PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7332719

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARROW INTERNATIONAL LLC	12/10/2021

RECEIVING PARTY DATA

Name:	TELEFLEX LIFE SCIENCES LIMITED
Street Address:	171, OLD BAKERY STREET
City:	VALLETTA
State/Country:	MALTA
Postal Code:	VLT 1455

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17745455

CORRESPONDENCE DATA

Fax Number: (763)656-4288

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 763-656-4328
Email: USMIN-ip@teleflex.com
Correspondent Name: ARROW INTERNATIONAL LLC, TELEFLEX INCORPORATED
Address Line 1: C/O INTELLECTUAL PROPERTY DEPARTMENT
Address Line 2: 6464 SYCAMORE COURT NORTH
Address Line 4: MINNEAPOLIS, MINNESOTA 55369

ATTORNEY DOCKET NUMBER:	EMI-0011-US04
NAME OF SUBMITTER:	JULIE WANG
SIGNATURE:	/Julie Wang/
DATE SIGNED:	05/16/2022

Total Attachments: 92
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page1.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page2.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page3.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page4.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page5.tif

source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page6.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page7.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page8.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page9.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page10.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page11.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page12.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page13.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page14.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page15.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page16.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page17.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page18.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page19.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page20.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page21.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page22.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page23.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page24.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page25.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page26.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page27.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page28.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page29.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page30.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page31.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page32.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page33.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page34.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page35.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page36.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page37.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page38.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page39.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page40.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page41.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page42.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page43.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page44.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page45.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page46.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page47.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page48.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page49.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page50.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page51.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page52.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page53.tif

source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page54.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page55.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page56.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page57.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page58.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page59.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page60.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page61.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page62.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page63.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page64.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page65.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page66.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page67.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page68.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page69.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page70.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page71.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page72.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page73.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page74.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page75.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page76.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page77.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page78.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page79.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page80.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page81.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page82.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page83.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page84.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page85.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page86.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page87.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page88.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page89.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page90.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page91.tif
source=EMI0011US04-Assignment4of4-ArrowLLC-TLSL#page92.tif

RECORDABLE INTELLECTUAL PROPERTY ASSIGNMENT

THIS RECORDABLE INTELLECTUAL PROPERTY ASSIGNMENT is entered into on December 10, 2021 with effect as of December 10, 2021 (the "**Effective Date**") (the "**Assignment**") and made

BETWEEN

(1) **ARROW INTERNATIONAL LLC**, a Delaware limited liability company having its principal place of business at 3015 Carrington Mill Boulevard, Morrisville, NC 27560, United States of America, and registered with the Delaware Secretary of State under file number 7915458 (the **"Assignor**"); and

(2) **TELEFLEX LIFE SCIENCES LIMITED**, a limited liability company duly incorporated and validly existing under the laws of Malta, having its registered office at 171, Old Bakery Street, Valletta VLT 1455, Malta, registered with the Malta Business Registry under number C94305 (the "**Assignee**").

each a "**Party**" and together the "**Parties**."

WHEREAS

A. The Assignor has ultimately assigned the Intellectual Property Rights (as defined below) to the Assignee on the Effective Date of this Assignment through the below series of intermediate assignments, listed below to memorialize the complete chain and transfer-of-title:

1. Arrow International LLC assigned to TFX Equities Incorporated by the Asset Transfer Agreement effective December 10, 2021;
2. TFX Equities Incorporated assigned to Teleflex Medical Devices S.A R.L., a private limited liability company (société à responsabilité limitée) formed and existing under the laws of Grand Duchy of Luxembourg, having its registered office at 26, boulevard de Kockelscheuer, L-1821 Luxembourg, Grand Duchy of Luxembourg and registered with the Luxembourg Register of Commerce and Companies under number B185177, by the Asset Transfer Agreement effective December 10, 2021; and
3. Teleflex Medical Devices S.A R.L. assigned to Teleflex Life Sciences Limited by the Asset Transfer Agreement effective December 10, 2021.

B. For the avoidance of doubt, each of the intermediate assignments in A. above assigns all rights, title, and interest in and to all of the Intellectual Property Rights (as defined below) under the same terms as listed herein and in the respective Asset Transfer Agreements.

C. In this context, the Parties have agreed to enter into this Assignment.

NOW IT IS HEREBY AGREED as follows:

1. The definitions and rules of interpretation in this clause apply to this Assignment:

Intellectual Property Rights means the registered trademarks, granted patents, and applications set out in Schedule 1.

2. The Assignor hereby confirms the assignment to the Assignee of all its rights, title and interest with respect to the Intellectual Property Rights.

3. The transfer and assignment confirmed at clause 2 shall include, without limitation: (a) all such rights, title and interest, rights of action, powers and benefits arising or accruing from ownership of the Intellectual Property Rights, including without limitation all rights to bring any proceedings and obtain any remedy in respect of any infringement of the Intellectual Property Rights, irrespective of when

such infringement occurred or occurs; (b) the absolute entitlement to any registrations granted pursuant to any of the applications comprised in the Intellectual Property Rights which includes the right to sue and collect for past damages; (c) all rights to claim priority (where applicable); (d) all rights to any continuations, continuations in part, divisions, extensions, amendments, conversions, re-issues, re-examinations, renewals or restorations of and/or registrations granted in respect of the Intellectual Property Rights; (e) all statutory and common law rights attaching to the Intellectual Property Rights and the goodwill and reputation of the Assignor relating to the Intellectual Property Rights; and (f) all other such rights, title and interest as the Assignor has in the Intellectual Property Rights for the full term thereof.

4. If any provision or part-provision of this Assignment is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of this Assignment.

5. This Assignment and any non-contractual obligations arising out of or in connection with it shall be governed by and construed in accordance with the laws of Delaware.

6. No variation of this Assignment shall be effective unless it is in writing and signed by the Parties (or their authorised representatives).

7. The Parties irrevocably agree that the courts of Delaware are to have exclusive jurisdiction to settle any disputes which may arise out of or in connection with this Assignment and that, accordingly, any legal action or proceedings arising out of or in connection with this Assignment may be brought before the Delaware courts.

8. This Assignment may be executed in any number of counterparts and by the Parties on separate counterparts, each of which so executed and delivered will be an original, but all counterparts will together constitute one and the same instrument.

9. This Assignment shall be binding on, and inure to the benefit of, the Parties to this Assignment and their respective personal representatives, successors and permitted assigns, and references to any Party shall include that Party's personal representatives, successors and permitted assigns.

[Signature page to follow]

IN WITNESS whereof this Assignment has been duly executed, effective as of the Effective Date.

SIGNED on behalf of
ARROW INTERNATIONAL LLC

Name: Matthew Howald
Title: Manager

SIGNED on behalf of
TFX EQUITIES INCORPORATED

Name: Neil Daniels
Title: President

SIGNED on behalf of
TELEFLEX MEDICAL DEVICES S.A R.L.

Name: Luc Sunnen
Title: Category "B" Manager and authorized signatory

SIGNED for and on behalf of
TELEFLEX LIFE SCIENCES LIMITED

Name: Matthew James
Title: "A" Director

IN WITNESS whereof this Assignment has been duly executed, effective as of the Effective Date.

SIGNED on behalf of
ARROW INTERNATIONAL LLC

Name: Matthew Howald
Title: Manager

SIGNED on behalf of
TFX EQUITIES INCORPORATED

Name: Neil Daniels
Title: President

SIGNED on behalf of
TELEFLEX MEDICAL DEVICES S.A R.L.

Name: Luc Sunnen
Title: Category "B" Manager and authorized signatory

SIGNED for and on behalf of
TELEFLEX LIFE SCIENCES LIMITED

Name: Matthew James
Title: "A" Director

IN WITNESS whereof this Assignment has been duly executed, effective as of the Effective Date.

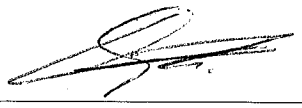
SIGNED on behalf of
ARROW INTERNATIONAL LLC

Name: Matthew Howald
Title: Manager

SIGNED on behalf of
TFX EQUITIES INCORPORATED

Name: Neil Daniels
Title: President

SIGNED on behalf of
TELEFLEX MEDICAL DEVICES S.A R.L.



Name: Luc Sunnen
Title: Category "B" Manager and authorized signatory

SIGNED for and on behalf of
TELEFLEX LIFE SCIENCES LIMITED

Name: Matthew James
Title: "A" Director

IN WITNESS whereof this Assignment has been duly executed, effective as of the Effective Date.

SIGNED on behalf of
ARROW INTERNATIONAL LLC

Name: Matthew Howald
Title: Manager

SIGNED on behalf of
TFX EQUITIES INCORPORATED

Name: Neil Daniels
Title: President

SIGNED on behalf of
TELEFLEX MEDICAL DEVICES S.A R.L.

Name: Luc Sunnen
Title: Category "B" Manager and authorized signatory

SIGNED for and on behalf of
TELEFLEX LIFE SCIENCES LIMITED

M James

Name: Matthew James
Title: "A" Director

SCHEDULE 1

Patents and Patent Applications

See attached Schedule 1 Part A

Trademarks and Trademark Applications

See attached Schedule 1 Part B

SCHEDULE 1

PART A – PATENTS AND PATENT APPLICATIONS

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0001-EP01	Published	EP	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	11793097.4	6/8/2011		
EMI-0001-US01	Issued	U.S.	DEPLOYMENT INSTRUMENT FOR CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	13/111,653	5/19/2011	8870917	10/28/2014
EMI-0001-US02	Issued	U.S.	DEPLOYMENT INSTRUMENT FOR CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	14/491,362	9/19/2014	9839417	12/12/2017
EMI-0001-US03	Issued	U.S.	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	13/025,593	2/11/2011	8685059	4/1/2014
EMI-0001-US04	Issued	U.S.	DEPLOYMENT INSTRUMENT FOR CLOSURE DEVICE FOR	15/813,831	11/15/2017	10835224	11/17/2020

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
			PERCUTANEOUSLY SEALING PUNCTURES				
EMI-0001-USPR	Expired	U.S.	CLOSURE DEVICE	61/352,807	6/8/2010		
EMI-0001-WO01	Expired	PCT	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	PCT/US11/39645	6/8/2011		
EMI-0002-CHEP	Issued	Switzerland	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-DEEP	Issued	Germany	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-DEEP2	Issued	Germany	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-DEEP3	Issued	Germany	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-EP01	Issued	EP	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0002-EP02	Issued	EP	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-EP03	Issued	EP	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-EP04	Published	EP	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012		
EMI-0002-FREP	Issued	France	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-FREP2	Issued	France	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-GBEP	Issued	United Kingdom	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-GBEP2	Issued	United Kingdom	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0002-GBEP3	Issued	United Kingdom	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-HKEP4	Pending	Hong Kong	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	42021040828.2	10/25/2012		
EMI-0002-IEEP2	Issued	Ireland	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-NLEP	Issued	Netherlands	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-NLEP3	Issued	Netherlands	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-SEEP2	Issued	Sweden	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-US01	Issued	U.S.	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	13/605,720	9/6/2012	10485524	11/26/2019

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0002-US02	Issued	U.S.	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUS PUNCTURES	14/569,291	12/12/2014	10383611	8/20/2019
EMI-0002-US03	Published	U.S.	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUS PUNCTURES	16/509,759	7/12/2019		
EMI-0002-USPR	Expired	U.S.	LARGE BORE VASCULAR SEALING DEVICE AND METHOD	61/551,251	10/25/2011		
EMI-0002-USPR2	Expired	U.S.	GUIDEWIRE THROUGH TOGGLE	61/621,409	4/6/2012		
EMI-0002-WO01	Expired	PCT	SURGICALLY CLOSING PERCUTANEOUSLY PUNCTURES	PCT/US12/61855	10/25/2012		
EMI-0003-US01	Issued	U.S.	MULTI-LUMEN TAMPER TUBE	13/946,398	7/19/2013	9757104	9/12/2017
EMI-0003-US02	Issued	U.S.	MULTI-LUMEN TAMPER TUBE	15/675,115	8/11/2017	10390810	8/27/2019
EMI-0003-US03	Issued	U.S.	MULTI-LUMEN TAMPER TUBE	16/522,161	7/25/2019	11123053	9/21/2021

