

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8381145

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TELEFLEX LIFE SCIENCES LIMITED	12/11/2023
RECEIVING PARTY DATA	
Name:	TELEFLEX LIFE SCIENCES III LLC
Street Address:	251 LITTLE FALLS DRIVE
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 80	
Property Type	Number
Patent Number:	8246585
Patent Number:	8758427
Patent Number:	9351736
Patent Number:	7981091
Patent Number:	8048032
Patent Number:	8142413
Patent Number:	8292850
Patent Number:	RE45380
Patent Number:	RE45760
Patent Number:	RE45776
Patent Number:	RE46116
Patent Number:	RE47379
Application Number:	16184706
Application Number:	16220925
Application Number:	16220951
Application Number:	16220975
Application Number:	16220996
Patent Number:	8252022
Patent Number:	8083690
Patent Number:	8523824

Property Type	Number
Patent Number:	8298215
Patent Number:	7763012
Patent Number:	9561893
Patent Number:	10377520
Patent Number:	10882654
Patent Number:	11279510
Patent Number:	10729454
Patent Number:	10391282
Patent Number:	10159821
Patent Number:	9968763
Patent Number:	10864355
Application Number:	17093873
Patent Number:	9522253
Patent Number:	9351747
Patent Number:	10390849
Patent Number:	9636477
Patent Number:	10835283
Application Number:	17061025
Patent Number:	10456160
Patent Number:	10974028
Application Number:	17201810
Patent Number:	9943314
Patent Number:	10016188
Patent Number:	10722225
Application Number:	17873859
Patent Number:	10071181
Patent Number:	10179188
Patent Number:	11116867
Patent Number:	10065331
Patent Number:	9782561
Patent Number:	10806665
Patent Number:	10881851
Patent Number:	10173052
Patent Number:	10758725
Patent Number:	11420046
Application Number:	17811892
Application Number:	18447504
Patent Number:	10245050

Property Type	Number
Patent Number:	10751514
Patent Number:	11712544
Patent Number:	10238834
Patent Number:	11160952
Application Number:	17843687
Patent Number:	10722252
Patent Number:	11027102
Patent Number:	11660425
Patent Number:	11511086
Application Number:	17936907
Application Number:	17425068
Patent Number:	11524142
Patent Number:	10946177
Patent Number:	10953197
Patent Number:	10945959
Patent Number:	11752307
Application Number:	17412316
Patent Number:	10173029
Application Number:	17672472
Application Number:	18067882
Application Number:	18412217
Application Number:	63479612

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: TELEFLEX INCORPORATED

Address Line 1: 6464 SYCAMORE COURT NORTH

Address Line 2: C/O INTELLECTUAL PROPERTY DEPARTMENT

Address Line 4: MINNEAPOLIS, MINNESOTA 55369

ATTORNEY DOCKET NUMBER:	PROJECT Y (VSLLC 10F2)
NAME OF SUBMITTER:	JULIE WANG
SIGNATURE:	/JULIE WANG/
DATE SIGNED:	01/15/2024

Total Attachments: 178

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CONFIRMATORY INTELLECTUAL PROPERTY ASSIGNMENT

THIS CONFIRMATORY INTELLECTUAL PROPERTY ASSIGNMENT is made as of December 11, 2023 (the **Assignment**)

BETWEEN

- (1) **Teleflex Life Sciences Limited**, a company incorporated in Malta (company registration no. C94305) whose registered office is at 171, Old Bakery Street, Valletta VLT 1455, Malta (the **Assignor**); and
- (2) **Teleflex Life Sciences III LLC**, a Delaware limited liability company, having its registered address at 251 Little Falls Drive, Wilmington, Delaware 19808, registered with the Delaware Secretary of State, under number 2668641 (the **Assignee**)

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

WHEREAS

- A. The Assignor has assigned and transferred the Intellectual Property Rights (as defined below) to the Assignee, and the Assignee has accepted such assignment and transfer as of the date of this Assignment.
- B. 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 in this Assignment:

Intellectual Property Rights means the intellectual property rights set out in Schedule 1, Schedule 2 and Schedule 3.

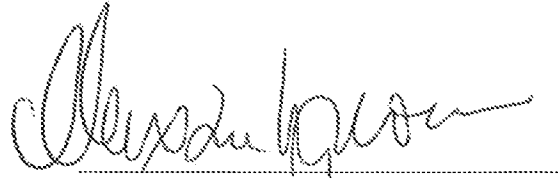
2. In consideration of adequate arm's length consideration (the receipt and sufficiency of which the Assignor expressly acknowledges), the Assignor hereby confirms the assignment and transfer to the Assignee exclusively of all its rights, title and interest in and to all the Intellectual Property Rights, which assignment and transfer the Assignee has accepted.
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 and exclusive 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 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. Assignor hereby authorizes and requests all applicable authorities or registrars to record and register Assignee as the owner of the Intellectual Property Rights, and to issue any and all registrations, amended registrations and renewals that have been or may be granted upon any application or petition for the same, to Assignee. Assignee shall have the right to record this Assignment, if necessary, with all applicable authorities and registrars so as to perfect ownership of the Intellectual Property Rights.
5. 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.
6. If any provision or part-provision of this Assignment is invalid, illegal or unenforceable, the parties shall negotiate in good faith to amend such provision so that, as amended, it is legal, valid and enforceable, and, to the greatest extent possible, achieves the intended commercial result of the original provision.
7. 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, United States.
8. No variation of this Assignment shall be effective unless it is in writing and signed by the Parties (or their authorised representatives).
9. The Parties irrevocably agree that the courts of Delaware, United States 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.
10. This Assignment may be executed in any number of counterparts and by the Parties to it 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.
11. 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 on the date shown at the beginning of this Assignment.

Teleflex Life Sciences Limited


Mikhail Kryukov, Director

Teleflex Life Sciences III LLC


Matthew Howald, Manager

SCHEDULE 1

ARROW

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	Issued	EP	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	11793097.4	6/8/2011	2579788	1/11/2023
EMI-0001-DEEP	Issued	Germany	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	11793097.4	6/8/2011	2579788	1/11/2023
EMI-0001-FREP	Issued	France	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	11793097.4	6/8/2011	2579788	1/11/2023
EMI-0001-GBEP	Issued	United Kingdom	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	11793097.4	6/8/2011	2579788	1/11/2023
EMI-0001-NLEP	Issued	Netherlands	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	11793097.4	6/8/2011	2579788	1/11/2023
EMI-0001-EP02	Pending	EP	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	22211522.2	6/8/2011		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0001-HKEP2	Pending	Hong Kong	SELF-LOCKING CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	42023073225.7	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 PERCUTANEOUSLY SEALING PUNCTURES	15/813,831	11/15/2017	10835224	11/17/2020
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		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0002-CHEP	Issued	Switzerland	SURGICALLY PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-CHEP4	Issued	Switzerland	SURGICALLY PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012	3871612	3/8/2023
EMI-0002-DEEP	Issued	Germany	SURGICALLY PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-DEEP2	Issued	Germany	SURGICALLY PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-DEEP3	Issued	Germany	SURGICALLY PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-DEEP4	Issued	Germany	SURGICALLY PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012	3871612	3/8/2023
EMI-0002-EP01	Issued	EP	SURGICALLY PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-EP02	Issued	EP	SURGICALLY 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-EP03	Issued	EP	SURGICALLY PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-EP04	Issued	EP	SURGICALLY PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012	3871612	3/8/2023
EMI-0002-EP05	Pending	EP	SURGICALLY PERCUTANEOUSLY PUNCTURES	23153276.3	10/25/2012		
EMI-0002-FREP	Issued	France	SURGICALLY PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-FREP2	Issued	France	SURGICALLY PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-FREP4	Issued	France	SURGICALLY PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012	3871612	3/8/2023
EMI-0002-GBEP	Issued	United Kingdom	SURGICALLY PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-GBEP2	Issued	United Kingdom	SURGICALLY 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 PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-GREP4	Issued	United Kingdom	SURGICALLY PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012	3871612	3/8/2023
EMI-0002-HKEP4	Issued	Hong Kong	SURGICALLY PERCUTANEOUSLY PUNCTURES	42021040828.2	10/25/2012	40052174	5/25/2023
EMI-0002-IEEP2	Issued	Ireland	SURGICALLY PERCUTANEOUSLY PUNCTURES	16177200.9	10/25/2012	3092953	8/28/2019
EMI-0002-LIEP4	Issued	Liechtenstein	SURGICALLY PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012	3871612	3/8/2023
EMI-0002-NLEP	Issued	Netherlands	SURGICALLY PERCUTANEOUSLY PUNCTURES	12843990.8	10/25/2012	2770916	7/6/2016
EMI-0002-NLEP3	Issued	Netherlands	SURGICALLY PERCUTANEOUSLY PUNCTURES	19187190.4	10/25/2012	3616626	5/12/2021
EMI-0002-NOEP4	Issued	Norway	SURGICALLY PERCUTANEOUSLY PUNCTURES	21166157.4	10/25/2012	3871612	3/8/2023

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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
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	Issued	U.S.	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUS PUNCTURES	16/509,759	7/12/2019	11,589,855	2/28/2023
EMI-0002-US04	Pending	U.S.	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUS PUNCTURES	18/158,165	1/23/2023		
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

