as 2006/ 0154230

Confidential
Attorney/Client Privileged

Vista IP Matter No.	Entry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9026.1	US	N/A (Exam. Fernandez)	Methods for Processing Biological Tissue (DIV of ARB-9026)	Cunanan Ochoa Cambron	11/422,576 (6/6/06)	7,622,276 (11/24/09) Also Pub. as 2006/0207031
ARB-9026 CA	CA	N/A (52635-12)	Methods for Processing Biological Tissue	Cunanan Ochoa Cambron	(1/9/06)	
ARB-9026 EP	EP	N/A (SCB/MPS/P92177EP00)	Methods for Processing Biological Tissue	Cunanan Ochoa Cambron	06717879.8 (1/9/06)	Pub. as EP 1,843,659 (10/17/07)
ARB-9026.1 EP	EP	N/A	Methods for Processing Biological Tissue (DIV of ARB-9026 EP)	Cunanan Ochoa Cambron		
ARB-9026 WO	WO	N/A	Methods for Processing Biological Tissue	Cunanan Ochoa Cambron	PCT/US06/00732 (1/9/06)	WO 06/076316 (7/20/06)
ARB-9027	US	N/A	Apparatus and Methods for Testing Tissue Valve Laminates (Laminate Testing)	Bentsen Cambron		
ARB-9028	US	N/A (Exam. Sweet)	Apparatus and Methods for Making Leaflets and Valve Prostheses Including Such Leaflets (Leaflets with Holes)	Lee Lane	11/144,254 (6/3/05)	7,238,200 (7/3/07)
ARB-	US	N/A (Exam.)	Tissue Valve Leaflets and	Lee	11/743,957	

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

Vista IP Matter No.	Country	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9031.1	US	N/A (Exam. Snow)	Two-Piece Bioprosthetic Heart Valve with Snap-In Connection	Lane Lee Huang	12/419,059 (4/6/09)	Pub. as US 2009/ 0192599 (7/30/09)
ARB-9031P	US	N/A	Two-Piece Bioprosthetic Heart Valve with Snap-In Connection	Lane Lee Huang	60/669,704 (4/8/05)	
ARB-9032	US	N/A (Exam. Erez)	Foldable Prostheses, Two Piece Prosthetic Heart Valve Assemblies, and Apparatus and Methods for Delivering Them (Foldable Gaskets)	Gurskis Nguyen- Fitterer Ino	11/742,424 (4/30/07)	Pub. as 2008/ 0033543 (2/7/08)
ARB-9032 EP	EP	N/A (NAMM/SIF/ P103561 EP00)	Multiple Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Delivering Them	Gurskis Nguyen- Fitterer Ino Hong	07761540.9 (4/29/07)	Pub. as EP 2,023,860 (2/18/09)
ARB-9032 JP	JP	N/A (P220428)	Multiple Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Delivering Them	Gurskis Nguyen- Fitterer Ino Hong	2009- 508005 (4/29/07)	Pub. as 2009- 535128A (10/1/09)
ARB-9032 WO	WO	N/A	Multiple Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Delivering Them	Gurskis Nguyen- Fitterer Ino Hong	PCT/US07/ 067724 (4/29/07)	Pub. as WO 2007/ 067724 (11/15/07)