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0003-US04	Pending	U.S.	MULTI-LUMEN TAMPER TUBE	17/476,877	9/16/2021		
EMI-0003-USPR	Expired	U.S.	MULTI-LUMEN TAMPER TUBE	61/673,570	7/19/2012		
EMI-0004-US01	Issued	U.S.	VASCULAR LOCATING SYSTEMS AND METHODS OF USE	14/063,522	10/25/2013	9554785	1/31/2017
EMI-0004-US02	Issued	U.S.	VASCULAR LOCATING SYSTEMS AND METHODS OF USE	15/385,656	12/20/2016	10182804	1/22/2019
EMI-0004-US03	Issued	U.S.	VASCULAR LOCATING SYSTEMS AND METHODS OF USE	16/245,906	1/11/2019	10835225	11/17/2020
EMI-0004-US04	Published	U.S.	VASCULAR LOCATING SYSTEMS AND METHODS OF USE	17/085,901	10/30/2020		
EMI-0004-USPR	Expired	U.S.	RADIOPAQUE PUNCTURE LOCATION	61/745,006	12/21/2012		
EMI-0004-USPR2	Expired	U.S.	VASCULAR LOCATING SYSTEM	61/846,217	7/15/2013		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0005-US01	Published	U.S.	VASCULAR CLOSURE SYSTEM TOGGLE PLACEMENT	14/086,418	11/21/2013		
EMI-0005-USPR	Expired	U.S.	VASCULAR CLOSURE SYSTEM TOGGLE PLACEMENT	61/752,115	1/14/2013		
EMI-0006-US01	Issued	U.S.	VASCULAR CLOSURE DEVICE WITH CONFORMING PLUG MEMBER	14/274,466	5/9/2014	10154835	12/18/2018
EMI-0006-USPR	Expired	U.S.	VASCULAR CLOSURE DEVICE WITH C-BEAM SEALING PAD	61/821,478	5/9/2013		
EMI-0007-US01	Issued	U.S.	VASCULAR CLOSURE DEVICES AND METHODS OF USE	14/777,090	9/15/2015	10639019	5/5/2020
EMI-0007-US02	Published	U.S.	VASCULAR CLOSURE DEVICES AND METHODS OF USE	16/835,524	3/31/2020		
EMI-0007-USPR	Expired	U.S.	VASCULAR CLOSURE DEVICES AND METHODS OF USE	61/794,776	3/15/2013		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0007-WO01	Expired	PCT	VASCULAR CLOSURE DEVICES AND METHODS OF USE	PCT/US14/22416	3/10/2014		
EMI-0008-CN01	Issued	China	VASCULAR CLOSURE SYSTEM WITH INTRODUCER FOR SHEATH TRANSFER	201780017147.3	1/13/2017	CN109069139B	4/20/2021
EMI-0008-EP01	Published	EP	VASCULAR CLOSURE SYSTEM WITH INTRODUCER FOR SHEATH TRANSFER	17703510.2	1/13/2017		
EMI-0008-US01	Published	U.S.	VASCULAR CLOSURE SYSTEM WITH INTRODUCER FOR SHEATH TRANSFER	16/077,525	8/13/2018		
EMI-0008-USPR	Expired	U.S.	VASCULAR CLOSURE SYSTEM WITH INTRODUCER FOR SHEATH TRANSFER	62/278,298	1/13/2016		
EMI-0008-WO01	Expired	PCT	VASCULAR CLOSURE SYSTEM WITH INTRODUCER FOR SHEATH TRANSFER	PCT/US17/13314	1/13/2017		
EMI-0009-EP01	Published	EP	RELEASABLE ELONGATED ASSEMBLY	17723889.6	5/5/2017		
EMI-0009-US01	Issued	U.S.	RELEASABLE ELONGATED ASSEMBLY	16/098,578	11/2/2018	10905414	2/2/2021

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0009-US02	Published	U.S.	RELEASABLE ELONGATED ASSEMBLY	17/135,147	12/28/2020		
EMI-0009-USPR	Expired	U.S.	RELEASABLE ELONGATED ASSEMBLY	62/332,347	5/5/2016		
EMI-0009-WO01	Expired	PCT	RELEASABLE ELONGATED ASSEMBLY	PCT/US17/31268	5/5/2017		
EMI-0010-CN01	Issued	China	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	201780049584.3	8/8/2017	ZL 201780049584.3	5/28/2021
EMI-0010-CN02	Published	China	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	202110504297.5	8/8/2017		
EMI-0010-DEEP	Issued	Germany	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	3490461	8/8/2017	3490461	12/25/2019
EMI-0010-DEEP2	Issued	Germany	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	3659523	8/8/2017	602017041496.4	6/30/2021
EMI-0010-EP01	Issued	EP	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	17754921.9	8/8/2017	3490461	12/25/2019

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0010-EP02	Issued	EP	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	19209274.0	8/8/2017	3659523	6/30/2021
EMI-0010-EP03	Published	EP	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	21173777.0	8/8/2017		
EMI-0010-FREP	Issued	France	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	3490461	8/8/2017	3490461	12/25/2019
EMI-0010-GBEP	Issued	United Kingdom	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	3490461	8/8/2017	3490461	12/25/2019
EMI-0010-GBEP2	Issued	United Kingdom	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	3659523	8/8/2017	3659523	6/30/2021
EMI-0010-IEEP	Issued	Ireland	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	3490461	8/8/2017	3490461	12/25/2019
EMI-0010-JP01	Issued	Japan	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	2019-518273	8/8/2017	6621966	11/29/2019

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0010-JP02	Issued	Japan	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	2019-209543	8/8/2017	6874098	4/23/2021
EMI-0010-JP03	Published	Japan	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	2021-071594	8/8/2017		
EMI-0010-SEEP	Issued	Sweden	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	3490461	8/8/2017	3490461	12/25/2019
EMI-0010-US01	Issued	U.S.	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	16/324,333	2/8/2019	10682128	6/16/2020
EMI-0010-USPR	Expired	U.S.	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	62/374,177	8/12/2016		
EMI-0010-WO01	Expired	PCT	VASCULAR CLOSURE DEVICE WITH LOCKING ASSEMBLY FOR A TAMPER	PCT/US17/45885	8/8/2017		
EMI-0011-DEEP	Issued	Germany	VASCULAR CLOSURE DEVICE	3086716	12/5/2014	602014076420.7	4/7/2021
EMI-0011-EP01	Issued	EP	VASCULAR CLOSURE DEVICE	14824199.5	12/5/2014	3086716	4/7/2021

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0011-EP02	Published	EP	VASCULAR CLOSURE DEVICE	21163623.8	12/5/2014		
EMI-0011-ESEP	Issued	Spain	VASCULAR CLOSURE DEVICE	3086716	12/5/2014	3086716	4/7/2021
EMI-0011-FREP	Issued	France	VASCULAR CLOSURE DEVICE	3086716	12/5/2014	3086716	4/7/2021
EMI-0011-GBEP	Issued	United Kingdom	VASCULAR CLOSURE DEVICE	3086716	12/5/2014	3086716	4/7/2021
EMI-0011-ITEP	Issued	Italy	VASCULAR CLOSURE DEVICE	3086716	12/5/2014	502021000049598	4/7/2021
EMI-0011-NLEP	Issued	Netherlands	VASCULAR CLOSURE DEVICE	3086716	12/5/2014	3086716	4/7/2021
EMI-0011-US01	Issued	U.S.	VASCULAR CLOSURE DEVICE	15/105,180	6/16/2016	10448937	10/22/2019
EMI-0011-US02	Published	U.S.	VASCULAR CLOSURE DEVICE	16/568,588	9/12/2019		
EMI-0011-US03	Abandoned	U.S.	VASCULAR CLOSURE DEVICE	16/568,411	9/12/2019		
EMI-0011-USPR	Expired	U.S.	VASCULAR CLOSURE DEVICE	61/920,207	12/23/2013		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0011-WO01	Expired	PCT	VASCULAR CLOSURE DEVICE	PCT/US14/68694	12/5/2014		
EMI-0012-US01	Issued	U.S.	VASCULAR CLOSURE DEVICE WITH REMOVABLE GUIDE MEMBER	15/192,632	6/24/2016	10555727	2/11/2020
EMI-0012-US02	Published	U.S.	VASCULAR CLOSURE DEVICE WITH REMOVABLE GUIDE MEMBER	16/742,854	1/14/2020		
EMI-0012-US03	Abandoned	U.S.	VASCULAR CLOSURE DEVICE WITH REMOVABLE GUIDE MEMBER	16/742,445	1/14/2020		
EMI-0012-USPR	Expired	U.S.	VASCULAR CLOSURE DEVICE WITH REMOVABLE GUIDE MEMBER	62/185,415	6/26/2015		
EMI-0013-EP01	Pending	EP	PUNCTURE LOCATING SYSTEM WITH BLOOD PULSATION INDICATOR	20709029.1	2/4/2020		
EMI-0013-US01	Published	U.S.	PUNCTURE LOCATING SYSTEM WITH BLOOD PULSATION INDICATOR	16/279,577	2/19/2019		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0013-WO01	Expired	PCT	PUNCTURE LOCATING SYSTEM WITH BLOOD PULSATION INDICATOR	PCT/US20/16492	2/4/2020		
EMI-0019-US01	Pending	U.S.	ACCESS SHEATH WITH VALVE ASSEMBLY	16/944,778	7/31/2020		
EMI-0019-WO01	Pending	PCT	ACCESS SHEATH WITH VALVE ASSEMBLY	PCT/US21/41730	7/15/2021		
EMI-0020-US01	Published	U.S.	VESSEL LINING DEVICE AND RELATED METHODS	16/807,781	3/3/2020		
EMI-0020-WO01	Published	PCT	VESSEL LINING DEVICE AND RELATED METHODS	PCT/US21/19761	2/26/2021		
EMI-0021-US01	Pending	U.S.	WIRE ASSEMBLIES AND METHODS FOR OCCLUSION	17/524,060	11/11/2021		
EMI-0021-USPR	Pending	U.S.	WIRE ASSEMBLIES AND METHODS FOR OCCLUSION	63/113,427	11/13/2020		
EMI-0021-WO01	Pending	PCT	WIRE ASSEMBLIES AND METHODS FOR OCCLUSION	PCT/US21/58905	11/11/2021		
EMI-0022-USPR	Pending	U.S.	CONCENTRIC CORE PUNCTURE LOCATING SYSTEM	63/187,627	5/12/2021		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0023-USPR	Pending	U.S.	DEPTH GAUGE SYSTEM	63/245,315	9/17/2021		
EMI-0024-USPR	Pending	U.S.	AORTIC CLOSURE SYSTEM AND RELATED METHODS	63/154,120	2/26/2021		
044869.023604	Granted	Canada	Adaptive Real Time ECG Triggering and Uses Thereof	2635746	12/6/2006	2635746	1/10/2017
044869.023608	Granted	France	Adaptive Real Time ECG Triggering and Uses Thereof	06844852.1	12/6/2006	1971259	2/15/2017
044869.023607	Granted	Germany	Adaptive Real Time ECG Triggering and Uses Thereof	06844852.1	12/6/2006	1971259	2/15/2017
044869.023606	Inactive	Hong Kong	Adaptive Real Time ECG Triggering and Uses Thereof	09101369.2	12/6/2006		
044869.023609	Granted	Italy	Adaptive Real Time ECG Triggering and Uses Thereof	06844852.1	12/6/2006	1971259	2/15/2017
044869.023605	Granted	Japan	Adaptive Real Time ECG Triggering and Uses Thereof	2008-550312	12/6/2006	5372521	9/27/2013
040792.023601	Inactive	PCT	Adaptive Real Time ECG Triggering and Uses Thereof	PCT/US06/46441	12/6/2006		
040792.023600	Inactive	U.S.	ADAPTIVE REAL TIME ECG TRIGGERING AND USES THEREOF	60/758,962	1/12/2006		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044869.023602	Granted	U.S.	Adaptive Real Time ECG Triggering and Uses Thereof	11/634,687	12/6/2006	8,204,582	6/19/2012
044869.023610	Granted	United Kingdom	Adaptive Real Time ECG Triggering and Uses Thereof	06844852.1	12/6/2006	1971259	2/15/2017
040792.023703	Inactive	EP	Anti-Infective Alcohol Catheter Solution with Chlorhexidine Treated Catheter	07867223.5	10/12/2007		
040792.023701	Inactive	PCT	Anti-Infective Alcohol Catheter Solution with Chlorhexidine Treated Catheter	PCT/US07/21835	10/12/2007		
040792.023700	Inactive	U.S.	Anti-Infective Alcohol Catheter Solution with Chlorhexidine Treated Catheter	60/852,630	10/18/2006		
040792.023702	Inactive	U.S.	Anti-Infective Alcohol Catheter Solution with Chlorhexidine Treated Catheter	12/311,647	4/7/2009		
049768.021544	Inactive	Canada	Antimicrobial Catheters with Permeabilization Agents	2920491	8/6/2014		
049768.021545	Inactive	EP	Antimicrobial Catheters with Permeabilization Agents	14834012.8	8/6/2014		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021542	Inactive	PCT	Antimicrobial Catheters with Permeabilization Agents	PCT/US2014/049896	8/6/2014		
091644.021745	Granted	Canada	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	2691211	6/26/2008	2691211	3/21/2017
091644.021746	Granted	China	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	200880101636.8	6/26/2008	ZL200880101636.8	11/6/2013
091644.021755	Granted	Germany	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	8781041.2	6/26/2008	2170162	8/23/2017
091644.021744	Inactive	PCT	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	PCT/US2008/068422	6/26/2008		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
091644.021741	Inactive	U.S.	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	13/844,408	3/15/2013		
091644.021742	Granted	U.S.	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	12/147,401	6/26/2008	8,597,193	12/3/2013
091644.021751	Granted	U.S.	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	15/009,745	1/28/2016	10,321,890	6/18/2019
091644.021753	Granted	U.S.	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	15/331,899	10/23/2016	10,470,743	11/12/2019
091644.022140	Filed	U.S.	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	16/680,100	11/11/2019		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
091644.021758	Granted	United Kingdom	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	08781041.2	6/26/2008	2170162	8/23/2017
091644.021760	Inactive	U.S.	APPARATUS AND METHOD FOR ENDOVASCULAR GUIDANCE	60/957,316	8/22/2007		
044774.023280	Granted	U.S.	APPARATUS AND METHOD FOR REVERSE TUNNELING A MULTI-LUMEN CATHETER IN A PATIENT	10/251,384	9/20/2002	7,128,734	10/31/2006
044774.023281	Inactive	PCT	Apparatus and Method for Reverse Tunneling a Multi-Lument Catheter in a Patient	PCT/US03/029553	9/17/2003		
091644.021740	Inactive	U.S.	APPARATUS AND METHOD FOR VASCULAR ACCESS	60/937,280	6/26/2007		
091644.021743	Inactive	U.S.	APPARATUS AND METHOD FOR VASCULAR ACCESS	12/147,413	6/26/2008		
091644.021752	Granted	U.S.	Apparatus and Method for Vascular Access	15/092,588	4/6/2016	10,368,837	8/6/2019
091644.021759	Filed	U.S.	Apparatus and Method for Vascular Access	16/530,491	8/2/2019		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044869.023864	Granted	China	Apparatus and Methods for Removing Obstructive Material from Body Lumens	200980129911.1	6/8/2009	ZL 200980129911.1	5/14/2014
044869.023869	Granted	U.S.	Apparatus And Methods For Removing Obstructive Material From Body Lumens	15/831,285	12/4/2017	10,716,586	7/21/2020
044869.023844	Granted	Australia	Apparatus and Methods for Treating Obstructions Within Body Lumens	2009266808	7/2/2009	2009266808	10/23/2014
044869.024084	Granted	Canada	Apparatus and Methods for Treating Obstructions within Body Lumens	2827641	2/17/2012	2827641	8/25/2020
044869.024086	Granted	China	Apparatus and Methods for Treating Obstructions within Body Lumens	201280018206.6	2/17/2012	ZL201280018206.6	10/31/2017
044869.023991	Granted	Germany	Apparatus and Methods for Treating Obstructions Within Body Lumens	10803003.2	7/23/2010	602010059567.6	6/19/2019
044869.024161	Granted	Germany	Apparatus and Methods for Treating Obstructions Within Body Lumens	9774584.8	7/2/2009	2307086	4/15/2015