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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
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	Issued	U.S.	VASCULAR LOCATING SYSTEMS AND METHODS OF USE	17/085,901	10/30/2020	11,759,191	9/19/2023
EMI-0004-US05	Pending	U.S.	VASCULAR LOCATING SYSTEMS AND METHODS OF USE	18/468,458	9/15/2023		
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		
EMI-0005-US01	Abandoned	U.S.	VASCULAR CLOSURE SYSTEM TOGGLE PLACEMENT	14/086,418	11/21/2013		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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	Issued	U.S.	VASCULAR CLOSURE DEVICES AND METHODS OF USE	16/835,524	3/31/2020	11,419,592	8/23/2022
EMI-0007-US03	Published	U.S.	VASCULAR CLOSURE DEVICES AND METHODS OF USE	17/811,733	7/11/2022		
EMI-0007-USPR	Expired	U.S.	VASCULAR CLOSURE DEVICES AND METHODS OF USE	61/794,776	3/15/2013		
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

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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-EP02	Not yet filed	EP	RELEASABLE ELONGATED ASSEMBLY		5/5/2017		
EMI-0009-US01	Issued	U.S.	RELEASABLE ELONGATED ASSEMBLY	16/098,578	11/2/2018	10905414	2/2/2021
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		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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
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		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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
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

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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	602014076 420.7	4/7/2021
EMI-0011-EP01	Issued	EP	VASCULAR CLOSURE DEVICE	14824199.5	12/5/2014	3086716	4/7/2021
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-HKEP2	Published	Hong Kong	VASCULAR CLOSURE DEVICE	42021043749.7	12/5/2014		
EMI-0011-ITEP	Issued	Italy	VASCULAR CLOSURE DEVICE	3086716	12/5/2014	502021000 049598	4/7/2021
EMI-0011-NLEP	Issued	Netherlands	VASCULAR CLOSURE DEVICE	3086716	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-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-US04	Issued	U.S.	VASCULAR CLOSURE DEVICE	17/745,455	5/16/2022	11,779,320	10/10/2023
EMI-0011-US05	Pending	U.S.	VASCULAR CLOSURE DEVICE	18/473,322	9/25/2023		
EMI-0011-USPR	Expired	U.S.	VASCULAR CLOSURE DEVICE	61/920,207	12/23/2013		
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 MEMBER	15/192,632	6/24/2016	10555727	2/11/2020
EMI-0012-US02	Issued	U.S.	VASCULAR CLOSURE DEVICE WITH REMOVABLE MEMBER	16/742,854	1/14/2020	11,576,663	2/14/2023
EMI-0012-US03	Abandoned	U.S.	VASCULAR CLOSURE DEVICE WITH REMOVABLE MEMBER	16/742,445	1/14/2020		
EMI-0012-US04	Pending	U.S.	VASCULAR CLOSURE DEVICE WITH REMOVABLE MEMBER	18/154,457	1/13/2023		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
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	Issued	U.S.	PUNCTURE LOCATING SYSTEM WITH BLOOD PULSATION INDICATOR	16/279,577	2/19/2019	11,350,919	6/7/2022
EMI-0013-US02	Published	U.S.	PUNCTURE LOCATING SYSTEM WITH BLOOD PULSATION INDICATOR	17/721,406	4/15/2022		
EMI-0013-WO01	Expired	PCT	PUNCTURE LOCATING SYSTEM WITH BLOOD PULSATION INDICATOR	PCT/US20/16492	2/4/2020		
EMI-0016-US01	Issued	U.S.	METHODS FOR EXCHANGING DEVICES	15/646,206	07/11/2017	11,020,224	6/1/2021
EMI-0017-US01	Issued	U.S.	METHODS FOR EXCHANGING DEVICES	15/727,243	10/06/2017	10,668,253	6/2/2020
EMI-0019-EP01	Pending	EP	ACCESS SHEATH WITH VALVE ASSEMBLY	21752353.9	7/15/2021		
EMI-0019-HKEP	Pending	Hong Kong	ACCESS SHEATH WITH VALVE ASSEMBLY	62023079019.3	7/15/2021		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0019-US01	Published	U.S.	ACCESS SHEATH WITH VALVE ASSEMBLY	16/944,778	7/31/2020		
EMI-0019-WO01	Expired	PCT	ACCESS SHEATH WITH VALVE ASSEMBLY	PCT/US21/41730	7/15/2021		
EMI-0020-EP01	Published	EP	VESSEL LINING DEVICE AND RELATED METHODS	21713280.2	2/26/2021		
EMI-0020-US01	Issued	U.S.	VESSEL LINING DEVICE AND RELATED METHODS	16/807,781	3/3/2020	11,583,426	2/21/2023
EMI-0020-WO01	Expired	PCT	VESSEL LINING DEVICE AND RELATED METHODS	PCT/US21/19761	2/26/2021		
EMI-0021-CN01	Pending	China	WIRE ASSEMBLIES AND METHODS FOR OCCLUSION	202180075592.1	11/11/2021		
EMI-0021-EP01	Pending	EP	WIRE ASSEMBLIES AND METHODS FOR OCCLUSION	21819685.5	11/11/2021		
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		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
EMI-0022-CN01	Pending	China	CONCENTRIC CORE PUNCTURE LOCATING SYSTEM	202280032140.X	5/9/2022		
EMI-0022-EP01	Pending	Europe	CONCENTRIC CORE PUNCTURE LOCATING SYSTEM	22733245.9	5/9/2022		
EMI-0022-HKEP	Not yet filed	Hong Kong	CONCENTRIC CORE PUNCTURE LOCATING SYSTEM		5/9/2022		
EMI-0022-US01	Published	U.S.	CONCENTRIC CORE PUNCTURE LOCATING SYSTEM	17/662,496	5/9/2022		
EMI-0022-USPR	Expired	U.S.	CONCENTRIC CORE PUNCTURE LOCATING SYSTEM	63/187,627	5/12/2021		
EMI-0022-WO01	Expired	PCT	CONCENTRIC CORE PUNCTURE LOCATING SYSTEM	PCT/US2022/02830 3	5/9/2022		
EMI-0023-EP01	Not yet filed	EP	DEPTH GAUGE SYSTEM		9/9/2022		
EMI-0023-US01	Published	U.S.	DEPTH GAUGE SYSTEM	17/930,812	9/9/2022		
EMI-0023-WO01	Published	PCT	DEPTH GAUGE SYSTEM	PCT/US2022/04300 5	9/9/2022		
EMI-0023-USPR	Expired	U.S.	DEPTH GAUGE SYSTEM	63/245,315	9/17/2021		
EMI-0024-US01	Published	U.S.	AORTIC CLOSURE SYSTEM AND RELATED METHODS	17/581,116	1/21/2022		

Attorney Dkt. No.	Status	Country	Patent Title	Patent Appin. No.	Filing Date	Patent No.	Issue Date
EMI-0024-USPR	Expired	U.S.	AORTIC CLOSURE SYSTEM AND RELATED METHODS	63/154,120	2/26/2021		
EMI-0025-US01	Not yet filed	U.S.	BIOABSORBABLE OCCLUSION SYSTEM				
EMI-0025-USPR	Pending	U.S.	BIOABSORBABLE OCCLUSION SYSTEM	63/478,286	1/3/2023		
EMI-0025-WO01	Not yet filed	PCT	BIOABSORBABLE OCCLUSION SYSTEM				
EMI-0026-USPR	Pending	U.S.	VASCULAR CLOSURE DEVICE WITH RETRACTION ASSEMBLY FOR REPOSITIONING A FOOTPLATE	63/517,979	8/7/2023		
EMI-0029-USPR	Pending	U.S.	VASCULAR CLOSURE DEVICE WITH RETRACTION ELEMENT FOR REPOSITIONING A SEALING PLUG	63/518,043	8/7/2023		

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
040792.021544	ENHANCED FORMULATIONS FOR COATING MEDICAL DEVICES	Utility Patent	Canada	Issued	2855218	11/08/2012	2855218	12/04/2018
040792.021545	Novel Enhanced Formulations for Coating Medical Devices	Utility Patent	European Patent Convention	Issued	12847942.5	11/08/2012	2780051	10/24/2018
040792.021546	Novel Enhanced Formulations for Coating Medical Devices	Utility Patent	United States of America	Issued	16/786,791	02/10/2020	11219706	01/11/2022
040792.023640	Improved Dialysis Catheter with Stiffener	Utility Patent	United States of America	Issued	11/756,748	06/01/2007	8177753	05/15/2012
040792.023742	Combined Fibrinolytic and Antimicrobial Catheter and Uses Thereof	Utility Patent	United States of America	Issued	12/451,773	11/30/2009	8895047	11/25/2014
040792.023860	Stabilized Enzyme Compositions	Utility Patent	United States of America	Issued	12/392,544	02/25/2009	8545459	10/01/2013
040792.023992	Enhanced Formulations for Coating Medical Devices	Utility Patent	Canada	Issued	3021799	11/08/2012	3021799	03/15/2022