Visita IP Matter No.	Country	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9032P	US	N/A	Foldable Prostheses, Two Piece Prosthetic Heart Valve Assemblies, and Apparatus and Methods for Delivering Them	Gurskis Nguyen-Fitterer Ino Hong	60/746,038 (4/29/06)	
ARB-9033	US	N/A (Exam. Erezzo)	Multiple Component Prosthetic Heart Valve Assemblies and Apparatus for Delivering Them (Guide Rail/Valve Holder)	Gurskis Nguyen-Fitterer Ino Hong	11/742,459 (4/30/07)	Pub. as 2007/ 0265701 (11/15/07)
ARB-9034	US	N/A (Exam. Miller)	Gasket with Collar for Prosthetic Heart Valves and Methods for Using Them (Incl. ARB-9034P and 9041P)	Lane Drews Gurskis	11/420,720 (5/26/06)	Pub. as 2007/ 0016285 (1/18/07)
ARB-9034P	US	N/A	Two-Piece Mechanical Valve with Conformable Gasket	Lane Drews Gurskis	60/685,265 (5/27/05)	
ARB-9034 EP	EP	N/A (P96642 EP00)	Gasket with Collar for Prosthetic Heart Valves and Methods for Using Them (Incl. ARB-9034P and 9041P)	Lane Drews Gurskis	06771363.6 (5/26/06)	Pub. as EP 1,895,942 (3/12/08)
ARB-9034 WO	WO	N/A	Gasket with Collar for Prosthetic Heart Valves and Methods for Using Them (Incl. ARB-9034P and 9041P)	Lane Drews Gurskis	PCT/US06/ 20554 (5/26/06)	Pub. as WO 2006/ 130505 (12/7/06)
ARB-9035	US	N/A (Exam.)	Multiple Component	Gurskis	11/742,481	Pub. as

Vista IP Matter No.	Country	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
		Erezo)	Prosthetic Heart Valve Assemblies and Methods for Delivering Them (Methods)	Nguyen-Fiterrer Ino	(4/30/07)	2007/ 0288089 (12/13/07)
ARB-9036	US	N/A (Exam. Nguyen)	Two-Piece Percutaneous Prosthetic Heart Valves and Methods for Making and Using Them	Gurskis Drews	11/457,437 (7/13/06)	Pub. as 2007/ 0016288 (1/18/07)
ARB-9036 EP	EP	N/A (P96888 EP00)	Two-Piece Percutaneous Prosthetic Heart Valves and Methods for Making and Using Them	Gurskis Drews	06787577.3 (7/13/06)	Pub. as EP 1,919,397 (5/14/08)
ARB-9036 WO	WO	N/A	Two-Piece Percutaneous Prosthetic Heart Valves and Methods for Making and Using Them	Gurskis Drews	PCT/US06/ 027687 (7/13/06)	Pub. as WO 2007/ 009117 (1/18/07)
ARB-9036P	US	N/A	Two-Piece Percutaneous Prosthetic Heart Valves and Methods for Making and Using Them	Gurskis Drews	60/699,416 (7/13/05)	
ARB-9037	US	N/A	Stentless Tissue Valve	Gurskis		
ARB-9038	US	N/A (Exam. Pickett)	Packaging for Heart Valve Prosthesis	Cambron	11/250,501 (10/14/05)	Pub. as 2007/ 0095698 (5/3/07)
ARB-9039	US	N/A	Suture Management System	Gurskis		
ARB-9040	US	N/A (Exam. Stroud)	Connection Systems for Two-Piece Prosthetic Heart Valve Assemblies and	Gurskis Lane Ino	11/567,735 (12/6/06)	Pub. as 2007/ 0015053

Vista IP Matter No.	Crtry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9040 CA	CA	N/A	Methods for Using Them (Seatbelt Connectors) Connection Systems for Two-Piece Prosthetic Heart Valve Assemblies (Seatbelt Connectors)	Gurskis Lane Ino	(12/6/06)	(6/28/07)
ARB-9040 EP	EP	N/A (P99329 EP00)	Connection Systems for Two-Piece Prosthetic Heart Valve Assemblies (Seatbelt Connectors)	Gurskis Lane Ino	06840136.3 (12/6/06)	Pub. as EP 1,959,864 (8/27/08)
ARB-9040 JP	JP	N/A	Connection Systems for Two-Piece Prosthetic Heart Valve Assemblies (Seatbelt Connectors)	Gurskis Lane Ino	2008-544649 (12/6/06)	Pub. as 2009-518152A (5/7/09)
ARB-9040 WO	WO	N/A	Connection Systems for Two-Piece Prosthetic Heart Valve Assemblies (Seatbelt Connectors)	Gurskis Lane Ino	PCT/US06/061715 (12/6/06)	Pub. as WO 2007/067942 (6/14/07)
ARB-9040P US	US	N/A	Connection Systems for Two-Piece Prosthetic Heart Valve Assemblies and Methods for Using Them (Seatbelt Connectors)	Gurskis Lane Ino	60/748,639 (12/7/05)	
ARB-9041P US	US	N/A	One-Piece Upsized Valve	Lane Drews Gurskis	60/748,640 (12/7/05)	
ARB-9042 US	US	N/A (Exam. Gherbi)	Gasket with Spring Collar (Jack-in-the-Box)	Lane	11/668,459 (1/29/07)	Pub. as 2007/0179604