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044869.024170	Granted	Germany	Apparatus and Methods for Treating Obstructions Within Body Lumens	15160566.4	7/2/2009	2902070	10/5/2016
044869.024087	Granted	Japan	Apparatus and Methods for Treating Obstructions within Body Lumens	2013-554659	2/17/2012	6158715	6/16/2017
044869.024090	Granted	U.S.	Apparatus and Methods for Treating Obstructions Within Body Lumens	15/698,622	9/7/2017	10,624,656	4/21/2020
044869.023993	Granted	United Kingdom	Apparatus and Methods for Treating Obstructions Within Body Lumens	10803003.2	7/23/2010	2456504	6/19/2019
091644.021717	Granted	France	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	12150986.3	5/8/2006	2474268	7/10/2013
091644.021711	Granted	Germany	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	12150986.3	5/8/2006	602006037312.0	7/10/2013
091644.021724	Granted	Italy	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	12150986.3	5/8/2006	28538 BE/2013	7/10/2013

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
091644.021719	Granted	United Kingdom	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	12150986.3	5/8/2006	2474268	7/10/2013
091644.021756	Granted	France	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	08781041.2	6/26/2008	2170162	8/23/2017
044869.024175	Granted	United Kingdom	Apparatus for Removing Obstructive Material from Body Lumens	09774001.3	6/8/2009	2299916	8/8/2018
044869.023985	Granted	China	Apparatus for Treating Obstructions Within Body Lumens	201080040808.2	7/23/2010	201080040808.2	3/18/2015
040792.023900	Inactive	U.S.	Article Containing Segregated Chlorhexidine and Methyl Donor	61/101,903	10/1/2008		
049768.021508	Inactive	Canada	Articles Having Non-Fouling Surfaces and Processes for Preparing the Same Including Pretreatment of Substrates	2799833	6/9/2011	2799833	10/4/2016
049768.021510	Inactive	Canada	Articles Having Non-Fouling Surfaces and Processes for	2799639	6/9/2011	2799639	10/4/2016

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
			Preparing the Same Without Altering Bulk Physical Properties				
049768.021512	Inactive	Canada	Articles Having Non-Fouling Surfaces and Processes for Preparing the Same Including Applying a Primer Coat	2799641	6/9/2011	2799641	8/30/2016
049768.021509	Inactive	EP	Articles Having Non-Fouling Surfaces and Processes for Preparing the Same Including Pretreatment of Substrates	11793159.2	6/9/2011		
049768.021511	Inactive	EP	Articles Having Non-Fouling Surfaces and Processes for Preparing the Same Without Altering Bulk Physical Properties	11793165.9	6/9/2011		
049768.021513	Inactive	EP	Articles Having Non-Fouling Surfaces and Processes for Preparing the Same Including Applying a Primer Coat	11793170.9	6/9/2011		
040792.023920	Inactive	U.S.	Bacteriostatic Catheter Lock Containing Glycerol	61/150,500	2/6/2009		
040792.023920	Inactive	U.S.	Bacteriostatic Catheter Lock Containing Glycerol	61/147,671	1/27/2009		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.024682	Granted	China	Catheter Assembly With Segmented Stabilization System	201480029369.3	4/4/2014	105246536B	9/21/2018
040792.024680	Inactive	U.S.	Catheter Assembly With Segmented Stabilization System	61/808,982	4/5/2013		
040792.024683	Granted	U.S.	Catheter Assembly With Segmented Stabilization System	14/782,422	10/14/2015	10,786,653	9/29/2020
040792.024684	Filed	U.S.	Catheter Assembly With Segmented Stabilization System	17/033,325	9/25/2020		
044781.023042	Inactive	Australia	Catheter Connector with Pivot Lever Spring Latch	2003262752	8/20/2003		
044781.023043	Inactive	Canada	Catheter Connector with Pivot Lever Spring Latch	2,495,202	8/20/2003		
044781.023044	Inactive	China	Catheter Connector with Pivot Lever Spring Latch	03819784.7	8/20/2003	ZL03819784.7	8/7/2009
044781.023045	Inactive	EP	Catheter Connector with Pivot Lever Spring Latch	03793183.9	8/20/2003		
044781.023048	Inactive	Hong Kong	Catheter Connector with Pivot Lever Spring Latch	06109839.0	8/20/2003	HK1089398	9/3/2010
044781.023046	Inactive	Japan	Catheter Connector with Pivot Lever Spring Latch	2004-531145	8/20/2003	4452620	2/5/2010

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044781.023047	Inactive	Mexico	Catheter Connector with Pivot Lever Spring Latch	PA/A/2005/001373	8/20/2003	254585	2/13/2008
044781.023041	Inactive	PCT	CATHETER CONNECTOR WITH PIVOT LEVER SPRING LATCH	PCT/US2003/026101	8/20/2003		
044781.023040	Granted	U.S.	Catheter Connector with Pivot Lever Spring Latch	10/225,782	8/21/2002	7,044,936	5/16/2006
040792.023682	Inactive	EP	Catheter Trimmer	08744496.4	3/27/2008		
040792.023681	Inactive	PCT	Catheter Trimmer	PCT/US08/58497	3/27/2008		
040792.023680	Inactive	U.S.	Catheter Trimmer	11/729,368	3/27/2007		
044781.023102	Inactive	Australia	Catheter with Limited Longitudinal Extension	2004220514	3/11/2004	2004220514	12/24/2009
044781.023103	Inactive	Canada	Catheter with Limited Longitudinal Extension	2,518,582	3/11/2004	2,518,582	11/9/2010
044781.023104	Inactive	China	Catheter with Limited Longitudinal Extension	200480006650.1	3/11/2004	ZL200480006650.1	6/10/2009
044781.023111	Inactive	France	Catheter with Limited Longitudinal Extension	04719733.0	3/11/2004	1601405	5/20/2009

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044781.023110	Inactive	Germany	Catheter with Limited Longitudinal Extension	04719733.0	3/11/2004	1601405	5/20/2009
044781.023106	Inactive	Japan	Catheter with Limited Longitudinal Extension	2006-507066	3/11/2004		
044781.023107	Inactive	Korea, South	Catheter with Limited Longitudinal Extension	2005-7016847	3/11/2004		
044781.023108	Inactive	Mexico	Catheter with Limited Longitudinal Extension	PA/A/2005/009534	3/11/2004	250972	10/30/2007
044781.023101	Inactive	PCT	CATHETER WITH LIMITED LONGITUDINAL EXTENSION	PCT/US04/07391	3/11/2004		
044781.023109	Inactive	South Africa	Catheter with Limited Longitudinal Extension	2005/07098	3/11/2004	2005/07098	6/28/2006
040792.023100	Granted	U.S.	Catheter with Limited Longitudinal Extension	10/387,300	3/12/2003	6,896,671	5/24/2005
040792.023542	Inactive	China	Catheter with Polymeric Coating	0610064337.4	12/4/2006		
040792.023543	Inactive	EP	Catheter with Polymeric Coating	06838731.5	12/1/2006		
040792.023541	Inactive	PCT	Catheter with Polymeric Coating	PCT/US06/45918	12/1/2006		
040792.023540	Inactive	U.S.	Catheter with Polymeric Coating	11/293,056	12/2/2005		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.023122	Inactive	EP	Cell Necrosis Apparatus with Cooled Microwave Antenna	05758398.1	4/27/2005		
040792.023123	Inactive	Japan	Cell Necrosis Apparatus with Cooled Microwave Antenna	2007-510967	4/27/2005		
040792.023121	Inactive	PCT	CELL NECROSIS APPARATUS WITH COOLED MICROWAVE ANTENNA	PCT/US05/14579	4/27/2005		
040792.023120	Inactive	U.S.	Cell Necrosis Apparatus with Cooled Microwave Antenna	10/835,725	4/30/2004		
040792.023824	Inactive	EP	Combination of Alcohol Lock and Gentian Violet Catheter	08835142.4	10/2/2008		
040792.023823	Inactive	Japan	Combination of Alcohol Lock and Gentian Violet Catheter	2010-527980	10/2/2008		
040792.023821	Inactive	PCT	Combination of Alcohol Lock and Gentian Violet Catheter	US08/11389	10/2/2008		
040792.023820	Inactive	U.S.	Combination of Alcohol Lock and Gentian Violet Catheter	60/997,403	10/3/2007		
040792.023822	Inactive	U.S.	Combination of Alcohol Lock and Gentian Violet Catheter	12/733,992	4/1/2010		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.023743	Inactive	EP	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	08754605.7	5/21/2008	2160152	7/27/2016
040792.023746	Inactive	France	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	08754605.7	5/21/2008	2160152	7/27/2016
040792.023745	Inactive	Germany	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	08754605.7	5/21/2008	2160152	7/27/2016
040792.023747	Inactive	Italy	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	502016000103891	5/21/2008	2160152	7/27/2016
040792.023744	Inactive	Japan	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	2010-510293	5/21/2008	5642540	11/7/2014
040792.023741	Inactive	PCT	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	PCTUS08/06492	5/21/2008		
040792.023740	Inactive	U.S.	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	60/932,759	6/1/2007		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.023748	Inactive	United Kingdom	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	08754605.7	5/21/2008	2160152	7/27/2016
040792.023742	Granted	U.S.	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	12/451,773	11/30/2009	8,895,047	11/25/2014
091644.021840	Inactive	U.S.	CONFIGURATIONS OF GUIDED ENDOVASCULAR ACCESS DEVICES	61/023,183	1/24/2008		
091644.021640	Inactive	U.S.	DEVICES FOR CATHETER SECUREMENT	61/576,483	12/16/2011		
044774.023243	Inactive	Australia	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	2003265836	8/28/2003	2003265836	5/29/2008
044774.023244	Granted	Canada	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	2,497,133	8/28/2003	2,497,133	5/10/2011
044774.023246	Inactive	China	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	03824195.1	8/28/2003		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023256	Granted	France	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	03791935.4	8/28/2003	1542759	12/3/2014
044774.023254	Granted	Germany	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	03791935.4	8/28/2003	1542759	12/3/2014
044774.023250	Inactive	Hong Kong	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	06113151.2	8/28/2003		
044774.023257	Granted	Italy	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	03791935.4	8/28/2003	1542759	12/3/2014
044774.023248	Inactive	Japan	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	2004-531904	8/28/2003		
044774.023249	Inactive	Mexico	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	P/A/2005/002272	8/28/2003		
044774.023242	Inactive	PCT	DOUBLE Y-SHAPED MULTI-LUMEN CATHETER WITH SELECTIVELY ATTACHABLE HUBS	PCT/US2003/027078	8/28/2003		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023251	Inactive	U.S.	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	10/797,363	3/10/2004		
044774.023255	Granted	United Kingdom	Double Y-Shaped Multi-Lumen Catheter with Selectively Attachable Hubs	03791935.4	8/28/2003	1542759	12/3/2014
040792.021522	Inactive	EP	Elastomeric Devices Containing Chlorhexidine/Fatty Acid Salts Made From Fatty Acids of 12 to 18 Carbons	9170109.4	9/11/2009		
091644.021703	Granted	U.S.	Endovascular Access and Guidance System Utilizing Divergent Beam Ultrasound	11/431,118	5/8/2006	9,198,600	12/1/2015
091644.021706	Granted	U.S.	ENDOVASCULAR DEVICES AND METHODS OF USE	12/359,195	1/23/2009	9,339,207	5/17/2016
091644.021754	Inactive	U.S.	Endovascular Devices and Methods of Use	15/131,030	4/18/2016		
091644.021780	Inactive	U.S.	ENDOVASCULAR DEVICES AND METHODS OF USE	61/023,176	1/24/2008		
091644.022007	Granted	France	ENDOVASCULAR NAVIGATION SYSTEM	11839382.6	11/8/2011	2637568	4/12/2017