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
040792.023993	Novel Enhanced Formulations for Coating Medical Devices	Utility Patent	Germany	Issued	12847942.5	11/08/2012	2780051	10/24/2018
040792.023994	Novel Enhanced Formulations for Coating Medical Devices	Utility Patent	France	Issued	12847942.5	11/08/2012	2780051	10/24/2018
040792.023995	Novel Enhanced Formulations for Coating Medical Devices	Utility Patent	Italy	Issued	12847942.5	11/08/2012	2780051	10/24/2018
040792.023997	Novel Enhanced Formulations for Coating Medical Devices	Utility Patent	United Kingdom	Issued	12847942.5	11/08/2012	2780051	10/24/2018
040792.024041	Integrated Syringe Device with Self-Capping Connector	Utility Patent	United States of America	Issued	13/398,480	02/16/2012	8617120	12/31/2013
040792.024081	Device with Integrated Allergy Testing	Utility Patent	United States of America	Issued	13/689,301	11/29/2012	9554736	01/31/2017
040792.024089	Device with Integrated Allergy Testing	Utility Patent	United States of America	Issued	15/385,989	12/21/2016	10617344	04/14/2020

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
040792.024341	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United States of America	Issued	15/048,837	02/19/2016	10197518	02/05/2019
040792.024343	Medical Device Position Location Systems, Devices and Methods	Utility Patent	European Patent Convention	Issued	16753175.5	02/19/2016	3258839	09/04/2019
040792.024344	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United States of America	Issued	16/180,513	11/05/2018	11150207	10/19/2021
040792.024345	Medical Device Position Location Systems, Devices and Methods	Utility Patent	Germany	Issued	16753175.5	02/19/2016	602016020015.5	09/04/2019
040792.024346	Medical Device Position Location Systems, Devices and Methods	Utility Patent	France	Issued	16753175.5	02/19/2016	3258839	09/04/2019
040792.024347	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United Kingdom	Issued	16753175.5	02/19/2016	3258839	09/04/2019
040792.024348	Medical Device Position Location Systems, Devices and Methods	Utility Patent	European Patent Convention	Issued	19195139.1	02/19/2016	3636149	06/07/2023

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040792.024349	Medical Device Position Location Systems, Devices And Methods	Utility Patent	Hong Kong	Issued	42020018065.1	02/19/2016	HK40027994	08/18/2023
040792.024350	Medical Device Position Location Systems, Devices and Methods	Utility Patent	Germany	Issued	19195139.1	02/19/2016	3636149	06/07/2023
040792.024351	Medical Device Position Location Systems, Devices and Methods	Utility Patent	France	Issued	19195139.1	02/19/2016	3636149	06/07/2023
040792.024352	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United Kingdom	Issued	19195139.1	02/19/2016	3636149	06/07/2023
040792.024361	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United States of America	Issued	15/048,117	02/19/2016	10480959	11/19/2019
040792.024363	MEDICAL DEVICE POSITION LOCATION SYSTEMS, DEVICES AND METHODS	Utility Patent	European Patent Convention	Issued	16753164.9	02/19/2016	3258838	04/08/2020

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
040792.024365	Medical Device Position Location Systems, Devices and Methods	Utility Patent	Germany	Issued	16753164.9	02/19/2016	602016033622.7	04/08/2020
040792.024366	Medical Device Position Location Systems, Devices and Methods	Utility Patent	France	Issued	16753164.9	02/19/2016	3258838	04/08/2020
040792.024367	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United Kingdom	Issued	16753164.9	02/19/2016	3258838	04/08/2020
040792.024381	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United States of America	Issued	15/141,843	04/29/2016	10098567	10/16/2018
040792.024383	Medical Device Position Location Systems, Devices and/or Methods	Utility Patent	European Patent Convention	Issued	16787208.4	04/29/2016	3288449	04/06/2022
040792.024384	Medical Device Position Location Systems, Devices and/or Methods	Utility Patent	United States of America	Issued	16/160,686	10/15/2018	11122991	09/21/2021
040792.024385	Medical Device Position Location Systems, Devices and Methods	Utility Patent	United States of America	Published	17/481,207	09/21/2021		

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
040792.024386	Medical Device Position Location Systems, Devices And/or Methods	Utility Patent	Germany	Issued	16787208.4	04/29/2016	602016070827.2	04/06/2022
040792.024387	Medical Device Position Location Systems, Devices And/or Methods	Utility Patent	France	Issued	16787208.4	04/29/2016	3288449	04/06/2022
040792.024388	Medical Device Position Location Systems, Devices And/or Methods	Utility Patent	United Kingdom	Issued	16787208.4	04/29/2016	3288449	04/06/2022
040792.024400	Medical Device Location Systems, Devices And Methods	Utility Patent	United States of America	Issued	12/949,671	11/18/2010	8380289	02/19/2013
040792.024420	MEDICAL DEVICE LOCATION SYSTEMS, DEVICES AND METHODS	Utility Patent	United States of America	Issued	12/949,663	11/18/2010	8391956	03/05/2013
040792.024422	Medical Device Location Systems, Devices and Method	Utility Patent	European Patent Convention	Issued	11840907.7	11/17/2011	2640260	04/19/2017
040792.024423	Medical Device Location Systems, Devices and Method	Utility Patent	Germany	Issued	11840907.7	11/17/2011	2640260	04/19/2017

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
040792.024425	Medical Device Location Systems, Devices and Method	Utility Patent	France	Issued	11840907.7	11/17/2011	2640260	04/19/2017
040792.024426	Medical Device Location Systems, Devices and Method	Utility Patent	United Kingdom	Issued	11840907.7	11/17/2011	2640260	04/19/2017
040792.024427	Medical Device Location Systems, Devices and Method	Utility Patent	European Patent Convention	Issued	16203531.5	11/17/2011	3165156	03/04/2020
040792.024428	Medical Device Location Systems, Devices and Method	Utility Patent	Germany	Issued	16203531.5	11/17/2011	3165156	03/04/2020
040792.024429	Medical Device Location Systems, Devices and Method	Utility Patent	France	Issued	16203531.5	11/17/2011	3165156	03/04/2020
040792.024430	Medical Device Location Systems, Devices and Method	Utility Patent	Italy	Issued	16203531.5	11/17/2011	3165156	03/04/2020
040792.024431	Medical Device Location Systems, Devices and Method	Utility Patent	United Kingdom	Issued	16203531.5	11/17/2011	3165156	03/04/2020

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
040792.024682	Catheter Assembly With Segmented Stabilization System	Utility Patent	China	Issued	201480029369.3	04/04/2014	ZL201480029369.3	09/21/2018
040792.024683	Catheter Assembly With Segmented Stabilization System	Utility Patent	United States of America	Issued	14/782,422	04/04/2014	10786653	09/29/2020
044781.023040	Catheter Connector with Pivot Lever Spring Latch	Utility Patent	United States of America	Issued	10/225,782	08/21/2002	7044936	05/16/2006
044781.023460	Pre-Loaded Lockable Stimulating Catheter for Delivery of Anaesthetic Drugs	Utility Patent	United States of America	Issued	11/074,515	03/08/2005	8611993	12/17/2013
044869.023602	Adaptive Real Time ECG Triggering and Uses Thereof	Utility Patent	United States of America	Issued	11/634,687	12/06/2006	8204582	06/19/2012
044869.023603	Adaptive Real Time ECG Triggering and Uses Thereof	Utility Patent	European Patent Convention	Issued	06844852.1	12/06/2006	1971259	02/15/2017

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.023604	Adaptive Time Triggering and Uses Thereof	Utility Patent	Canada	Issued	2635746	12/06/2006	2635746	01/10/2017
044869.023605	Adaptive Time Triggering and Uses Thereof	Utility Patent	Japan	Issued	2008-550312	12/06/2006	5372521	09/27/2013
044869.023607	Adaptive Time Triggering and Uses Thereof	Utility Patent	Germany	Issued	06844852.1	12/06/2006	1971259	02/15/2017
044869.023608	Adaptive Time Triggering and Uses Thereof	Utility Patent	France	Issued	06844852.1	12/06/2006	1971259	02/15/2017
044869.023609	Adaptive Time Triggering and Uses Thereof	Utility Patent	Italy	Issued	06844852.1	12/06/2006	1971259	02/15/2017
044869.023610	Adaptive Time Triggering and Uses Thereof	Utility Patent	United Kingdom	Issued	06844852.1	12/06/2006	1971259	02/15/2017
044869.023621	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	United States of America	Issued	11/633,320	12/04/2006	8016738	09/13/2011

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.023623	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	European Patent Convention	Issued	06838963.4	12/04/2006	1968666	01/17/2013
044869.023624	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	Canada	Issued	2635074	12/04/2006	2635074	07/22/2014
044869.023625	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	Japan	Issued	2008-549476	12/04/2006	4790817	07/29/2011
044869.023627	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	Germany	Issued	60 2006 034 562.3	12/04/2006	1968666	01/17/2013
044869.023629	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	France	Issued	06838963.4	12/04/2006	1968666	01/17/2013
044869.023630	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	Italy	Issued	06838963.4	12/04/2006	1968666	02/13/2013

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.023631	Methods and Apparatus for Selecting Intra-Aortic Balloon Deflation Timing	Utility Patent	United Kingdom	Issued	06838963.4	12/04/2006	1968666	01/17/2013
044869.023781	Flow Restoration Systems and Methods for Use	Utility Patent	United States of America	Issued	12/564,892	09/22/2009	8298252	10/30/2012
044869.023783	Flow Restoration Systems and Methods for Use	Utility Patent	Australia	Issued	2009294864	09/22/2009	2009294864	12/24/2015
044869.023784	Flow Restoration Systems and Methods for Use	Utility Patent	Canada	Issued	2737653	09/22/2009	2737653	09/22/2018
044869.023785	Flow Restoration Systems and Methods for Use	Utility Patent	China	Issued	200980141805.5	09/22/2009	ZL 200980141805.5	12/18/2013
044869.023786	Flow Restoration Systems and Methods for Use	Utility Patent	Japan	Issued	2011-528080	09/22/2009	5529141	04/25/2014
044869.023788	Flow Restoration Systems and Methods for Use	Utility Patent	European Patent Convention	Issued	09815406.5	09/22/2009	2344051	11/09/2016