Vista IP Matter No.	Country	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9042P	US	N/A	Gasket with Spring Collar (Jack-in-the-Box)	Lane	60/743,185 (1/27/06)	(8/2/07)
ARB-9043	US	N/A (Exam. Miller)	Valve Introducers and Methods for Making and Using Them	Drews Gurskis Ino	11/685,192 (3/12/07)	Pub. as 2007/ 0225801 (9/27/07)
ARB-9043 EP	EP	N/A (P102867 EP00)	Valve Introducers and Methods for Making and Using Them	Drews Gurskis Ino	07758302.9 (3/10/07)	Pub. as EP 1998719 (12/10/08)
ARB-9043 JP	JP	N/A (P219865)	Valve Introducers and Methods for Making and Using Them	Drews Gurskis Ino	2009-500567 (3/10/07)	Pub. as 2009-529401A (8/20/09)
ARB-9043 WO	WO	N/A	Valve Introducers and Methods for Making and Using Them	Drews Gurskis Ino	PCT/US07/63743 (3/10/07)	Pub. as WO 07/063743 (9/20/07)
ARB-9043P	US	N/A	Valve Introducers and Methods for Making and Using Them	Drews	60/781,065 (3/10/06)	
ARB-9044	US	N/A (Exam. Strasheim)	Guide Shields for Multiple Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Using Them	Drews Gurskis Nguyen-Fiterer Ino Hong	11/742,390 (4/30/07)	Pub. as 2007/ 0260305 (11/8/07)
ARB-9044	EP	N/A	Guide Shields for Multiple	Drews	07761540.9	Pub. as

Vista IP Matter No.	Cntry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
EP		(NAMM/SJF/P103560 EP00)	Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Using Them	Gurskis Nguyen-Fitterer Ino Hong	(4/29/07)	EP 2,012,712 A1 (1/14/09)
ARB-9044 JP	JP	N/A (P220428)	Guide Shields for Multiple Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Using Them	Drews Gurskis Nguyen-Fitterer Ino Hong	2009-508004 (4/29/07)	Pub. as 2009-535127A (10/1/09)
ARB-9044 WO	WO	N/A	Guide Shields for Multiple Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Using Them	Drews Gurskis Nguyen-Fitterer Ino Hong	PCT/US07/067723 (4/29/07)	Pub as WO 2007/130880 (11/15/07)
ARB-9044P	US	N/A	Guide Shields for Multiple Component Prosthetic Heart Valve Assemblies and Apparatus and Methods for Using Them	Drews Gurskis Nguyen-Fitterer Ino Hong	60/914,742 (4/29/07)	
ARB-9045	US	N/A	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRE delivery tool)	Ino Drews Gurskis Knab	12/115,543 (5/5/08)	Pub. as 2009/0036903 (2/5/09)
ARB-9045 WO	US	N/A	Apparatus and Methods for Delivering Fasteners	Ino Drews	PCT/US09/42895	Pub. as WO 09/