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
091644.022009	Granted	United Kingdom	ENDOVASCULAR NAVIGATION SYSTEM	11839382.6	11/8/2011	2637568	4/12/2017
091644.022006	Granted	Germany	Endovascular Navigation System and Method	11839382.6	11/8/2011	2637568	4/12/2017
091644.022008	Granted	Italy	Endovascular Navigation System and Method	502017000078140	11/8/2011	2637568	4/12/2017
091644.022002	Inactive	PCT	ENDOVASCULAR NAVIGATION SYSTEM AND METHOD	PCT/US2011/059816	11/8/2011		
091644.021728	Granted	U.S.	Endovascular Navigation System and Method	14/953,391	11/29/2015	10,335,240	7/2/2019
091644.021729	Filed	U.S.	Endovascular Navigation System and Method	16/458,656	7/1/2019		
091644.022000	Inactive	U.S.	ENDOVASCULAR NAVIGATION SYSTEM AND METHOD	61/411,412	11/8/2010		
091644.022001	Granted	U.S.	Endovascular navigation System And Method	13/292,010	11/8/2011	9,119,551	9/1/2015
091644.022005	Granted	U.S.	Endovascular Navigation System And Method	14/811,923	7/29/2015	10,368,830	8/6/2019

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
091644.022010	Filed	U.S.	Endovascular Navigation System And Method	16/531,366	8/5/2019		
091644.021702	Granted	U.S.	Endovenous Access and Guidance System Utilizing Non-Image Based Ultrasound	11/431,140	5/8/2006	9,204,819	12/8/2015
040792.021544	Granted	Canada	ENHANCED FORMULATIONS FOR COATING MEDICAL DEVICES	2855218	11/8/2012	2855218	12/4/2018
040792.023992	Filed	Canada	Enhanced Formulations for Coating Medical Devices	3021799	11/8/2012		
044869.023791	Granted	Germany	Flow Restoration Systems and Methods for Use	09815406.5	9/22/2009	602009042334.7	11/9/2016
044869.023794	Granted	U.S.	Flow Restoration Systems and Methods for Use	15/788,754	10/19/2017	10,729,459	8/4/2020
044774.023406	Inactive	Australia	Guidewire Bearing Markings Simplifying Catheter Selection	2005274920	7/15/2005		
044774.023411	Inactive	Belgium	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	01778319	9/8/2010
044774.023407	Inactive	Canada	Guidewire Bearing Markings Simplifying Catheter Selection	2,574,541	7/15/2005		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023402	Inactive	China	Guidewire Bearing Markings Simplifying Catheter Selection	0580022794.0	7/15/2005		
044774.023409	Granted	France	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	1778319	9/8/2010
044774.023408	Granted	Germany	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	1778319	9/8/2010
044774.023413	Granted	Italy	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	01778319	9/8/2010
044774.023404	Inactive	Japan	Guidewire Bearing Markings Simplifying Catheter Selection	2007-522603	7/15/2005		
044774.023414	Inactive	Luxembourg	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	01778319	9/8/2010
044774.023405	Inactive	Mexico	Guidewire Bearing Markings Simplifying Catheter Selection	MX/A/2007/000695	7/15/2005	273902	2/4/2010
044774.023415	Inactive	Netherlands	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	01778319	9/8/2010
044774.023401	Inactive	PCT	GUIDEWIRE BEARING MARKINGS SIMPLIFYING CATHETER SELECTION	US05/025297	7/15/2005		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023410	Inactive	Spain	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	01778319	9/8/2010
044774.023400	Inactive	U.S.	Guidewire Bearing Markings Simplifying Catheter Selection	10/893,847	7/19/2004		
044774.023412	Granted	United Kingdom	Guidewire Bearing Markings Simplifying Catheter Selection	05772305.8	7/15/2005	01778319	9/8/2010
040792.023784	Inactive	EP	High Concentration Gentian Violet Containing Medical Devices and Methods of Making Same	08836117.5	10/2/2008		
040792.023783	Inactive	Japan	High Concentration Gentian Violet Containing Medical Devices and Methods of Making Same	2010-527981	10/2/2008		
040792.023782	Inactive	PCT	High Concentration Gentian Violet Containing Medical Devices and Methods of Making Same	PCT/US2008/011390	10/2/2008		
040792.023780	Inactive	U.S.	High Concentration Gentian Violet Containing Medical Devices and Methods of Making Same	60/997,490	10/3/2007		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.023781	Inactive	U.S.	High Concentration Gentian Violet Containing Medical Devices and Methods of Making Same	12/286,791	10/2/2008		
049768.021594	Inactive	Canada	High Ionic Strength Process for Contact Lens Modification	2858596	12/14/2012	2858596	8/16/2016
049768.021592	Inactive	PCT	High Ionic Strength Process for Contact Lens Modification	PCT/US2012/069887	12/14/2012		
049768.021573	Inactive	Australia	Imbibing Process for Contact Lens Surface Modification	2012368232	12/14/2012		
049768.021574	Inactive	Canada	Imbibing Process for Contact Lens Surface Modification	2859195	12/14/2012	2859195	9/27/2016
049768.021572	Inactive	PCT	Imbibing Process for Contact Lens Surface Modification	PCT/US2012/069894	12/14/2012		
040792.023640	Granted	U.S.	Improved Dialysis Catheter with Stiffener	11/756,748	6/1/2007	8,177,753	5/15/2012
044781.022779	Granted	Japan	Instrument for Delivery of Anaesthetic Drug	2006-533228	5/20/2004	4738340	5/13/2011
040792.022775	Inactive	Australia	Instrument and Method for Delivery of Anaesthetic Drug	2004240655	5/20/2004		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.022776	Inactive	Canada	Instrument and Method for Delivery of Anaesthetic Drug	2,524,684	5/20/2004		
044781.022777	Inactive	China	Instrument and Method for Delivery of Anaesthetic Drug	200480013649.1	5/20/2004	ZL200480 013649.1	3/25/2010
044781.022778	Inactive	EP	Instrument and Method for Delivery of Anaesthetic Drug	04752721.3	5/20/2004		
044781.022784	Inactive	EP	Instrument and Method for Delivery of Anaesthetic Drug	11176667.1	5/20/2004		
044781.022782	Inactive	Hong Kong	Instrument and Method for Delivery of Anaesthetic Drug	06112669.9	5/20/2004	1092088	3/18/2011
044781.022786	Granted	Italy	Instrument and Method for Delivery of Anaesthetic Drug	14174957.2	5/20/2004	2915560	8/16/2017
040792.022780	Inactive	Mexico	Instrument and Method for Delivery of Anaesthetic Drug	PA/A/2005/012283	5/20/2004	262372	11/21/2008
040792.022783	Inactive	Mexico	Instrument and Method for Delivery of Anaesthetic Drug	MX/a/08/008363	6/25/2008		
044781.022781	Inactive	South Africa	Instrument and Method for Delivery of Anaesthetic Drug	2005/08684	5/20/2004		2/28/2007
044781.022763	Granted	U.S.	Instrument and Method for Delivery of Anaesthetic Drugs	10/441,867	5/20/2003	7,386,341	6/10/2008

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044781.022785	Granted	France	Instrument for Delivery of Anaesthetic Drug	14174957.2	5/20/2004	2915560	8/16/2017
044781.022787	Granted	Germany	Instrument for Delivery of Anaesthetic Drug	14174957.2	5/20/2004	2915560	8/16/2017
044781.022788	Granted	United Kingdom	Instrument for Delivery of Anaesthetic Drug	14174957.2	5/20/2004	2915560	8/16/2017
040792.024040	Inactive	U.S.	Integrated Syringe Device with Self-Capping Connector	61/443,990	2/17/2011		
040792.024041	Granted	U.S.	Integrated Syringe Device with Self-Capping Connector	13/398,480	2/16/2012	8,617,120	12/31/2013
040792.024043	Inactive	U.S.	Integrated Syringe Device with Self-Capping Connector	14/145,401	12/31/2013		
040792.023202	Inactive	Australia	Intracorporeal Probe with Disposable Probe Body	2005247331	5/3/2005		
040792.023203	Inactive	Canada	Intracorporeal Probe with Disposable Probe Body	2,564,490	5/3/2005		
040792.023204	Inactive	China	Intracorporeal Probe with Disposable Probe Body	0580015998.1	5/3/2005		
040792.023209	Inactive	EP	Intracorporeal Probe with Disposable Probe Body	05746554.4	5/3/2005		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.023205	Inactive	Japan	Intracorporeal Probe with Disposable Probe Body	2007-527264	5/3/2005		
040792.023206	Inactive	Korea, South	Intracorporeal Probe with Disposable Probe Body	2006-7024194	5/3/2005		
040792.023207	Inactive	Mexico	Intracorporeal Probe with Disposable Probe Body	2006/013153	5/3/2005		
040792.023201	Inactive	PCT	Intracorporeal Probe with Disposable Probe Body	PCT/US05/15179	5/3/2005		
040792.023208	Inactive	South Africa	Intracorporeal Probe with Disposable Probe Body	2006/10331	5/3/2005		
040792.023200	Inactive	U.S.	Intracorporeal Probe with Disposable Probe Body	10/848,086	5/18/2004		
049768.021653	Inactive	Canada	Layered Non-Fouling, Antimicrobial Antithrombogenic Coatings	2745204	12/7/2009	2745204	1/3/2017
040792.023481	Inactive	PCT	LOSS OF RESISTANCE SYRINGE	US05/039513	11/1/2005		
040792.023480	Inactive	U.S.	LOSS OF RESISTANCE SYRINGE	11/010,523	12/13/2004		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021673	Inactive	Australia	Luminal Modifications for Catheters	2012352139	12/14/2012		
049768.021678	Inactive	Australia	Luminal Modifications for Catheters	2016200311	12/14/2012	2016200311	10/12/2017
049768.021674	Inactive	Canada	Luminal Modifications for Catheters	2858728	12/14/2012		
049768.021677	Inactive	EP	Luminal Modifications for Catheters	12857659.2	12/14/2012	2790745	9/27/2017
049768.021680	Inactive	France	Luminal Modifications for Catheters	12857659.2	12/14/2012	2790745	9/27/2017
049768.021681	Inactive	Germany	Luminal Modifications for Catheters	12857659.2	12/14/2012	2790745	9/27/2017
049768.021675	Inactive	Japan	Luminal Modifications for Catheters	2014-547476	12/14/2012		
049768.021672	Inactive	PCT	Luminal Modifications for Catheters	PCT/US2012/069703	12/14/2012		
049768.021682	Inactive	United Kingdom	Luminal Modifications for Catheters	12857659.2	12/14/2012	2790745	9/27/2017

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.024421	Inactive	PCT	MEDICAL DEVICE LOCATION SYSTEMS, DEVICES AND METHODS	PCT/US2011/061172	11/17/2011		
040792.024340	Inactive	U.S.	Medical Device Location Systems, Devices And Or Methods	62/119,089	2/20/2015		
040792.024342	Inactive	PCT	Medical Device Position Location Systems, Devices and Methods	PCT/US2016/018741	2/19/2016		
040792.024362	Inactive	PCT	MEDICAL DEVICE POSITION LOCATION SYSTEMS, DEVICES AND METHODS	PCT/US2016/018714	2/19/2016		
040792.024360	Inactive	U.S.	MEDICAL DEVICE POSITION LOCATION SYSTEMS, DEVICES AND/OR METHODS	62/119,092	2/20/2015		
040792.024380	Inactive	U.S.	Medical Device Position Location Systems, Devices And/or Methods	62/154,687	4/29/2015		
040792.023880	Inactive	U.S.	Medical Devices with Sodium Nitroprusside and Antimicrobial Agents	12/401,829	3/11/2009		
044781.024880	Inactive	EP	Medical/Surgical Tool for Both Identifying Subcutaneous Target	08733045.2	4/1/2008		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
			Tissue by Means of Emitting an Interrogation Signal and Positioning a Catheter at the Target				
044781.024881	Inactive	U.S.	Medical/Surgical Tool for Both Identifying Subcutaneous Target Tissue by Means of Emitting an Interrogation Signal and Positioning a Catheter at the Target	12/571,478	10/1/2009		
091644.021709	Granted	China	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	200680023096.7	5/8/2006	ZL 200680023096.7	6/20/2012
091644.021716	Granted	France	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	06759289.9	5/8/2006	1887940	6/26/2013
091644.021710	Granted	Germany	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	6759289.9	5/8/2006	1887940	6/26/2013
091644.021723	Granted	Italy	METHOD AND APPARATUS FOR ENDOVASCULAR	06759289.9	5/8/2006	26806BE/2013	6/26/2013

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
			DEVICE GUIDING AND POSITIONING				
091644.021707	Inactive	PCT	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	PCT/US2006/017673	5/8/2006		
091644.021718	Granted	United Kingdom	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	06759289.9	5/8/2006	1887940	6/26/2013
091644.021700	Inactive	U.S.	METHOD AND APPARATUS FOR INTRAVASCULAR CATHETER GUIDING AND POSITIONING	60/678,209	5/6/2005		
091644.021701	Inactive	U.S.	METHOD AND APPARATUS FOR INTRAVASCULAR CATHETER GUIDING AND POSITIONING	60/682,002	5/18/2005		
040792.023660	Inactive	U.S.	Method of Determining an Appropriate Catheter Length	11/542,051	10/3/2006		
044869.023624	Granted	Canada	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	2635074	12/4/2006	2635074	7/22/2014