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.023789	Flow Restoration Systems and Methods for Use	Utility Patent	United States of America	Issued	13/655,688	10/19/2012	9820769	11/21/2017
044869.023790	Flow Restoration Systems and Methods for Use	Utility Patent	France	Issued	09815406.5	09/22/2009	2344051	11/09/2016
044869.023791	Flow Restoration Systems and Methods for Use	Utility Patent	Germany	Issued	09815406.5	09/22/2009	602009042334.7	11/09/2016
044869.023792	Flow Restoration Systems and Methods for Use	Utility Patent	Italy	Issued	502017000008222	09/22/2009	2344051	11/09/2016
044869.023793	Flow Restoration Systems and Methods for Use	Utility Patent	United Kingdom	Issued	09815406.5	09/22/2009	2344051	11/09/2016
044869.023794	Flow Restoration Systems and Methods for Use	Utility Patent	United States of America	Issued	15/788,754	10/19/2017	10729459	08/04/2020
044869.023841	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	United States of America	Issued	12/497,135	07/02/2009	8043313	10/25/2011

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.023844	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Australia	Issued	2009266808	07/02/2009	2009266808	10/23/2014
044869.023845	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Canada	Issued	2729750	07/02/2009	2729750	06/06/2017
044869.023846	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	China	Issued	200980134164.0	07/02/2009	ZL 200980134164.0	08/21/2013
044869.023847	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Japan	Issued	2011-516896	07/02/2009	5571074	07/04/2014
044869.023849	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	European Patent Convention	Issued	09774584.8	07/02/2009	2307086	04/15/2015
044869.023858	Apparatus and Methods for Treating Obstructions	Utility Patent	United States of America	Issued	14/353,868	10/24/2012	9731099	08/15/2017

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
	Within Body Lumens							
044869.023859	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Japan	Issued	2014-129785	07/02/2009	6054916	12/09/2016
044869.023861	Apparatus and Methods for Removing Obstructive Material from Body Lumens	Utility Patent	United States of America	Issued	12/480,664	06/08/2009	8939991	01/27/2015
044869.023863	Apparatus and Methods for Removing Obstructive Material from Body Lumens	Utility Patent	Canada	Issued	2726851	06/08/2009	2726851	11/27/2018
044869.023864	Apparatus and Methods for Removing Obstructive Material from Body Lumens	Utility Patent	China	Issued	200980129911.1	06/08/2009	ZL 200980129911.1	05/14/2014
044869.023865	Apparatus and Methods for Removing Obstructive Material from Body Lumens	Utility Patent	Japan	Issued	2011-512752	06/08/2009	5584204	07/25/2014

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.023866	Apparatus and Methods for Removing Obstructive Material from Body Lumens	Utility Patent	Singapore	Issued	201009080-1	06/08/2009	167261	09/18/2014
044869.023867	For Apparatus And Methods For Removing Obstructive Material From Body Lumens	Utility Patent	European Patent Convention	Issued	09774001.3	06/08/2009	2299916	08/08/2018
044869.023868	Removing Obstructive Material from Body Lumens	Utility Patent	United States of America	Issued	14/592,888	01/08/2015	9855067	01/02/2018
044869.023869	Apparatus And Methods For Removing Obstructive Material From Body Lumens	Utility Patent	United States of America	Issued	15/831,285	12/04/2017	10716586	07/21/2020
044869.023982	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	United States of America	Issued	12/843,004	07/23/2010	8945160	02/03/2015
044869.023983	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Australia	Issued	2010275430	07/23/2010	2010275430	03/10/2016

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.023984	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Canada	Issued	2768506	07/23/2010	2768506	02/06/2018
044869.023985	Apparatus for Treating Obstructions Within Body Lumens	Utility Patent	China	Issued	201080040808.2	07/23/2010	201080040808.2	03/18/2015
044869.023986	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Japan	Issued	2012-521865	07/23/2010	5718331	03/27/2015
044869.023988	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	European Patent Convention	Issued	10803003.2	07/23/2010	2456504	06/19/2019
044869.023989	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	United States of America	Issued	14/599,529	01/18/2015	9833599	12/05/2017
044869.023990	Apparatus and Methods for Treating Obstructions	Utility Patent	United States of America	Issued	15/820,166	11/21/2017	10898695	01/26/2021

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
	Within Lumens Body							
044869.023991	Apparatus and Methods for Treating Obstructions Within Lumens Body	Utility Patent	Germany	Issued	10803003.2	07/23/2010	602010059567.6	06/19/2019
044869.023992	Apparatus and Methods for Treating Obstructions Within Lumens Body	Utility Patent	France	Issued	10803003.2	07/23/2010	2456504	06/19/2019
044869.023993	Apparatus and Methods for Treating Obstructions Within Lumens Body	Utility Patent	United Kingdom	Issued	10803003.2	07/23/2010	2456504	06/19/2019
044869.024060	Balloon Catheter and Methods for Use	Utility Patent	United States of America	Issued	12/966,925	12/13/2010	10086176	10/02/2018
044869.024081	Apparatus and Methods for Treating Obstructions within Lumens Body	Utility Patent	United States of America	Issued	13/216,208	08/23/2011	9101382	08/11/2015

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.024083	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	United States of America	Issued	13/444,739	04/11/2012	8926649	01/06/2015
044869.024084	Apparatus and Methods for Treating Obstructions within Body Lumens	Utility Patent	Canada	Issued	2827641	02/17/2012	2827641	08/25/2020
044869.024085	Apparatus and Methods for Treating Obstructions within Body Lumens	Utility Patent	European Patent Convention	Issued	12747760.2	02/17/2012	2675517	04/08/2020
044869.024086	Apparatus and Methods for Treating Obstructions within Body Lumens	Utility Patent	China	Issued	201280018206.6	02/17/2012	ZL201280018206.6	10/31/2017
044869.024087	Apparatus and Methods for Treating Obstructions within Body Lumens	Utility Patent	Japan	Issued	2013-554659	02/17/2012	6158715	06/16/2017
044869.024089	Apparatus and Methods for Treating Obstructions	Utility Patent	United States of America	Issued	14/803,112	07/20/2015	9757137	09/12/2017

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
	within Lumens Body							
044869.024090	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	United States of America	Issued	15/698,622	09/07/2017	10624656	04/21/2020
044869.024160	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Japan	Issued	2015-054596	07/23/2010	6097322	02/24/2017
044869.024161	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Germany	Issued	09774584.8	07/02/2009	2307086	04/15/2015
044869.024162	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	France	Issued	09774584.8	07/02/2009	2307086	04/15/2015
044869.024163	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	United Kingdom	Issued	09774584.8	07/02/2009	2307086	04/15/2015

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.024164	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Italy	Issued	09774584.8	07/02/2009	2307086	04/15/2015
044869.024165	For APPARATUS AND METHODS FOR TREATING OBSTRUCTIONS WITHIN BODY LUMENS	Utility Patent	European Patent Convention	Issued	15160566.4	07/02/2009	2902070	10/05/2016
044869.024166	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Canada	Issued	2913525	07/02/2009	2913525	02/27/2018
044869.024168	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	France	Issued	15160566.4	07/02/2009	2902070	10/05/2016
044869.024169	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	Italy	Issued	502016000130550	07/02/2009	2902070	10/05/2016
044869.024170	Apparatus and Methods for Treating Obstructions	Utility Patent	Germany	Issued	15160566.4	07/02/2009	2902070	10/05/2016

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
	Within Body Lumens							
044869.024171	Apparatus and Methods for Treating Obstructions Within Body Lumens	Utility Patent	United Kingdom	Issued	15160566.4	07/02/2009	2902070	10/05/2016
044869.024173	Apparatus for Removing Obstructive Material from Body Lumens	Utility Patent	Germany	Issued	09774001.3	06/08/2009	602009053 763.6	08/08/2018
044869.024174	Apparatus for Removing Obstructive Material from Body Lumens	Utility Patent	France	Issued	09774001.3	06/08/2009	2299916	08/08/2018
044869.024175	Apparatus for Removing Obstructive Material from Body Lumens	Utility Patent	United Kingdom	Issued	09774001.3	06/08/2009	2299916	08/08/2018
044869.024176	Apparatus And Methods For Treating Obstructions Within Body Lumens	Utility Patent	Germany	Issued	12747760.2	02/17/2012	602012069129.8	04/08/2020

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
044869.024177	Apparatus and Methods for Treating Obstructions within Body Lumens	Utility Patent	France	Issued	12747760.2	02/17/2012	2675517	04/08/2020
044869.024178	Apparatus and Methods for Treating Obstructions within Body Lumens	Utility Patent	United Kingdom	Issued	12747760.2	02/17/2012	2675517	04/08/2020
091644.021702	Endovenous Access and Guidance System Utilizing Non-Image Based Ultrasound	Utility Patent	United States of America	Issued	11/431,140	05/08/2006	9204819	12/08/2015
091644.021703	Endovascular Access and Guidance System Utilizing Divergent Beam Ultrasound	Utility Patent	United States of America	Issued	11/431,118	05/08/2006	9198600	12/01/2015
091644.021705	ULTRASOUND METHODS OF POSITIONING GUIDED VASCULAR ACCESS DEVICES IN THE VENOUS SYSTEM	Utility Patent	United States of America	Issued	11/430,511	05/08/2006	8409103	04/02/2013