Visia IP Matter No.	Cntry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9045 WO (old)	US	N/A	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRF delivery tool)	Ino Drows Gurskis Knab	PCT/US08/62718 62719 (5/6/08)	137517 (11/12/09)
ARB-9045P	US	N/A	Apparatus and Methods for Delivering Fasteners During Valve Replacement (TRF delivery tool)	Ino Drows Gurskis Knab	60/916,283 (5/5/07)	
ARB-9046	US	N/A	Final Gasket Design	Lane	12/477,861 (6/3/09)	2009/ 0319038 (12/24/09)
ARB-9046 WO	WO	N/A	Final Gasket Design	Lane	PCT/US09/ 046178 (6/3/09)	Pub. as WO 2009/ 149215 (12/10/09)
ARB-9046P	US	N/A	Final Gasket Design	Lane	61/059,252 (6/5/08)	
ARB-9046P (OLD)	US	N/A	Final Gasket Design (old version with procedure Appendix)	Lane	61/054,006 (5/16/08)	
ARB-9047	US	N/A	Free-Floating Seal Packaging for Heart Valve Prostheses			
ARB-9048	US	N/A	Sutures for Assembling Heart Valve Prostheses and Methods for Making and Using Them			

Vista IP Matter No.	Chtry	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Patent No. Issue Date
ARB-9049	US	N/A	Heart Valve Prostheses and Methods for Making Them (One-Piece Laminate)			
ARB-9050	US	N/A	Apparatus and Methods for Testing Heart Valve Prostheses (Pulse Duplicate)			
ARB-9051	US	N/A	Apparatus and Methods for Testing Heart Valve Prostheses (Mag-Drive Fatigue Tester)			
ARB-9052	US	N/A	Apparatus and Methods for Delivering Valve Prostheses (Valve Tool and Shield)	Ino		
ARB-9053	US	N/A	Tools, Systems, and Methods for Remodeling Tissue	Gurskis	12/560,404 (9/15/09)	
ARB-9053 WO	WO	N/A	Tools, Systems, and Methods for Remodeling Tissue	Gurskis	PCT/US09/ 057056 (9/15/09)	
ARB-9053P	US	N/A	Tools, Systems, and Methods for Remodeling Tissue	Gurskis	61/097,193 (9/15/08)	
ARB-9054	US	N/A	One-Piece Valve with Skeleton	Hong		

Vista Matter No.	Country	Previous Matter No.	Title	Inventors	Serial No. (Filing Date)	Reg. No. Issue Date	Atty	Status
ARB-9901T	US	N/A	TRILOGY	N/A	78/775,460 (12/16/05)	3,636,844 (6/9/09)	WAE	Registered. Section 8/15 declaration due 6/9/15. Renewal due 6/9/19.
ARB-9901T CTM	CTM	N/A (WZ33004)	TRILOGY	N/A	005129077 (6/12/06)	005129077 (4/16/09)	WAE	Registered. Use by 4/16/14. Renewal due 6/12/16.
ARB-9902T	US	N/A	MIST	N/A	78/775,477 (12/16/05)		WAE	Allowed. Statement of Use due 4/23/10 (+4).
ARB-9902T CTM	CTM	N/A (WZ33303)	MIST	N/A	005129168 (6/12/06)	05129168 (8/10/07)	WAE	Registered. Renewal due 6/12/16.
ARB-9903T	US	N/A	TRE	N/A	78/775,467 (12/16/05)		WAE	Abandoned. Deadline to revive 2/28/10.
ARB-9903T CTM	EP	N/A (WZ33304)	TRE	N/A	005129689 (6/12/06)	05129689 (8/2/07)	WAE	Registered. Renewal due 6/12/16.
ARB-9904 T	US	N/A	ARBOR SURGICAL TECHNOLOGIES, INC. and Design	N/A	78/849,567 (3/29/06)	3,459,560 (7/1/08)	WAE	Registered. Section 8/15 declaration due 7/1/14. Renewal due 7/1/18.
ARB-9904T CTM	CTM	N/A (34868)	ARBOR SURGICAL TECHNOLOGIES, INC. and Design	N/A	005676408 (2/9/07)	005676408 (1/28/08)	WAE	Registered. Renewal due 2/9/17.
ARB-9905T	US	N/A	SecuRing				WAE	Application on hold.

PATENT