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044869.023629	Granted	France	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	06838963.4	12/4/2006	1968666	1/17/2013
044869.023627	Granted	Germany	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	60 2006 034 562.3	12/4/2006	1968666	1/17/2013
044869.023626	Inactive	Hong Kong	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	09101362.9	12/4/2006	HK11214 16	6/14/2013
044869.023630	Granted	Italy	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	06838963.4	12/4/2006	1968666	1/17/2013
044869.023625	Granted	Japan	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	2008-549476	12/4/2006	4790817	7/29/2011
040792.023622	Inactive	PCT	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	PCT/US06/46299	12/4/2006		
044869.023628	Inactive	Spain	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	06838963.4	12/4/2006	1968666	1/17/2013

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.023620	Inactive	U.S.	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	60/756,651	1/5/2006		
044869.023621	Granted	U.S.	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	11/633,320	12/4/2006	8,016,738	9/13/2011
044869.023631	Granted	United Kingdom	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	06838963.4	12/4/2006	1968666	1/17/2013
091644.021660	Inactive	U.S.	METHODS FOR CATHETER SECUREMENT DEVICES	61/588,515	1/19/2012		
040792.023441	Inactive	PCT	MULTI-LUMEN CATHETER HAVING EXTERNAL ELECTRICAL LEADS	US06/04759	2/10/2006		
044774.023230	Granted	Australia	Multi-Lumen Catheter with Attachable Hub	2002240049	1/24/2002	2002240049	4/19/2007
044774.023228	Inactive	Czech Republic	Multi-Lumen Catheter with Attachable Hub	2003-2071	1/24/2002		
044774.023233	Granted	EP	Multi-Lumen Catheter with Attachable Hub	02705931.0	1/24/2002	1353719	5/21/2008

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023235	Granted	France	Multi-Lumen Catheter with Attachable Hub	02705931.0	1/24/2002	1353719	5/21/2008
044774.023231	Granted	Germany	Multi-Lumen Catheter with Attachable Hub	60226701.3-08	1/24/2002	1353719	5/21/2008
044774.023237	Granted	Italy	Multi-Lumen Catheter with Attachable Hub	02705931.0	1/24/2002	1353719	5/21/2008
044774.023232	Inactive	Japan	Multi-Lumen Catheter with Attachable Hub	2002-559106	1/24/2002		
044774.023238	Inactive	Portugal	Multi-Lumen Catheter with Attachable Hub	02705931.0	1/24/2002	1353719	5/21/2008
044774.023234	Inactive	Spain	Multi-Lumen Catheter with Attachable Hub	02705931.0	1/24/2002	1353719	5/21/2008
044774.023225	Granted	U.S.	Multi-Lumen Catheter with Attachable Hub	10/612,532	7/1/2003	7,381,204	6/3/2008
044774.023236	Granted	United Kingdom	Multi-Lumen Catheter with Attachable Hub	02705931.0	1/24/2002	1353719	5/21/2008
044774.023226	Granted	Canada	Multi-Lumen Catheter with Attachable Hubs	2435697	1/24/2002	2435697	12/15/2009
044774.023227	Granted	China	Multi-Lumen Catheter with Attachable Hubs	02805355.9	1/24/2002	ZL028053 55.9	10/19/2005

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023223	Inactive	PCT	MULTI-LUMEN CATHETER WITH ATTACHABLE HUB	US02/01996	1/24/2002		
044774.023239	Inactive	PCT	MULTI-LUMEN CATHETER WITH ATTACHABLE HUB	PCT/US03/29170	9/17/2003		
044774.023224	Granted	U.S.	MULTI-LUMEN CATHETER WITH ATTACHABLE HUB	10/251,411	9/20/2002	7,300,430	11/27/2007
044774.023263	Inactive	Australia	Multi-Lumen Catheter with Integrated Connector	2003260123	8/28/2003	2003260123	6/5/2008
044774.023264	Granted	Canada	Multi-Lumen Catheter with Integrated Connector	2,496,809	8/28/2003	2,496,809	9/4/2012
044774.023265	Granted	China	Multi-Lumen Catheter with Integrated Connector	03824194.3	8/28/2003	ZL03824194.3	1/28/2009
044774.023274	Granted	France	Multi-Lumen Catheter with Integrated Connector	03791898.4	8/28/2003	1539272	6/12/2019
044774.023273	Granted	Germany	Multi-Lumen Catheter with Integrated Connector	03791898.4	8/28/2003	1539272	6/12/2019
044774.023270	Inactive	Hong Kong	Multi-Lumen Catheter with Integrated Connector	05111591.5	8/28/2003		
044774.023267	Granted	Japan	Multi-Lumen Catheter with Integrated Connector	2004-531633	8/28/2003	4530854	8/25/2010

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023268	Inactive	Mexico	Multi-Lumen Catheter with Integrated Connector	PA/A/2005/002274	8/28/2003	253331	1/14/2008
044774.023261	Inactive	PCT	Multi-Lumen Catheter with Integrated Connector	PCT/US2003/026967	8/28/2003		
044774.023260	Granted	U.S.	Multi-Lumen Catheter with Integrated Connector	10/231,577	8/30/2002	6,921,396	7/26/2005
044774.023269	Inactive	U.S.	Multi-Lumen Catheter with Integrated Connector	11/117,892	4/29/2005		
044774.023275	Granted	United Kingdom	Multi-Lumen Catheter with Integrated Connector	03791898.4	8/28/2003	1539272	6/12/2019
049768.021704	Inactive	Canada	Multistep UV Process to Create Surface Modified Contact Lenses	2859194	12/14/2012	2859194	5/30/2017
049768.021702	Inactive	PCT	Multistep UV Process to Create Surface Modified Contact Lenses	PCT/US2012/069874	12/14/2012		
049768.021774	Inactive	Canada	Non-Fouling, Anti-Microbial, Anti-thrombogenic Graft Compositions	2799786	6/9/2011		
049768.021775	Inactive	EP	Non-Fouling, Anti-Microbial, Anti-Thrombogenic Graft Compositions	11793155.0	6/9/2011		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021776	Granted	U.S.	Non-Fouling, Anti-Microbial, Anti-Thrombogenic Graft Compositions	14/533,908	11/5/2014	10,016,532	7/10/2018
049768.021658	Inactive	Canada	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	2745440	12/7/2009	2745440	9/12/2017
049768.021745	Inactive	Canada	Non-Fouling, Anti-Microbial, Anti-Thrombogenic Graft-From Compositions	2799636	6/9/2011		
049768.021746	Inactive	China	Non-Fouling, Anti-Microbial, Anti-Thrombogenic Graft-From Compositions	201180037810.9	6/9/2011	ZL201180037810.9	3/9/2016
049768.021748	Inactive	EP	Non-Fouling, Anti-Microbial, Anti-Thrombogenic Graft-From Compositions	11793154.3	6/9/2011		
049768.021723	Inactive	France	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	09796517.2	12/7/2009	2352797	7/24/2013
049768.021721	Inactive	Germany	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	9796517.2	12/7/2009	2352797	7/24/2013

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021727	Inactive	Ireland	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	09796517.2	12/7/2009	2352797	7/24/2013
049768.021725	Inactive	Italy	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	502013902201920	12/7/2009	2352797	7/24/2013
049768.021663	Inactive	Japan	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	2011-539776	12/7/2009	6150267	6/2/2017
049768.021679	Inactive	Japan	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	2015-113383	6/3/2015		
049768.021750	Inactive	Japan	Non-Fouling, Anti-Microbial, Anti-Thrombogenic Graft-From Compositions	2013-514367	6/9/2011	6083071	2/3/2017
049768.021722	Inactive	Spain	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	09796517.2	12/7/2009	2352797	7/24/2013
049768.021755	Granted	U.S.	Non-Fouling, Anti-Microbial, Anti-Thrombogenic Graft-From Compositions	14/531,383	11/3/2014	10,117,974	11/6/2018

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021724	Inactive	United Kingdom	Non-Fouling, Anti-microbial, Anti-thrombogenic Graft-From Compositions	09796517.2	12/7/2009	2352797	7/24/2013
040792.021545	Granted	EP	Novel Enhanced Formulations for Coating Medical Devices	12847942.5	11/8/2012	2780051	10/24/2018
040792.023994	Granted	France	Novel Enhanced Formulations for Coating Medical Devices	12847942.5	11/8/2012	2780051	10/24/2018
040792.023993	Granted	Germany	Novel Enhanced Formulations for Coating Medical Devices	12847942.5	11/8/2012	2780051	10/24/2018
040792.023995	Granted	Italy	Novel Enhanced Formulations for Coating Medical Devices	12847942.5	11/8/2012	2780051	10/24/2018
040792.021542	Inactive	PCT	Novel Enhanced Formulations for Coating Medical Devices	PCT/US2012/064203	11/8/2012		
040792.023996	Inactive	Spain	Novel Enhanced Formulations for Coating Medical Devices	12847942.5	11/8/2012	2780051	10/24/2018
040792.021546	Filed	U.S.	Novel Enhanced Formulations for Coating Medical Devices	16/786,791	2/10/2020		
040792.023997	Granted	United Kingdom	Novel Enhanced Formulations for Coating Medical Devices	12847942.5	11/8/2012	2780051	10/24/2018

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023366	Inactive	Australia	Over-the-Needle Peel-Away Sheath Catheter Introducer	2005277702	8/4/2005		
044774.023367	Inactive	Canada	Over-the-Needle Peel-Away Sheath Catheter Introducer	2,577,308	8/4/2005		
044774.023363	Inactive	China	Over-the-Needle Peel-Away Sheath Catheter Introducer	0580033728.3	8/4/2005		
044774.023362	Inactive	EP	Over-the-Needle Peel-Away Sheath Catheter Introducer	05779312.7	8/4/2005		
044774.023364	Inactive	Japan	Over-the-Needle Peel-Away Sheath Catheter Introducer	2007-527851	8/4/2005		
044774.023365	Inactive	Mexico	Over-the-Needle Peel-Away Sheath Catheter Introducer	MX/A/2007/001865	8/4/2005		
044774.022361	Inactive	PCT	OVER-THE-NEEDLE PEEL-AWAY SHEATH CATHETER INTRODUCER	PCT/US05/027670	8/4/2005		
044774.023360	Inactive	U.S.	OVER-THE-NEEDLE PEEL-AWAY SHEATH CATHETER INTRODUCER	10/920,064	8/17/2004		
044774.022624	Inactive	U.S.	Percutaneous Mechanical Fragmentation Catheter System	10/960,773	10/7/2004	7,108,704	9/19/2006

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.022023	Inactive	EP	Photoactivatable Fouling-Resistant Copolymers	16837578	8/14/2015		
049768.022021	Inactive	PCT	Photoactivatable Fouling-Resistant Copolymers	PCT/US2016/046750	8/12/2016		
049768.022022	Inactive	U.S.	Photoactivatable Fouling-Resistant Copolymers	15/752,456	2/13/2018		
099599.022325	Granted	Japan	Powered Driver Actuated By Force On Driveshaft And Related Kits, Components, And Methods	2016-552558	2/17/2015	6860346	3/30/2021
099599.022333	Filed	Japan	Powered Driver Actuated By Force on Driveshaft and Related Kits, Components, and Methods	2020-000339	2/17/2015		
040792.023466	Inactive	Australia	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	2006221033	2/23/2006		
044781.023465	Inactive	Canada	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	2600306	2/23/2006	2600306	7/23/2013
044781.023462	Inactive	China	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	200680000471.6	2/23/2006		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044781.023469	Granted	France	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	06735777.2	2/23/2006	1858583	7/4/2012
044781.023468	Inactive	Germany	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	602006030552.4	2/23/2006	1858583	7/4/2012
044781.023470	Granted	Italy	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	06735777.2	2/23/2006	1858583	7/4/2012
044781.023467	Inactive	Japan	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	2008-500733	2/23/2006	5297797	6/21/2013
044781.023464	Inactive	Mexico	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	MX/A/2007/010832	2/23/2006		
040792.023461	Inactive	PCT	PRE-LOADED LOCKABLE STIMULATING CATHETER FOR DELIVERY OF ANAESTHETIC DRUGS	US06/06265	2/23/2006		
044781.023460	Granted	U.S.	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	11/074,515	3/8/2005	8,611,993	12/17/2013

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044781.023471	Granted	United Kingdom	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	06735777.2	2/23/2006	1858583	7/4/2012
049768.021803	Inactive	Australia	Redox Processes for Contact Lens Modification	2012352003	12/14/2012	2012352003	1/14/2016
049768.021804	Inactive	Canada	Redox Processes for Contact Lens Modification	2859047	12/14/2012	2859047	3/21/2017
049768.021802	Inactive	PCT	Redox Processes for Contact Lens Modification	PCT/US2012/069901	12/14/2012		
049768.021808	Inactive	U.S.	Redox Processes for Contact Lens Modification	14/804,929	8/12/2015		
040792.023320	Inactive	U.S.	REVERSE FLOW DOUBLE-LUMEN CATHETER	10/627,522	7/23/2003		
091644.022025	Granted	Japan	Right Atrium Indicator	2015-511459	3/14/2013	6088046	2/10/2017
091644.022023	Inactive	PCT	RIGHT ATRIUM INDICATOR	PCT/US2013/031546	3/14/2013		
091644.022020	Inactive	U.S.	RIGHT ATRIUM INDICATOR	61/643,888	5/7/2012		
091644.022021	Inactive	U.S.	RIGHT ATRIUM INDICATOR	61/649,172	5/18/2012		
091644.022022	Granted	U.S.	Right Atrium Indicator	13/829,522	3/14/2013	9,345,447	5/24/2016