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.021706	ENDOVASCULAR DEVICES AND METHODS OF USE	Utility Patent	United States of America	Issued	12/359,195	01/23/2009	9339207	05/17/2016
091644.021709	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	China	Issued	200680023096.7	05/08/2006	ZL 200680023096.7	06/20/2012
091644.021710	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	Germany	Issued	06759289.9	05/08/2006	1887940	06/26/2013
091644.021711	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	Germany	Issued	12150986.3	05/08/2006	602006037312.0	07/10/2013
091644.021712	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	European Patent Convention	Issued	06759289.9	05/08/2006	1887940	06/26/2013

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.021713	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	European Patent Convention	Issued	12150986.3	05/08/2006	2474268	07/10/2013
091644.021716	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	France	Issued	06759289.9	05/08/2006	1887940	06/26/2013
091644.021717	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	France	Issued	12150986.3	05/08/2006	2474268	07/10/2013
091644.021718	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	United Kingdom	Issued	06759289.9	05/08/2006	1887940	06/26/2013
091644.021719	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	United Kingdom	Issued	12150986.3	05/08/2006	2474268	07/10/2013

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.021723	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	Italy	Issued	06759289.9	05/08/2006	26806BE/2013	06/26/2013
091644.021724	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	Italy	Issued	12150986.3	05/08/2006	28538 BE/2013	07/10/2013
091644.021725	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	Japan	Issued	2008-510306	05/08/2006	4972639	04/13/2012
091644.021727	METHOD AND APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING	Utility Patent	Japan	Issued	2013-213910	10/11/2013	5833079	11/06/2015
091644.021728	Endovascular Navigation System and Method	Utility Patent	United States of America	Issued	14/953,391	11/29/2015	10335240	07/02/2019

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.021729	Endovascular Navigation System and Method	Utility Patent	United States of America	Published	16/458,656	07/01/2019		
091644.021742	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	Utility Patent	United States of America	Issued	12/147,401	06/26/2008	8597193	12/03/2013
091644.021745	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	Utility Patent	Canada	Issued	2691211	06/26/2008	2691211	03/21/2017
091644.021746	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	Utility Patent	China	Issued	200880101636.8	06/26/2008	ZL200880101636.8	11/06/2013

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.021747	APPARATUS AND METHOD FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	Utility Patent	European Patent Convention	Issued	08781041.2	06/26/2008	2170162	08/23/2017
091644.021749	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	Utility Patent	Japan	Issued	2010-515139	06/26/2008	5660890	12/12/2014
091644.021750	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	Utility Patent	Japan	Issued	2014-244400	06/26/2008	5963834	07/08/2016
091644.021751	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	Utility Patent	United States of America	Issued	15/009,745	01/28/2016	10321890	06/18/2019

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.021752	Apparatus and Method for Vascular Access	Utility Patent	United States of America	Issued	15/092,588	04/06/2016	10368837	08/06/2019
091644.021753	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	Utility Patent	United States of America	Issued	15/331,899	10/23/2016	10470743	11/12/2019
091644.021755	Apparatus and Method for Endovascular Device Guiding and Positioning Using Physiological Parameters	Utility Patent	Germany	Issued	08781041.2	06/26/2008	2170162	08/23/2017
091644.021756	APPARATUS FOR ENDOVASCULAR DEVICE GUIDING AND POSITIONING USING PHYSIOLOGICAL PARAMETERS	Utility Patent	France	Issued	08781041.2	06/26/2008	2170162	08/23/2017
091644.021758	Apparatus and Method for Endovascular Device Guiding and Positioning Using	Utility Patent	United Kingdom	Issued	08781041.2	06/26/2008	2170162	08/23/2017

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
	Physiological Parameters							
091644.021759	Apparatus and Method for Vascular Access	Utility Patent	United States of America	Published	16/530,491	08/02/2019		
091644.022001	Endovascular navigation System And Method	Utility Patent	United States of America	Issued	13/292,010	11/08/2011	9119551	09/01/2015
091644.022003	ENDOASCULAR NAVIGATION SYSTEM	Utility Patent	European Patent Convention	Issued	11839382.6	11/08/2011	2637568	04/12/2017
091644.022004	ENDOASCULAR NAVIGATION SYSTEM	Utility Patent	Japan	Issued	2013-537934	11/08/2011	5980791	08/05/2016
091644.022005	Endovascular Navigation System And Method	Utility Patent	United States of America	Issued	14/811,923	07/29/2015	10368830	08/06/2019
091644.022006	Endovascular Navigation System and Method	Utility Patent	Germany	Issued	11839382.6	11/08/2011	2637568	04/12/2017

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.022007	ENDOVASCULAR NAVIGATION SYSTEM	Utility Patent	France	Issued	11839382.6	11/08/2011	2637568	04/12/2017
091644.022008	Endovascular Navigation System and Method	Utility Patent	Italy	Issued	502017000078140	11/08/2011	2637568	04/12/2017
091644.022009	ENDOVASCULAR NAVIGATION SYSTEM	Utility Patent	United Kingdom	Issued	11839382.6	11/08/2011	2637568	04/12/2017
091644.022010	Endovascular Navigation System And Method	Utility Patent	United States of America	Issued	16/531,366	08/05/2019	11445996	09/20/2022
091644.022022	Right Atrium Indicator	Utility Patent	United States of America	Issued	13/829,522	03/14/2013	9345447	05/24/2016
091644.022025	Right Atrium Indicator	Utility Patent	Japan	Issued	2015-511459	03/14/2013	6088046	02/10/2017
091644.022026	Right Atrium Indicator	Utility Patent	United States of America	Issued	15/132,242	04/19/2016	9743994	08/29/2017

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
091644.022042	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA AREA AND THE CAVOATRIAL JUNCTION	Utility Patent	United States of America	Issued	13/829,650	03/14/2013	8965490	02/24/2015
091644.022044	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA AREA AND THE CAVOATRIAL JUNCTION	Utility Patent	European Patent Convention	Issued	13788419.3	03/14/2013	2846686	03/01/2018
091644.022045	SYSTEMS AND METHODS FOR DETECTION OF THE SUPERIOR VENA CAVA AREA AND THE CAVOATRIAL JUNCTION	Utility Patent	Japan	Issued	2015-511460	03/14/2013	6185048	08/04/2017
091644.022047	Systems And Methods For Detection Of The Superior Vena Cava Area And The Cavoatrial Junction	Utility Patent	France	Issued	13788419.3	03/14/2013	2846686	03/01/2018
091644.022048	Systems And Methods For Detection Of The Superior Vena Cava Area And	Utility Patent	Germany	Issued	13788419.3	03/14/2013	2846686	03/01/2018

Ref. No.	Title	Type	Country / Jurisdiction	Status	Application No.	Date Filed	Patent Registration No.	Grant / Registration Date
	The Cavoatrial Junction							
091644.022049	Systems And Methods For The Detection Of The Superior Vena Cava Area And The Cavoatrial Junction	Utility Patent	United Kingdom	Issued	13788419.3	03/14/2013	2846686	01/03/2018

SCHEDULE 1

PART B – TRADEMARKS AND TRADEMARK APPLICATIONS

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
040792.020088	(Yellow Catheter with Blue Tip Design)	Argentina	Registered	3795149	01/22/1997	3103892	05/20/2009
044869.020027	AC (superscript)3	China	Registered	17421860	07/14/2015	17421860	09/14/2016
044869.006003	AC3	United Kingdom	Registered	012486338	01/09/2014	UK009012486338	06/03/2014
044869.020026	AC3	Mexico	Registered	1631174	07/08/2015	1576701	09/30/2015
044869.020165	AC3	European Union	Registered	012486338	01/09/2014	012486338	06/03/2014
044869.020172	AC3	Canada	Registered	1809242	11/14/2016	1057025	10/01/2019
044869.020182	AC3	India	Registered	3414123	11/21/2016	3414123	11/21/2016
044869.006004	AC3	United Kingdom	Registered	016042996	11/14/2016	UK009016042996	04/05/2017
044869.020177	AC3	Australia	Registered	1808979	11/14/2016	1808979	11/14/2016
044869.020178	AC3	Brazil	Registered	911925694	11/18/2016	911925694	07/31/2018

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
044869.020180	AC3	European Union	Registered	016042996	11/14/2016	016042996	04/05/2017
044869.020184	AC3	Mexico	Registered	1820775	11/14/2016	1732333	03/14/2017
044869.020186	AC3	New Zealand	Registered	1055106	11/14/2016	1055106	05/17/2017
044869.006002	AC3 OPTIMUS	United Kingdom	Registered	014309264	06/30/2015	UK009014309264	11/18/2015
044869.020023	AC3 OPTIMUS	European Union	Registered	014309264	06/30/2015	014309264	11/18/2015
044869.020171	AC3 OPTIMUS	New Zealand	Registered	1035096	01/05/2016	1035096	07/06/2016
044869.020173	AC3 OPTIMUS	Canada	Registered	1809243	11/14/2016	1057033	10/01/2019
044869.020175	AC3 OPTIMUS	China	Registered	21913137	11/15/2016	21913137	12/28/2017
044869.020176	AC3 OPTIMUS	Australia	Registered	1808982	11/14/2016	1808982	11/14/2016
044869.020179	AC3 OPTIMUS	Brazil	Registered	911925724	11/18/2016	911925724	07/31/2018
044869.020183	AC3 OPTIMUS	India	Registered	3414122	11/21/2016	3414122	11/21/2016
044869.020185	AC3 OPTIMUS	Mexico	Registered	1820776	11/14/2016	1732334	03/14/2017
044869.020187	AC3 OPTIMUS	New Zealand	Registered	1055107	11/14/2016	1055107	05/17/2017