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
091644.022026	Granted	U.S.	Right Atrium Indicator	15/132,242	4/19/2016	9,743,994	8/29/2017
040792.023721	Inactive	PCT	Selectively Reinforced Medical Devices	PCT/US2008/052815	2/1/2008		
040792.023720	Inactive	U.S.	Selectively Reinforced Medical Devices	11/708,162	2/6/2007		
049768.021823	Inactive	Australia	Silicone Hydrogel Contact Lens Modified Using Lanthanide or Transition Metal Oxidants	2012351980	12/14/2012	2012351980	1/7/2016
049768.021824	Inactive	Canada	Silicone Hydrogel Contact Lens Modified Using Lanthanide or Transition Metal Oxidants	2859696	12/14/2012	2859696	3/21/2017
049768.021822	Inactive	PCT	Silicone Hydrogel Contact Lens Modified Using Lanthanide or Transition Metal Oxidants	PCT/US2012/069859	12/14/2012		
091644.021680	Inactive	U.S.	SLIDING LOCK DEVICES FOR CATHETER SECUREMENT	61/652,589	5/29/2012		
040792.023860	Granted	U.S.	Stabilized Enzyme Compositions	12/392,544	2/25/2009	8,545,459	10/1/2013
040792.022823	Inactive	U.S.	Stylet-Free Epidural Catheter and Thread Assist Device	10/635,366	8/6/2003		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021863	Inactive	Australia	Surface Modification for Catheters Comprised of Multiple Materials	2012352056	12/14/2012	2012352056	1/14/2016
049768.021864	Inactive	Canada	Surface Modification for Catheters Comprised of Multiple Materials	2858834	12/14/2012		
049768.021867	Inactive	EP	Surface Modification for Catheters Comprised of Multiple Materials	12857916.6	12/14/2012	2790746	5/9/2018
049768.021870	Inactive	France	Surface Modification for Catheters Comprised of Multiple Materials	12857916.6	12/14/2012	2790746	5/9/2018
049768.021869	Inactive	Germany	Surface Modification for Catheters Comprised of Multiple Materials	12857916.6	12/14/2012	2790746	5/9/2018
049768.021865	Inactive	Japan	Surface Modification for Catheters Comprised of Multiple Materials	2014-547477	12/14/2012		
049768.021868	Inactive	Japan	Surface Modification for Catheters Comprised of Multiple Materials	2016-199988	12/14/2012		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021862	Inactive	PCT	Surface Modification for Catheters Comprised of Multiple Materials	PCT/US2012/069705	12/14/2012		
049768.021860	Inactive	U.S.	Surface Modification for Catheters Comprised of Multiple Materials	61/570,808	12/14/2011		
049768.021871	Inactive	United Kingdom	Surface Modification for Catheters Comprised of Multiple Materials	12857916.6	12/14/2012	2790746	5/9/2018
049768.021888	Inactive	Australia	Surface Modification for Dialysis Catheters	2016200315	12/14/2012		
049768.021890	Inactive	Australia	Surface Modification for Dialysis Catheters	2017204870	12/14/2012		
049768.021884	Inactive	Canada	Surface Modification for Dialysis Catheters	2859180	12/14/2012		
049768.021887	Inactive	EP	SURFACE MODIFICATION FOR DIALYSIS CATHETERS	12856710.4	12/14/2012		
049768.021885	Inactive	Japan	Surface Modification for Dialysis Catheters	2014-547481	12/14/2012	6014164	9/30/2016
049768.021882	Inactive	PCT	Surface Modification for Dialysis Catheters	PCT/US2012/069716	12/14/2012		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
049768.021880	Inactive	U.S.	Surface Modification for Dialysis Catheters	61/570,809	12/14/2011		
049768.021904	Inactive	Canada	Surface Modified Contact Lenses	2858730	12/14/2012	2858730	7/18/2017
049768.021902	Inactive	PCT	Surface Modified Contact Lenses	PCT/US2012/069846	12/14/2012		
044774.023582	Inactive	China	Syringe with Selectable Indicia Contents	200710159647.9	9/29/2007		
044774.023583	Granted	EP	Syringe with Selectable Indicia of Contents	07843347.1	9/27/2007	2066370	2/18/2013
044774.023586	Inactive	France	Syringe with Selectable Indicia of Contents	07843347.1	9/27/2007	2066370	2/18/2013
044774.023587	Inactive	Germany	Syringe with Selectable Indicia of Contents	07843347.1	9/27/2007	2066370	2/18/2013
044774.023588	Inactive	Italy	Syringe with Selectable Indicia of Contents	07843347.1	9/27/2007	2066370	2/18/2013
044774.023581	Inactive	PCT	Syringe with Selectable Indicia of Contents	US07/79703	9/27/2007		
044774.023589	Inactive	Spain	Syringe with Selectable Indicia of Contents	07843347.1	9/27/2007	2066370	2/18/2013

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
044774.023580	Granted	U.S.	Syringe with selectable indicia of contents	11/541,280	9/29/2006	7,976,506	7/12/2011
044774.023585	Inactive	United Kingdom	Syringe with Selectable Indicia of Contents	07843347.1	9/27/2007	2066370	2/18/2013
091644.022045	Granted	Japan	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA AREA AND THE CAVOATRIAL JUNCTION	2015-511460	3/14/2013	6185048	8/4/2017
091644.022043	Inactive	PCT	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA AREA AND THE CAVOATRIAL JUNCTION	PCT/US2013/031556	3/14/2013		
091644.022040	Inactive	U.S.	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA AREA AND THE CAVOATRIAL JUNCTION	61/643,890	5/7/2012		
091644.022041	Inactive	U.S.	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA	61/649,196	5/18/2012		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
			AREA AND THE CAVOATRIAL JUNCTION				
091644.022042	Granted	U.S.	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA AREA AND THE CAVOATRIAL JUNCTION	13/829,650	3/14/2013	8,965,490	2/24/2015
040792.023764	Inactive	EP	Transcutaneous Devices and Kits that Provide Cues for Location or Insertion Site, Exit Site and Device Path, and Methods of Use	08835542.5	10/2/2008		
040792.023763	Inactive	Japan	Transcutaneous Devices and Kits that Provide Cues for Location or Insertion Site, Exit Site and Device Path, and Methods of Use	2010-527979	10/2/2008		
040792.023761	Inactive	PCT	Transcutaneous Devices and Kits that Provide Cues for Location or Insertion Site, Exit Site and Device Path, and Methods of Use	US08/11388	10/2/2008		
040792.023760	Inactive	U.S.	Transcutaneous Devices and Kits that Provide Cues for Location or Insertion Site, Exit Site and Device Path, and Methods of Use	60/997,400	10/3/2007		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
040792.023762	Inactive	U.S.	Transcutaneous Devices and Kits that Provide Cues for Location or Insertion Site, Exit Site and Device Path, and Methods of Use	12/733,997	6/15/2010		
091644.021705	Granted	U.S.	ULTRASOUND METHODS OF POSITIONING GUIDED VASCULAR ACCESS DEVICES IN THE VENOUS SYSTEM	11/430,511	5/8/2006	8,409,103	4/2/2013
091644.021704	Inactive	U.S.	ULTRASOUND SENSOR	11/431,093	5/8/2006		
044774.023584	Inactive	Canada	Universal Syringe	2,664,811	9/27/2007	2,664,811	10/21/2014
091644.021820	Inactive	U.S.	VARIABLE LENGTH ENDOVASCULAR DEVICES	61/023,179	1/24/2008		

SCHEDULE 1

PART B – TRADEMARKS AND TRADEMARK APPLICATIONS

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
04840003.00073	Pending	European Union	MANTA	017996123EU	12/04/2018		
04840003.00072	Registered	U.S.	MANTA	87702945	11/30/2017	5764558	05/28/2019
04840003.00100	Registered	U.S.	MANTA (Stylized)	88198176	11/18/2018	5823473	07/30/2019
04840003.00074	Abandoned	China	MANTA	35872747	01/11/2019		
04840003.00074	Abandoned	China	MANTA	40182528	08/07/2019		
04840003.00074	Pending	China	MANTA	51887228	12/04/2020		
04840003.00087	Pending	China	MANTA	56869150	6/11/2021		
04840003.00075	Registered	China	ESSENTIAL MEDICAL	35872748	1/7/2019		12/14/2019
040792.020012	Inactive	U.S.	(Heart-Shaped Disc in Tube of Catheter Design)	78408726	4/27/2004	3094945	5/23/2006
040792.020088	Registered	Argentina	(Yellow Catheter with Blue Tip Design)	2624115	1/22/1997	2288581	5/20/2009
040792.020153	Inactive	Canada	A1	1564480	2/16/2012		

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020152	Inactive	U.S.	A1	85544146	2/16/2012		
044869.020024	Inactive	China	AC (superscript 3) OPTIMUS	17451200	7/17/2015	17451200	9/14/2016
044869.020027	Registered	China	AC (superscript)3	17421860	7/14/2015	17421860	9/14/2016
044869.020170	Inactive	Australia	AC (superscript)3 OPTIMUS	1744410	1/5/2016		
044869.020177	Registered	Australia	AC3	1808979	11/14/2016	1808979	11/14/2016
044869.020178	Registered	Brazil	AC3	911925694	11/18/2016	911925694	7/31/2018
044869.020172	Registered	Canada	AC3	1809242	11/14/2016	1057025	10/1/2019
044869.020025	Inactive	Canada	AC3	1735832	7/6/2015		
044869.020174	Inactive	China	AC3	21912997	11/15/2016		
044869.020165	Registered	European Union	AC3	012486338	1/9/2014	012486338	6/3/2014
044869.020180	Registered	European Union	AC3	016042996	11/14/2016	016042996	4/5/2017
044869.020182	Registered	India	AC3	3414123	11/21/2016	3414123	11/21/2016
044869.020184	Registered	Mexico	AC3	1820775	11/14/2016	1732333	3/14/2017

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
044869.020186	Registered	New Zealand	AC3	1055106	11/14/2016	1055106	5/17/2017
044869.020157	Registered	U.S.	AC3	86103333	10/28/2013	5337766	11/21/2017
044869.006003	Registered	United Kingdom	AC3	012486338	1/9/2014	UK009012486338	6/3/2014
044869.006004	Registered	United Kingdom	AC3	016042996	11/14/2016	UK009016042996	4/5/2017
044869.020176	Registered	Australia	AC3 OPTIMUS	1808982	11/14/2016	1808982	11/14/2016
044869.020179	Registered	Brazil	AC3 OPTIMUS	911925724	11/18/2016	911925724	7/31/2018
044869.020168	Inactive	Brazil	AC3 OPTIMUS	910488282	1/7/2016		
044869.020173	Registered	Canada	AC3 OPTIMUS	1809243	11/14/2016	1057033	10/1/2019
044869.020021	Inactive	Canada	AC3 OPTIMUS	1735281	6/30/2015		
044869.020175	Registered	China	AC3 OPTIMUS	21913137	11/15/2016	21913137	12/28/2017
044869.020023	Registered	European Union	AC3 OPTIMUS	014309264	6/30/2015	014309264	11/18/2015
044869.020169	Inactive	India	AC3 OPTIMUS	3154106	1/8/2016		
044869.020183	Registered	India	AC3 OPTIMUS	3414122	11/21/2016	3414122	11/21/2016

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
044869.020169	Inactive	India	AC3 OPTIMUS	3154106	1/8/2016		
044869.020171	Registered *** To Be Abandoned	New Zealand	AC3 OPTIMUS	1035096	1/5/2016	1035096	7/6/2016
044869.020187	Registered	New Zealand	AC3 OPTIMUS	1055107	11/14/2016	1055107	5/17/2017
044869.024172	Registered	U.S.	AC3 OPTIMUS	87881888	4/18/2018	5550990	8/28/2018
044869.006002	Registered	United Kingdom	AC3 OPTIMUS	014309264	6/30/2015	UK009014309264	11/18/2015
044869.020020	Inactive	U.S.	AC3 OPTIMUS	86677623	6/29/2015		
044869.020022	Registered	Mexico	AC3 OPTIMUS (& Design)	1641147	8/4/2015	1587028	11/4/2015
040792.020036	Inactive	U.S.	ACAT	75501898	6/15/1998	2337394	4/4/2000
040792.020095	Registered	U.S.	AERO	78658042	6/24/2005	3868753	10/26/2010
040792.020025	Registered	U.S.	AGB+	75794477	9/8/1999	2520879	12/18/2001
040792.020008	Registered	U.S.	AI (& Design)	78377487	3/3/2004	3529007	11/4/2008
040792.020117	Inactive	U.S.	A-PORT	73661768	5/19/1987	1691316	6/9/1992
040792.020080	Registered	U.S.	ARMORGLIDE	74503824	3/17/1994	1900520	6/20/1995

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
40792.020084	Registered	Argentina	ARROW	4035189	6/16/1998	2467322	10/3/2011
040792.020046	Inactive	Argentina	ARROW	1.889.399	8/23/1993	1.817.843	2/5/2001
040792.020053	Registered	Australia	ARROW	393140	6/23/1983	A393140	6/23/1983
040792.020035	Registered	Austria	ARROW	135672	1/30/1991	135672	4/26/1991
040792.020109	Inactive	Benelux	ARROW	N/A	10/1/2004	764160	4/11/2005
040792.020047	Registered	Brazil	ARROW	817712305	3/3/1994	817712305	11/23/1999
040792.020092	Registered	Canada	ARROW	505561	6/21/1983	296364	10/26/1984
40792.02027	Pending	Chile	ARROW	1473496	9/3/2021		
040792.020029	Registered	China	ARROW	1139265	11/20/1996	1139265	12/28/1997
040792.020037	Registered	Colombia	ARROW	94006232	2/17/1994	161948	5/31/1994
040792.020052	Registered	Costa Rica	ARROW	N/A	1/19/1994	87259	6/8/1994
040792.020051	Inactive	Czechia	ARROW	81548	7/27/1993	184335	4/19/1995
040792.020062	Registered	Denmark	ARROW	VA 1983 02767	6/7/1983	VR 1984 03785	11/2/2004
040792.021012	Registered	European Union	ARROW	009959214	5/11/2011	009959214	10/17/2011
040792.020030	Inactive	France	ARROW	669/380	6/30/1983	1239862	6/30/1983

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020060	Inactive	Germany	ARROW	A37140	6/3/1983	1070300	11/13/1984
040792.020158	Registered	Indonesia	ARROW	D002011010385	3/17/2011	IDM000550621	10/31/2016
040792.020015	Inactive	Indonesia	ARROW	12,419/93	10/16/1993	329,673	2/14/1997
040792.020016	Registered	Israel	ARROW	88460	8/5/1993	88460	4/4/1997
040792.020049	Registered	Japan	ARROW	2003-050876	6/19/2003	4909865-2	11/18/2005
040792.020017	Registered	Mexico	ARROW	184,107	11/25/1993	475925	10/4/1994
040792.020093	Registered	Norway	ARROW	831794	6/2/1983	127265	12/5/1986
040792.020100	Registered	Peru	ARROW	099159-2000	1/17/2000	00063568	5/24/2000
040792.020169	Registered	Philippines	ARROW	4-2015-000058	1/5/2015	4-2015-00000058	6/11/2015
040792.020018	Inactive	Philippines	ARROW	4-1993-89810	12/9/1993	4-1993-089810	12/5/2004
040792.020038	Inactive	Poland	ARROW	2-124249	8/20/1993	84333	8/9/1995
040792.020050	Inactive	Portugal	ARROW	294,185	8/23/1993	294185	12/27/2004
040792.020041	Registered	Russian Federation	ARROW	93-041612150	8/25/1993	130936	8/25/1993
040792.020042	Registered	Singapore	ARROW	T93/05583B	7/22/1993	T93/05583B	10/30/1999
040792.020059	Inactive	Slovakia	ARROW	1286-1993	7/30/1993	178096	10/21/1997

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020019	Registered	South Africa	ARROW	936212	7/22/1993	1993/06212	5/13/1997
040792.020020	Registered	South Korea	ARROW	93-26724	7/29/1993	312439	4/28/1995
040792.020091	Inactive	Sweden	ARROW	836690	2/1/1995	194560	2/1/1995
040792.020024	Registered	Switzerland	ARROW	494/1991.0	1/24/1991	388.300	1/16/1992
040792.020023	Registered	Taiwan	ARROW	82037677	8/2/1993	668304	1/16/1997
040792.099999	Inactive	Thailand	ARROW	253317	10/7/1993		
040792.020031	Registered	U.S.	ARROW	75318727	7/2/1997	2176791	7/28/1998
040792.020077	Registered	U.S.	ARROW	73420836	4/11/1983	1315592	1/22/1985
040792.006006	Registered	United Kingdom	ARROW	009959214	5/11/2011	UK009009959214	10/17/2011
040792.020021	Registered	Venezuela	ARROW	1990-012298	9/27/1989	F-156475	3/18/1994
040792.021060	Inactive	U.S.	ARROW CHLORAG+ARD	87717126	12/12/2017		
040792.020258	Pending	Canada	ARROW CLEARCLOT	1950463	3/8/2019		
040792.020266	Registered	Russian Federation	ARROW EDGE	2020724744	5/18/2020	776157	9/22/2020

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020055	Registered	U.S.	ARROW EDGE	78419839	5/17/2004	3074561	3/28/2006
040792.020096	Registered	China	ARROW INTERNATIONAL	1511200	6/1/1999	1511200	1/21/2001
040792.020107	Registered	India	ARROW INTERNATIONAL	1453463	5/10/2006	1453463	3/17/2011
040792.020114	Inactive	Japan	ARROW SAKURA (in Roman & Katakana Characters)	2007-89518	8/17/2007		
040792.020056	Registered	U.S.	ARROW SIMPLICITY	78419848	5/17/2004	3592949	3/17/2009
040792.020147	Inactive	U.S.	ARROWADVANTAGE5	85399425	8/16/2011	4235041	10/30/2012
040792.021019	Inactive	U.S.	ARROWASSURE	85377313	7/21/2011		
040792.020151	Registered	Canada	ARROWENDURANCE	1564479	2/16/2012	TMA999900	6/27/2018
040792.020150	Inactive	U.S.	ARROWENDURANCE	85544145	2/16/2012	4837026	10/20/2015
040792.020150	Inactive	U.S.	ARROWENDURANCE	85544145	2/16/2012	4837026	10/20/2015
040792.020130	Inactive	Canada	ARROWEVOLUTION	1483919	6/7/2010		
040792.020129	Inactive	European Union	ARROWEVOLUTION	009154337	6/4/2010	009154337	11/15/2010
040792.020127	Inactive	U.S.	ARROWEVOLUTION	85045031	5/21/2010		

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020032	Registered	U.S.	ARROW-FLEX	74396350	6/1/1993	1837796	5/31/1994
040792.020242	Registered	China	ARROWG+ARD	37369084	4/9/2019	37369084	1/7/2020
040792.020033	Registered	U.S.	ARROWG+ARD	74657460	4/7/1995	2146598	3/24/1998
040792.099999	Inactive	U.S.	ARROWG+ARD	74706477	7/27/1995	2053471	7/27/1995
040792.020085	Registered	Argentina	ARROWG+ARD (Stylized)	3065562	6/16/1998	2467330	10/3/2011
040792.020244	Registered	China	ARROWG+ARD BLUE	37369082	4/9/2019	37369082	1/14/2020
040792.020264	Registered	Russian Federation	ARROWG+ARD BLUE	2020724743	5/18/2020	78035	10/19/2020
040792.099999	Inactive	European Union	ARROWG+ARD BLUE	427294	11/28/1996	427294	11/10/1998
040792.020232	Registered	U.S.	ARROWG+ARD BLUE	87618587	9/22/2017	5604469	11/13/2018
040792.099999	Inactive	U.S.	ARROWG+ARD BLUE	74396392	6/1/1993	1887869	4/4/1995
040792.020115	Registered	European Union	ARROWG+ARD BLUE (& Design)	006167878	8/3/2007	006167878	7/3/2008
040792.020022	Registered	Germany	ARROWG+ARD BLUE (& Design)	39845416	8/11/1998	39845416	12/7/1998

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020013	Inactive	European Union	ARROWG+ARD BLUE (& Design)	000427294	11/28/1996	000427294	11/10/1998
040792.020058	Registered	U.S.	ARROWG+ARD BLUE (& Design)	78433655	6/11/2004	2981152	8/2/2005
040792.006000	Registered	United Kingdom	ARROWG+ARD BLUE (& Design)	006167878	8/3/2007	UK009006167878	7/3/2008
040792.020239	Registered	Argentina	ARROWG+ARD BLUE ADVANCE	3727013	7/24/2018	3020362	9/23/2019
040792.020236	Registered	Brazil	ARROWG+ARD BLUE ADVANCE	915069822	7/20/2018	915069822	7/2/2019
040792.020233	Registered	Canada	ARROWG+ARD BLUE ADVANCE	1879341	1/24/2018	TMA1051768	8/29/2019
040792.020246	Registered	China	ARROWG+ARD BLUE ADVANCE	37369080	4/9/2019	37369080	1/14/2020
040792.020238	Registered	Colombia	ARROWG+ARD BLUE ADVANCE	SD2018/0059200	7/19/2018	612753	1/24/2019
040792.020234	Registered	European Union	ARROWG+ARD BLUE ADVANCE	017733891	1/24/2018	017733891	5/24/2018
040792.020237	Registered	Mexico	ARROWG+ARD BLUE ADVANCE	2078029	7/20/2018	1935807	10/17/2018

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020235	Registered	U.S.	ARROWG+ARD BLUE ADVANCE	87769649	1/25/2018	5869087	9/24/2019
040792.006005	Registered	United Kingdom	ARROWG+ARD BLUE ADVANCE	017733891	1/24/2018	UK009017733891	5/24/2018
040792.020243	Registered	China	ARROWG+ARD BLUE PLUS	37369083	4/9/2019	37369083	1/7/2020
040792.020043	Registered	U.S.	ARROWG+ARD BLUE PLUS	75508175	6/19/1998	2527850	1/8/2002
040792.020044	Registered	U.S.	ARROWG+ARD BLUE PLUS	76288730	7/23/2001	2597774	7/23/2002
040792.020118	Inactive	U.S.	ARROWHEAD	78269625	7/2/2003	3151517	10/3/2006
044781.020187	Registered	Australia	ARROWLOCK	1769059	5/5/2016	1769059	5/5/2016
044781.020188	Registered	Brazil	ARROWLOCK	910991022	5/5/2016	910991022	4/3/2018
044781.020189	Registered	Canada	ARROWLOCK	1780446	5/3/2016	1048963	8/14/2019
044781.020190	Registered	China	ARROWLOCK	19883638	5/6/2016	19883638	6/28/2017
044781.020191	Registered	European Union	ARROWLOCK	015405046	5/3/2016	015405046	9/5/2016
044781.020192	Registered	Japan	ARROWLOCK	2016-50261	5/9/2016	5896535	11/11/2016

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
044781.020193	Registered	Mexico	ARROWLOCK	1743139	5/4/2016	1660701	8/1/2016
044781.006006	Registered	United Kingdom	ARROWLOCK	015405046	5/3/2016	UK009015405046	9/5/2016
044781.020186	Inactive	U.S.	ARROWLOCK	87019360	4/29/2016		
040792.021018	Inactive	U.S.	ARROWPRESERV	85377312	7/21/2011		
040792.099999	Inactive	U.S.	AUTO PILOT	76043782	5/8/2000		
040792.020064	Registered	U.S.	AUTOCAT	75793700	9/8/1999	2717704	5/20/2003
040792.020251	Registered	China	AUTOCAT2WAVE	37369077	4/9/2019	37369077	1/14/2020
040792.020011	Registered	U.S.	AUTOCAT2WAVE	78408833	4/27/2004	3031561	12/20/2005
040792.020261	Registered	China	AUTOCAT3WAVE	39791510	7/19/2019	39791510	4/14/2020
044869.020001	Registered	U.S.	AUTOPILOT	85561308	3/6/2012	4210039	9/18/2012
040792.020098	Registered	Argentina	BLUE FLEXTIP	2824117	12/23/1996	3103889	5/20/2009
040792.020097	Registered	Australia	BLUE FLEXTIP	725899	1/15/1997	725899	10/20/1997
040792.020026	Registered	Germany	BLUE FLEXTIP	A54156	3/10/1993	2038342	7/15/1993
040792.020263	Registered	Russian Federation	BLUE FLEXTIP	2020724742	5/18/2020	785488	11/25/2020

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020099	Inactive	European Union	BLUE FLEXTIP	000409326	11/22/1996	000409326	10/26/1998
040792.020079	Registered	U.S.	BLUE FLEXTIP	73788521	3/23/1989	1668396	12/17/1991
040792.020271	Registered	United Kingdom	BLUE FLEXTIP	UK00918281892	7/31/2020	UK00918281892	12/15/2020
040792.020248	Inactive	China	CANNON	37369078	4/9/2019		
040792.020265	Pending	Russian Federation	CANNON	2020725869	5/22/2020		
040792.020005	Registered	U.S.	CANNON	78432296	6/9/2004	3049017	1/24/2006
040792.020257	Registered	China	CARDIOTHANE	37369073	4/9/2019	37369073	12/21/2019
040792.099999	Inactive	Thailand	CARDIOTHANE	89893/94	9/9/1994		
040792.020146	Registered	U.S.	CARDIOTHANE	85394739	8/10/2011	4145704	5/22/2012
040792.020254	Registered	China	CATH-GARD	37369075	4/9/2019	37369075	12/21/2019
040792.020102	Registered	U.S.	CATH-GARD	78571706	2/21/2005	3167527	11/7/2006
040792.020132	Registered	Canada	CHLORAG+ARD	1483928	6/7/2010	848026	4/9/2013
040792.020131	Inactive	European Union	CHLORAG+ARD	009155037	6/7/2010	009155037	11/19/2010

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020128	Inactive	U.S.	CHLORAG+ARD	85045038	5/21/2010	4071394	12/13/2011
040792.020223	Inactive	Canada	CLEARCLOT	1820353	1/30/2017		
040792.020226	Registered	China	CLEARCLOT	25443874	7/21/2017	25443874	8/21/2018
040792.020229	Inactive	India	CLEARCLOT	3592549	7/17/2017		
040792.020227	Registered	Japan	CLEARCLOT	201796765	7/20/2017	6016792	2/2/2018
040792.020231	Inactive	New Zealand	CLEARCLOT	1071554	7/14/2017		
040792.020228	Inactive	South Korea	CLEARCLOT	40201794300	7/26/2017		
040792.020224	Inactive	European Union	CLEARCLOT	016297798	1/30/2017		
040792.020225	Inactive	U.S.	CLEARCLOT	87314707	1/26/2017		
040792.020003	Inactive	U.S.	CORAIDE	78408793	4/27/2004	3252242	6/12/2007
040792.099999	Inactive	U.S.	DIATEK	75810886	9/29/1999	2840507	5/11/2004
040792.099999	Inactive	U.S.	DUOFLEXDUOP FLEX	73180979	8/4/1978	1140687	10/21/1980
040792.020245	Inactive	China	EZ-CONNECT	37369081	4/9/2019		
040792.020010	Registered	U.S.	FIBEROPTIX	78433678	6/11/2004	3099491	5/30/2006