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
044869.024172	AC3 OPTIMUS	United States of America	Registered	87881888	04/18/2018	5550990	08/28/2018
044869.020022	AC3 OPTIMUS (& Design)	Mexico	Registered	1641147	08/04/2015	1587028	11/04/2015
040792.020095	AERO	United States of America	Registered	78658042	06/24/2005	3868753	10/26/2010
040792.020025	AGB+	United States of America	Registered	75794477	09/08/1999	2520879	12/18/2001
040792.020008	AI (& Design)	United States of America	Registered	78377487	03/03/2004	3529007	11/04/2008
040792.020080	ARMORGLIDE	United States of America	Registered	74503824	03/17/1994	1900520	06/20/1995
040792.006006	ARROW	United Kingdom	Registered	009959214	05/11/2011	UK009009959214	10/17/2011
040792.020014	ARROW	Greece	Registered	131610/96	12/16/1996	131610	02/08/1999
040792.020016	ARROW	Israel	Registered	88460	08/05/1993	88460	04/04/1997
040792.020017	ARROW	Mexico	Registered	184,107	11/25/1993	475925	10/04/1994

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
040792.020019	ARROW	South Africa	Registered	936212	07/22/1993	1993/06212	05/13/1997
040792.020020	ARROW	Republic of Korea	Registered	93-26724	07/29/1993	312439	04/28/1995
040792.020021	ARROW	Venezuela	Registered	1990-012298	09/27/1989	F-156475	03/18/1994
040792.020023	ARROW	Taiwan	Registered	82037677	08/02/1993	668304	01/16/1997
040792.020024	ARROW	Switzerland	Registered	494/1991.0	01/24/1991	388.300	01/16/1992
040792.020029	ARROW	China	Registered	1139265	11/20/1996	1139265	12/28/1997
040792.020031	ARROW	United States of America	Registered	75318727	07/02/1997	2176791	07/28/1998
040792.020035	ARROW	Austria	Registered	135672	01/30/1991	135672	04/26/1991
040792.020037	ARROW	Colombia	Registered	94006232	02/17/1994	161948	05/31/1994
040792.020039	ARROW	Spain	Registered	1617692	02/14/1991	1617692	02/04/1994
040792.020042	ARROW	Singapore	Registered	T93/05583B	07/22/1993	T93/05583B	10/30/1999
040792.020047	ARROW	Brazil	Registered	817712305	03/03/1994	817712305	11/23/1999
040792.020049	ARROW	Japan	Registered	2003-050876	06/19/2003	4909865-2	11/18/2005
040792.020052	ARROW	Costa Rica	Registered	N/A	01/19/1994	87259	06/08/1994

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
040792.020053	ARROW	Australia	Registered	393140	06/23/1983	A393140	06/23/1983
040792.020054	ARROW	United Kingdom	Registered	1200095	07/20/1983	1200095	05/06/1988
040792.020061	ARROW	Germany	Registered	398 45 415.9	08/11/1998	39845415	01/20/1999
040792.020062	ARROW	Denmark	Registered	V/A 1983 02767	06/07/1983	VR 1984 03785	11/02/2004
040792.020063	ARROW	Benelux	Registered	1063162	10/01/2004	764160	04/11/2005
040792.020077	ARROW	United States of America	Registered	73420836	04/11/1983	131592	01/22/1985
040792.020084	ARROW	Argentina	Registered	4035189	06/16/1998	2467322	10/03/2011
040792.020092	ARROW	Canada	Registered	505561	06/21/1983	296364	10/26/1984
040792.020093	ARROW	Norway	Registered	831794	06/02/1983	127265	12/05/1986
040792.020094	ARROW	United Kingdom	Registered	2188122	02/09/1999	2188122	08/13/1999
040792.020100	ARROW	Peru	Registered	099159-2000	01/17/2000	00063568	05/24/2000
040792.020101	ARROW	Italy	Registered	M12005C008632	07/29/2005	1136666	09/04/2008
040792.020158	ARROW	Indonesia	Registered	D002011010385	03/17/2011	IDM000550621	10/31/2016
040792.020169	ARROW	Philippines	Registered	4-2015-000058	01/05/2015	4-2015-00000058	06/11/2015

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040792.020273	ARROW	Chile	Published	1473496	09/06/2021		
040792.020276	ARROW	Russian Federation	Registered	2021776609	11/22/2021	883341	08/02/2022
040792.020277	ARROW	Iran	Pending	140150140001090059	02/09/2023		
040792.021012	ARROW	European Union	Registered	009959214	05/11/2011	009959214	10/17/2011
040792.020258	ARROW CLEARCLOT	Canada	Registered	1950463	03/08/2019	TMA1176106	04/13/2023
040792.020055	ARROW EDGE	United States of America	Registered	78419839	05/17/2004	3074561	03/28/2006
040792.020266	ARROW EDGE	Russian Federation	Registered	2020724744	05/18/2020	776157	09/22/2020
040792.020096	ARROW INTERNATIONAL	China	Registered	1511200	06/01/1999	1511200	01/21/2001
040792.020107	ARROW INTERNATIONAL	India	Registered	1453463	05/10/2006	1453463	03/17/2011
040792.020056	ARROW SIMPLICITY	United States of America	Registered	78419848	05/17/2004	3592949	03/17/2009
040792.020151	ARROWENDURANCE	Canada	Registered	1564479	02/16/2012	TMA999900	06/27/2018

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040792.020032	ARROW-FLEX	United States of America	Registered	74396350	06/01/1993	1837796	05/31/1994
040792.020033	ARROWG+ARD	United States of America	Registered	74657460	04/07/1995	2146598	03/24/1998
040792.020242	ARROWG+ARD	China	Registered	37369084	04/09/2019	37369084	01/07/2020
040792.020085	ARROWG+ARD (Stylized)	Argentina	Registered	4035190	06/16/1998	2467330	10/03/2011
040792.020232	ARROWG+ARD BLUE	United States of America	Registered	87618587	09/22/2017	5604469	11/13/2018
040792.020244	ARROWG+ARD BLUE	China	Registered	37369082	04/09/2019	37369082	01/14/2020
040792.020264	ARROWG+ARD BLUE	Russian Federation	Registered	2020724743	05/18/2020	780035	10/19/2020
040792.006000	ARROWG+ARD BLUE (& Design)	United Kingdom	Registered	006167878	08/03/2007	UK0090006167878	07/03/2008
040792.020022	ARROWG+ARD BLUE (& Design)	Germany	Registered	39845416	08/11/1998	39845416	12/07/1998
040792.020058	ARROWG+ARD BLUE (& Design)	United States of America	Registered	78433655	06/11/2004	2981152	08/02/2005

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040792.020115	ARROWG+ARD BLUE (& Design)	European Union	Registered	006167878	08/03/2007	006167878	07/03/2008
040792.020235	ARROWG+ARD ADVANCE	United States of America	Registered	87769649	01/25/2018	5869087	09/24/2019
040792.020236	ARROWG+ARD ADVANCE	Brazil	Registered	915069822	07/20/2018	915069822	07/02/2019
040792.020237	ARROWG+ARD ADVANCE	Mexico	Registered	2078029	07/20/2018	1935807	10/17/2018
040792.020238	ARROWG+ARD ADVANCE	Colombia	Registered	SD2018/0059200	07/19/2018	612753	01/24/2019
040792.020239	ARROWG+ARD ADVANCE	Argentina	Registered	3727013	07/24/2018	3020362	09/23/2019
040792.020246	ARROWG+ARD ADVANCE	China	Registered	37369080	04/09/2019	37369080	01/14/2020
040792.006005	ARROWG+ARD ADVANCE	United Kingdom	Registered	017733891	01/24/2018	UK009017733891	05/24/2018
040792.020233	ARROWG+ARD ADVANCE	Canada	Registered	1879341	01/24/2018	TMA1051768	08/29/2019
040792.020234	ARROWG+ARD ADVANCE	European Union	Registered	017733891	01/24/2018	017733891	05/24/2018

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040792.020043	ARROWG+ARD PLUS	United States of America	Registered	75508175	06/19/1998	2527850	01/08/2002
040792.020044	ARROWG+ARD PLUS	United States of America	Registered	76288730	07/23/2001	2597774	07/23/2002
040792.020243	ARROWG+ARD PLUS	China	Registered	37369083	04/09/2019	37369083	01/07/2020
044781.020187	ARROWLOCK	Australia	Registered	1769059	05/05/2016	1769059	05/05/2016
044781.020188	ARROWLOCK	Brazil	Registered	910991022	05/05/2016	910991022	04/03/2018
044781.020189	ARROWLOCK	Canada	Registered	1780446	05/03/2016	1048963	08/14/2019
044781.020190	ARROWLOCK	China	Registered	19883638	05/06/2016	19883638	06/28/2017
044781.020191	ARROWLOCK	European Union	Registered	15405046	05/03/2016	015405046	09/05/2016
044781.020192	ARROWLOCK	Japan	Registered	2016-50261	05/09/2016	5896535	11/11/2016
044781.020193	ARROWLOCK	Mexico	Registered	1743139	05/04/2016	1660701	08/01/2016
040792.020064	AUTOCAT	United States of America	Registered	75793700	09/08/1999	2717704	05/20/2003

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040792.020011	AUTOCAT2WAVE	United States of America	Registered	78408833	04/27/2004	3031561	12/20/2005
040792.020251	AUTOCAT2WAVE	China	Registered	37369077	04/09/2019	37369077	01/14/2020
040792.020261	AUTOCAT3WAVE	China	Registered	39791510	07/19/2019	39791510	04/14/2020
044869.020001	AUTOPILOT	United States of America	Registered	85561308	03/06/2012	4210039	09/18/2012
040792.020026	BLUE FLEXTIP	Germany	Registered	A54156	03/10/1993	2038342	07/15/1993
040792.020079	BLUE FLEXTIP	United States of America	Registered	73788521	03/23/1989	1668396	12/17/1991
040792.020097	BLUE FLEXTIP	Australia	Registered	725899	01/15/1997	725899	10/20/1997
040792.020098	BLUE FLEXTIP	Argentina	Registered	3795147	12/23/1996	3103889	05/20/2009
040792.020263	BLUE FLEXTIP	Russian Federation	Registered	2020724742	05/18/2020	785488	11/25/2020
040792.020268	BLUE FLEXTIP	European Union	Registered	018281892	07/31/2020	018281892	12/15/2020
040792.020271	BLUE FLEXTIP	United Kingdom	Registered	UK00918281892	07/31/2020	UK00918281892	12/15/2020

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040792.020005	CANNON	United States of America	Registered	784322296	06/09/2004	3049017	01/24/2006
040792.020257	CARDIOTHANE	China	Registered	37369073	04/09/2019	37369073	12/21/2019
040792.020102	CATH-GARD	United States of America	Registered	78571706	02/21/2005	3167527	11/07/2006
040792.020254	CATH-GARD	China	Registered	37369075	04/09/2019	37369075	12/21/2019
040792.020132	CHLORAG+ARD	Canada	Registered	1483928	06/07/2010	848026	04/09/2013
040792.020226	CLEARCLOT	China	Registered	25443874	07/21/2017	25443874	08/21/2018
040792.020227	CLEARCLOT	Japan	Registered	201796765	07/20/2017	6016792	02/02/2018
040792.020247	ERGOPACK	China	Registered	37369088	04/09/2019	37369088	12/14/2019
040792.021015	ERGOPACK	United States of America	Registered	85352755	06/22/2011	4269021	01/01/2013
040792.021016	ERGOPACK & (O Design)	United States of America	Registered	85352788	06/22/2011	4269022	01/01/2013
040792.020010	FIBEROPTIX	United States of America	Registered	78433678	06/11/2004	3099491	05/30/2006

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040792.020139	FLEXBLOCK	European Union	Registered	009678095	01/21/2011	009678095	06/03/2011
040792.020140	FLEXBLOCK	Canada	Registered	1512147	01/21/2011	TMA876134	04/22/2014
040792.020141	FLEXBLOCK	United States of America	Registered	85222914	01/21/2011	4301883	03/12/2013
040792.020045	FLEX TIP PLUS	United States of America	Registered	74396331	06/01/1993	1936297	11/21/1995
040792.021020	GLIDETHRU	United States of America	Registered	85377307	07/21/2011	4317849	04/09/2013
040792.020075	HANDS-OFF	United States of America	Registered	73714495	03/03/1988	1520722	01/17/1989
040792.006001	HEMOHOPPER	United Kingdom	Registered	007549413	01/26/2009	UK0090007549413	12/24/2009
040792.020122	HEMOHOPPER	United States of America	Registered	77654799	01/22/2009	3775970	04/13/2010
040792.020124	HEMOHOPPER	Canada	Registered	1425565	01/26/2009	767340	05/19/2010

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040792.020125	HEMOHOPPER	European Union	Registered	007549413	01/26/2009	007549413	12/24/2009
040792.020090	Light Blue Catheter (& Dark Blue Tip Design)	Argentina	Registered	3795148	01/22/1997	3103890	05/20/2009
040792.020113	MYDIALSISCARE.COM	United States of America	Registered	77171668	05/03/2007	3355955	12/18/2007
040792.020274	NAVICURVE	United States of America	Registered	97108872	11/04/2021	7044655	05/02/2023
040792.020275	NAVICURVE	Canada	Pending	2145531	11/05/2021		
040792.020110	NEXTSTEP	United States of America	Registered	77023552	10/10/2006	3595291	03/24/2009
040792.020267	NEXTSTEP	Russian Federation	Registered	2020724747	05/18/2020	779056	10/12/2020
040792.020078	PLEURA-SEAL	United States of America	Registered	73643513	02/09/1987	1454099	08/25/1987
040792.020106	PROACTIVE COUNTERPULSATION	United States of America	Registered	78835469	03/13/2006	3332225	11/06/2007

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040792.020069	QUICKFLASH	United States of America	Registered	74407501	06/30/1993	1866314	12/06/1994
040792.020255	REDIGUARD	China	Registered	37369074	04/09/2019	37369074	12/21/2019
040792.020269	REDIGUARD	United States of America	Registered	77078180	01/08/2007	3293315	09/20/2007
040792.020270	REDIGUARD	European Union	Registered	018382973	01/25/2021	018382973	05/20/2021
040792.020272	REDIGUARD	United Kingdom	Registered	UK00003599156	02/22/2021	UK00003599156	06/25/2021
040792.020066	RIC	United States of America	Registered	74396401	06/01/1993	1837364	05/24/1994
040792.020166	SECONDSITE	United States of America	Registered	85429397	09/22/2011	4415319	10/08/2013
040792.021023	SECONDSITE	Canada	Registered	1544680	09/22/2011	880919	06/27/2014
040792.020034	SHARPSAWAY	United States of America	Registered	74396348	06/01/1993	1836685	05/17/1994

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040792.020068	SLIC	United States of America	Registered	74560342	08/12/1994	1914745	05/29/1995
040792.020104	SMARTSEAL	United States of America	Registered	78635280	05/23/2005	3240574	05/08/2007
040792.020126	SNAPTear	United States of America	Registered	77815276	08/28/2009	3901549	01/04/2011
040792.020028	STIMUCATH	United States of America	Registered	76041431	05/05/2000	2711737	04/29/2003
040792.020241	STIMUCATH	China	Registered	37369085	04/09/2019	37369085	12/21/2019
040792.020120	STIMUPOD	Canada	Registered	1416780	11/03/2008	791432	02/23/2011
040792.020004	STIMUQUIK	United States of America	Registered	78367551	02/13/2004	3046882	01/17/2006
040792.020240	STIMUQUIK	China	Registered	37369086	04/09/2019	37369086	12/21/2019
040792.020083	SUPER ARROW-FLEX	United States of America	Registered	78508256	10/29/2004	3028607	12/13/2005

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040792.020123	SUREBLOCK	United States of America	Registered	77653263	01/21/2009	3773048	04/06/2010
040792.020259	TAPERFREE	United States of America	Registered	88379833	04/10/2019	6161317	09/29/2020
040792.020072	THE COLOR BLUE AND YELLOW FOR CATHETERS TIP (& Blue and Body Design)	United States of America	Registered	75245595	02/18/1997	2208091	12/08/1998
040792.020086	THE COLOR BLUE FOR CATHETER TIPS	France	Registered	97660796	01/02/1997	97660796	01/27/1997
040792.020089	THE COLOR BLUE FOR CATHETER TIPS (Darker Blue) AND BODIES	France	Registered	97660798	01/27/1997	97660798	01/27/1997
040792.020071	THE COLOR BLUE FOR CATHETERS (& Tip and Body Design)	United States of America	Registered	75215973	12/19/1996	2875842	08/24/2004
040792.020087	THE COLOR BLUE FOR CATHETERS (& Tip and Body Design)	France	Registered	97660797	01/27/1997	97660797	01/27/1997
040792.020076	THE COLOR BLUE FOR CATHETERS TIP (& Dark Blue and Body Design)	United States of America	Registered	75245594	02/18/1997	2213772	12/29/1998

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040792.020074	THE COLOR BLUE FOR CATHETERS TIP (Design)	United States of America	Registered	75215972	12/19/1996	2213729	12/29/1998
040792.020067	<i>THERACATH</i>	<i>United States of America</i>	<i>Registered</i>	74396349	06/01/1993	1837795	05/31/1994
040792.020220	TIGHTTRACK	United States of America	Registered	87163181	09/07/2016	5932351	12/10/2019
040792.006004	TIPTRACKER	United Kingdom	Registered	015346158	04/15/2016	UK009015346158	08/11/2016
040792.020201	TIPTRACKER	Australia	Registered	1765041	04/15/2016	1765041	04/15/2016
040792.020202	TIPTRACKER	Brazil	Registered	910913919	04/15/2016	910913919	03/27/2018
040792.020203	TIPTRACKER	Chile	Registered	1203688	05/11/2016	1243029	04/06/2017
040792.020204	TIPTRACKER	Colombia	Registered	16095131	04/14/2016	569974	07/26/2017
040792.020205	TIPTRACKER	Costa Rica	Registered	2016003457	04/14/2016	257189	11/28/2016
040792.020206	TIPTRACKER	Dominican Republic	Registered	201612690	04/14/2016	232430	08/02/2016
040792.020207	TIPTRACKER	Ecuador	Registered	IEPI-2016-15993	04/19/2016	SENADI2018TI8830	05/14/2018