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020111	Inactive	U.S.	FIRST, DO NO HARM	77157330	4/16/2007		
040792.020112	Inactive	U.S.	FIRST, DO NO HARM	78754161	11/15/2005		
040792.020140	Registered	Canada	FLEXBLOCK	1512147	1/21/2011	TMA876134	4/22/2014
040792.020139	Registered	European Union	FLEXBLOCK	009678095	1/21/2011	009678095	6/3/2011
040792.020141	Registered	U.S.	FLEXBLOCK	85222914	1/21/2011	4301883	3/12/2013
040792.006002	Inactive	United Kingdom	FLEXBLOCK	9678095	1/21/2011	UK009009678095	6/3/2011
040792.099999	Inactive	U.S.	FLEXI-CATH	74065997	6/5/1990	1766631	4/20/1993
044781.020135	Inactive	Canada	FLEXTIP	1500975	10/25/2010		
040792.020134	Inactive	European Union	FLEXTIP	009469644	10/25/2010	009469644	12/26/2013
044781.020133	Inactive	U.S.	FLEXTIP	85159082	10/22/2010	4502027	3/25/2014
040792.020045	Registered	U.S.	FLEXTIP PLUS	74396331	6/1/1993	1936297	11/21/1995
040792.021020	Registered	U.S.	GLIDETHRU	85377307	7/21/2011	4317849	4/9/2013
044869.020012	Registered	Canada	GPSCATH	1606131	12/11/2012	887707	10/8/2014

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
044869.020011	Registered	European Union	GPSCATH	011414364	12/11/2012	011414364	5/9/2013
044869.020010	Inactive	U.S.	GPSCATH	85077625	7/2/2010	4016965	8/23/2011
044869.006000	Registered	United Kingdom	GPSCATH	011414364	12/11/2012	UK009011414364	5/9/2013
044869.020010	Inactive	U.S.	GPSCATH	85077625	7/2/2010	4016965	8/23/2011
040792.020075	Registered	U.S.	HANDS-OFF	73714495	3/3/1988	1520722	1/17/1989
040792.020124	Registered	Canada	HEMOHOPPER	1425565	1/26/2009	767340	5/19/2010
040792.020125	Registered	European Union	HEMOHOPPER	007549413	1/26/2009	007549413	12/24/2009
040792.020122	Registered	U.S.	HEMOHOPPER	77654799	1/22/2009	3775970	4/13/2010
040792.006001	Registered	United Kingdom	HEMOHOPPER	007549413	1/26/2009	UK009007549413	12/24/2009
040792.020073	Inactive	U.S.	HEMOSOFT	76338144	11/15/2001	2618072	9/10/2002
040792.020006	Inactive	U.S.	HEMOSONIC	78374280	2/26/2004	3234222	4/24/2007
040792.020108	Inactive	U.S.	INVIEW	78957618	8/22/2006	3413460	4/15/2008
040792.099999	Inactive	U.S.	KAAT II PLUS	74675084	5/17/1995	2022592	12/10/1996

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.099999	Inactive	U.S.	LEVELIT				
040792.020090	Registered	Argentina	Light Blue Catheter (& Dark Blue Tip Design)	2824116	1/22/1997	2288580	5/20/2009
040792.020048	Inactive	U.S.	LIONHEART	78075114	7/23/2001	2885023	9/14/2004
040792.099999	Inactive	U.S.	LIONHEART	75623180	1/20/1990		
040792.099999	Inactive	U.S.	L-PORT	74655930	4/4/1995	2074287	6/24/1997
040792.099999	Inactive	U.S.	MAGNAFLOW	75100614	5/3/1996	2232569	3/16/1999
040792.099999	Inactive	U.S.	MAK SLEEVE	74194270	8/13/1991	1812826	12/21/1993
040792.020113	Registered	U.S.	MYDIALSISCARE.COM	77171668	5/3/2007	3355955	12/18/2007
040792.020057	Inactive	U.S.	NARROWFLEX	78424030	5/24/2004	3111189	7/4/2006
040792.020007	Inactive	U.S.	NEO CARE	78373028	2/24/2004	2963311	6/21/2005
040792.020002	Inactive	U.S.	NEO CARE (Stylized)	75201800	11/18/1996	2119660	12/9/1997
040792.020105	Inactive	U.S.	NEO PICC	78764440	12/1/2005	3306683	10/9/2007
040792.020267	Registered	Russian Federation	NEXTSTEP	2020724747	5/18/2020	779056	10/12/2020
040792.020110	Registered	U.S.	NEXTSTEP	77023552	10/10/2006	3595291	3/24/2009

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.099999	Inactive	U.S.	PERFECTPICC	78567583	2/15/2005		
040792.020078	Registered	U.S.	PLEURA-SEAL	73643513	2/9/1987	1454099	8/25/1987
040792.099999	Inactive	U.S.	PORTAMOUNT	74346081	1/6/1993	1912381	8/15/1995
040792.099999	Inactive	U.S.	POWERED BY INNOVATION	75512256	6/26/1998		
040792.020167	Inactive	U.S.	PRECISION				
040792.020106	Registered	U.S.	PROACTIVE COUNTERPULSATION	78835469	3/13/2006	3332225	11/6/2007
040792.020040	Registered	U.S.	PTD	75276938	4/18/1997	2559041	4/9/2002
040792.020069	Registered	U.S.	QUICKFLASH	74407501	6/30/1993	1866314	12/6/1994
040792.020255	Registered	China	REDIGUARD	37369074	4/9/2019	37369074	12/21/2019
040792.020270	Registered	European Union	REDIGUARD	018382973	1/25/2021	018382973	5/20/2021
040792.020269	Registered	U.S.	REDIGUARD	77078180	1/8/2007	3293315	9/20/2007
040792.020272	Registered	United Kingdom	REDIGUARD	UK00003599156	2/22/2021	UK00003599156	6/25/2021
040792.099999	Inactive	U.S.	REDIGUARD	74262477	4/3/1992	1817396	1/18/1994

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020066	Registered	U.S.	RIC	74396401	6/1/1993	1837364	5/24/1994
040792.021023	Registered	Canada	SECONDSITE	1544680	9/22/2011	880919	6/27/2014
040792.020166	Registered	U.S.	SECONDSITE	85429397	9/22/2011	4415319	10/8/2013
040792.020034	Registered	U.S.	SHARPSAWAY	74396348	6/1/1993	1836685	5/17/1994
040792.020068	Registered	U.S.	SLIC	74560342	8/12/1994	1914745	5/29/1995
040792.021013	Inactive	U.S.	SMART CATHETER	85265074	3/11/2011		
040792.020104	Registered	U.S.	SMARTSEAL	78635280	5/23/2005	3240574	5/8/2007
040792.020126	Registered	U.S.	SNAPTEAR	77815276	8/28/2009	3901549	1/4/2011
040792.020241	Registered	China	STIMUCATH	37369085	4/9/2019	37369085	12/21/2019
040792.020028	Registered	U.S.	STIMUCATH	76041431	5/5/2000	2711737	4/29/2003
040792.020120	Registered	Canada	STIMUPOD	1416780	11/3/2008	791432	2/23/2011
040792.020121	Inactive	Canada	STIMUPOD	1,416,780	11/3/2008		
040792.020119	Inactive	U.S.	STIMUPOD	77605235	10/31/2008		
040792.020154	Inactive	U.S.	STIMUPOD	85646839	6/8/2012		
040792.020240	Registered	China	STIMUQUIK	37369086	4/9/2019	37369086	12/21/2019

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020004	Registered	U.S.	STIMUQUIK	78367551	2/13/2004	3046882	1/17/2006
040792.020149	Inactive	U.S.	STOP CLABSI				
040792.020083	Registered	U.S.	SUPER ARROW-FLEX	78508256	10/29/2004	3028607	12/13/2005
040792.020123	Registered	U.S.	SUREBLOCK	77653263	1/21/2009	3773048	4/6/2010
040792.020259	Registered	U.S.	TAPERFREE	88379833	4/10/2019	6161317	9/29/2020
040792.020145	Inactive	U.S.	TAPERFREE	85375105	7/19/2011	4359384	6/25/2013
040792.020072	Registered	U.S.	THE COLOR BLUE AND YELLOW FOR CATHETERS TIP (& Blue and Body Design)	75245595	2/18/1997	2208091	12/8/1998
040792.020086	Registered	France	THE COLOR BLUE FOR CATHETER TIPS	97660796	1/2/1997	97660796	1/27/1997
040792.020089	Registered	France	THE COLOR BLUE FOR CATHETER TIPS (Darker Blue) AND BODIES	97660798	1/27/1997	97660798	1/27/1997
040792.020087	Registered	France	THE COLOR BLUE FOR CATHETERS (& Tip and Body Design)	97660797	1/27/1997	97660797	1/27/1997

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020071	Registered	U.S.	THE COLOR BLUE FOR CATHETERS (& Tip and Body Design)	75215973	12/19/1996	2875842	8/24/2004
040792.020076	Registered	U.S.	THE COLOR BLUE FOR CATHETERS TIP (& Dark Blue and Body Design)	75245594	2/18/1997	2213772	12/29/1998
040792.020074	Registered	U.S.	THE COLOR BLUE FOR CATHETERS TIP (Design)	75215972	12/19/1996	2213729	12/29/1998
040792.021014	Inactive	U.S.	THE SMART CATHETER COMANY				
040792.020067	Registered	U.S.	THERACATH	74396349	6/1/1993	1837795	5/31/1994
040792.099999	Inactive	U.S.	THERMO-PACE	74019201	1/16/1990	1680769	3/24/1992
040792.099999	Inactive	U.S.	THERMOSTAT 900	74609839	12/12/1994		
040792.020220	Registered	U.S.	TIGHTTRACK	87163181	9/7/2016	5932351	12/10/2019
040792.099999	Inactive	U.S.	TRANSACT	74352821	1/27/1993	1881356	2/28/1995
040792.099999	Inactive	U.S.	TRUETORQUE	74500623	3/15/1994	1893048	5/9/1995
040792.020070	Registered	U.S.	TWIN CATH	73701614	12/18/1987	1497571	7/26/1988

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020027	Registered	U.S.	ULTRA 8	75931900	2/29/2000	2541455	2/19/2002
040792.099999	Inactive	U.S.	ULTRAFLEX	78090346	10/26/2001		
044869.020000	Inactive	U.S.	ULTRAFLEX	85562589	3/7/2012		
040792.020137	Registered	Canada	ULTRAQUIK	1512146	1/21/2011	878306	5/21/2014
044781.020198	Registered	China	ULTRAQUIK	37369079	4/9/2019	37369079	12/21/2019
044781.020138	Registered	European Union	ULTRAQUIK	009681636	1/24/2011	009681636	3/20/2012
044781.020136	Registered	U.S.	ULTRAQUIK	85179681	11/18/2010	4347136	6/4/2013
044781.006003	Inactive	United Kingdom	ULTRAQUIK	009681636	1/24/2011	UK009009681636	3/20/2012
044781.006003	Inactive	United Kingdom	ULTRAQUIK	009681636	1/24/2011	UK009009681636	3/20/2012
040792.020252	Registered	China	USERGARD	37369076	4/9/2019	37369076	12/21/2019
040792.020065	Registered	U.S.	USERGARD	74396394	6/1/1993	1903486	7/4/1995
091644.020005	Inactive	European Union	VASONOVA	008469082	8/3/2009	008469082	1/31/2010
091644.020001	Inactive	U.S.	VASONOVA	77683946	5/5/2009	4171998	7/10/2012

Atty Dkt. No.	Status	Country	Trademark	Trademark Appln. No.	Filing Date	Trademark Reg. No.	Reg. Date.
040792.020148	Registered	U.S.	VESSEL HEALTH AND PRESERVATION	85420218	9/12/2011	4119855	3/27/2012
044869.020015	Registered	European Union	VISIOVALVE	011415197	12/11/2012	011415197	5/9/2013
044869.020008	Registered	U.S.	VISIOVALVE	85052298	6/1/2010	4874583	12/22/2015
044869.006001	Registered	United Kingdom	VISIOVALVE	011415197	12/11/2012	UK009011415197	5/9/2013
091644.020009	Registered	European Union	V-POD	010452084	11/29/2011	010452084	5/2/2012
091644.006000	Registered	United Kingdom	V-POD	010452084	11/29/2011	UK009010452084	5/2/2012
091644.020004	Registered	U.S.	VPS	77679067	2/26/2009	3842463	8/31/2010
091644.020011	Registered	European Union	VPS-POD	010452365	11/29/2011	010452365	5/2/2012
091644.006001	Registered	United Kingdom	VPS-POD	010452365	11/29/2011	UK009010452365	5/2/2012
040792.020009	Registered	U.S.	WAVE	78430895	6/7/2004	3031625	12/20/2005
040792.099999	Inactive	U.S.	YOU-BEND	75054705	2/7/1996		