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040792.020208	TIPTRACKER	European Union	Registered	015346158	04/15/2016	015346158	08/11/2016
040792.020209	TIPTRACKER	Guatemala	Registered	20164279	05/09/2016	219893	12/01/2016
040792.020210	TIPTRACKER	Mexico	Registered	1744491	05/06/2016	1665483	08/17/2016
040792.020213	TIPTRACKER	Panama	Registered	249484	05/04/2016	249484	05/04/2016
040792.020214	TIPTRACKER	Peru	Registered	658723	04/20/2016	239396	07/14/2016
040792.020217	TIPTRACKER	Switzerland	Registered	547522016	04/18/2016	691157	04/18/2016
040792.020219	TIPTRACKER	Venezuela	Registered	5458/2016	04/25/2016	P364693	10/05/2017
040792.020278	TIPTRACKER	United States of America	Pending	97938483	05/16/2023		
040792.020070	TWIN CATH	United States of America	Registered	73701614	12/18/1987	1497571	07/26/1988
040792.020027	ULTRA 8	United States of America	Registered	75931900	02/29/2000	2541455	02/19/2002
040792.020137	ULTRAQUIK	Canada	Registered	1512146	01/21/2011	878306	05/21/2014
044781.020198	ULTRAQUIK	China	Registered	37369079	04/09/2019	37369079	12/21/2019

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040792.020065	USERGARD	United States of America	Registered	74396394	06/01/1993	1903486	07/04/1995
040792.020252	USERGARD	China	Registered	37369076	04/09/2019	37369076	12/21/2019
040792.020148	VESSEL HEALTH AND PRESERVATION	United States of America	Registered	85420218	09/12/2011	4119855	03/27/2012
044869.020018	VISIOVALVE	China	Registered	11995060	01/23/2013	11995060	06/21/2014
091644.006000	V-POD	United Kingdom	Registered	010452084	11/29/2011	UK009010452084	05/02/2012
091644.020009	V-POD	European Union	Registered	010452084	11/29/2011	010452084	05/02/2012
091644.020004	VPS	United States of America	Registered	77679067	02/26/2009	3842463	08/31/2010
040792.006003	VPS RHYTHM	United Kingdom	Registered	015346174	04/15/2016	UK009015346174	08/25/2016
040792.020171	VPS RHYTHM	United States of America	Registered	86818018	11/12/2015	5242222	07/11/2017
040792.020181	VPS RHYTHM	Australia	Registered	1765642	04/19/2016	1765642	04/19/2016

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040792.020182	VPS RHYTHM	Brazil	Registered	910914001	04/15/2016	910914001	03/27/2018
040792.020183	VPS RHYTHM	Chile	Registered	1200962	04/21/2016	1264043	11/22/2017
040792.020184	VPS RHYTHM	Colombia	Registered	16095140	04/14/2016	569975	07/26/2017
040792.020185	VPS RHYTHM	Costa Rica	Registered	2016003455	04/14/2016	256309	10/10/2016
040792.020186	VPS RHYTHM	Dominican Republic	Registered	201616690	04/14/2016	232080	08/02/2016
040792.020187	VPS RHYTHM	Ecuador	Registered	IEPI-2016-15994	04/19/2016	SENADI2018TI8833	05/14/2018
040792.020188	VPS RHYTHM	European Union	Registered	015346174	04/15/2016	015346174	08/25/2016
040792.020189	VPS RHYTHM	Guatemala	Registered	2016-03777	04/22/2016	218228	10/07/2016
040792.020190	VPS RHYTHM	Mexico	Registered	1736393	04/14/2016	1662920	08/10/2016
040792.020191	VPS RHYTHM	New Zealand	Registered	1041193	04/15/2016	1041193	08/01/2017
040792.020192	VPS RHYTHM	Norway	Registered	201605317	04/28/2016	289346	10/20/2016
040792.020193	VPS RHYTHM	Panama	Registered	249446	04/29/2016	249466	04/29/2016
040792.020194	VPS RHYTHM	Peru	Registered	660745	05/06/2016	241258	09/06/2016
040792.020196	VPS RHYTHM	South Africa	Registered	2016/11036	04/22/2016	2016/11036	07/23/2021

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040792.020197	VPS RHYTHM	Switzerland	Registered	547552016	04/18/2016	691032	04/18/2016
040792.020199	VPS RHYTHM	Venezuela	Registered	5460/2016	04/25/2016	P364694	10/05/2017
040792.020262	VPS RHYTHM	Canada	Pending	1995474	11/13/2019		
091644.006001	VPS-POD	United Kingdom	Registered	010452365	11/29/2011	UK009010452365	05/02/2012
091644.020011	VPS-POD	European Union	Registered	010452365	11/29/2011	010452365	05/02/2012
040792.020009	WAVE	United States of America	Registered	78430895	06/07/2004	3031625	12/20/2005

SCHEDULE 2

NEOTRACT

Patents and Patent Applications

See attached Schedule 2 Part A

Trademarks and Trademark Applications

See attached Schedule 2 Part B

SCHEDULE 2**PART A – PATENTS AND PATENT APPLICATIONS**

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0002	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/134,870	5/20/2005	7758594	7/20/2010
83455.0002.C1	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	13/844,020	3/15/2013	8900252	12/2/2014
83455.0002.C2	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	14/535,266	11/6/2014	10105132	10/23/2018
83455.0002.C3	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	16/107,447	8/21/2018	11090036	8/17/2021

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0002.C4	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	16/433,018	6/6/2019	10575844	3/3/2020
83455.0002.C5	Published	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	16/798,112	2/21/2020		
83455.0002.C6	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	17/412,402	8/26/2021	11,471,148	10/18/2022
83455.0002.C7	Published	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	18/181,857	3/10/2023		
83455.0002.D1	Expired	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/838,036	8/13/2007	7914542	3/29/2011

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0002.D2	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/838,050			
83455.0002.D3	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/838,058	8/13/2007	8343187	1/1/2013
83455.0002.D4	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/838,066			
83455.0002.D5	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/838,076	8/13/2007	8663243	3/4/2014
83455.0002.D6	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/838,092			

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0002.D7	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	11/838,103	8/13/2007	8715239	5/6/2014
83455.0002.D8	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	12/253,821	10/17/2008		
83455.0002.D9	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	13/073,763	3/28/2011	8734468	5/27/2014
83455.0002.DEEP	Issued	Germany	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	1887976	5/19/2006	1887976	1/26/2022
83455.0002.EP	issued	EP	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	6770621.8	5/19/2006	1887976	1/26/2022

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0002.FREP	Issued	France	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	1887976	5/19/2006	1887976	1/26/2022
83455.0002.GBEP	Issued	United Kingdom	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	1887976	5/19/2006	1887976	1/26/2022
83455.0002.IEEP	Issued	Ireland	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	1887976	5/19/2006	1887976	1/26/2022
83455.0002.NLEP	Issued	Netherlands	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	1887976	5/19/2006	1887976	1/26/2022
83455.0002.PCT	Expired	PCT	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	PCT/US2006/019372	5/19/2006		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0003	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	11/318,246	12/22/2005	7645286	1/12/2010
83455.0003.C1	Expired	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	14/586,456	12/30/2014	10143461	12/4/2018
83455.0003.C2	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	16/166,650	10/22/2018	10945719	3/16/2021
83455.0003.D1	Expired	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	11/833,660	8/3/2007	8940001	1/27/2015

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0003.D2	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	11/833,676	8/3/2007		
83455.0003.D3	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	11/833,689			
83455.0003.D4	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	11/833,710	8/3/2007	7951158	5/31/2011
83455.0003.D5	Expired	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	11/833,727	8/3/2007	7815655	10/19/2010

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0003.D6	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	12/399,816	3/6/2009	8043309	10/25/2011
83455.0003.DEEP	Abandoned	Germany	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	1962720	12/21/2006	1962720	3/29/2017
83455.0003.EP	Abandoned	EP	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	6845991.6	12/21/2006	1962720	3/29/2017
83455.0003.EP.D1	Published	EP	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	17150545.6	12/21/2006		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0003.FREP	Abandoned	France	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	1962720	12/21/2006	1962720	3/29/2017
83455.0003.GBEP	Abandoned	United Kingdom	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	1962720	12/21/2006	1962720	3/29/2017
83455.0003.IEEP	Abandoned	Ireland	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	1962720	12/21/2006	1962720	3/29/2017
83455.0003.JP	Abandoned	Japan	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	2008-547592	12/21/2006		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0003.JP.D1	Issued	Japan	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	2012-104915	12/21/2006	6130627	4/21/2017
83455.0003.NLEP	Abandoned	Netherlands	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	1962720	12/21/2006	1962720	3/29/2017
83455.0003.PCT	Expired	PCT	DEVICES, SYSTEMS AND METHODS FOR RETRACTING, LIFTING, COMPRESSING, SUPPORTING OR REPOSITIONING TISSUES OR ANATOMICAL STRUCTURES	PCT/US2006/04896 2	12/21/2006		
83455.0004	Issued	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/492,690	7/24/2006	7896891	3/1/2011
83455.0004.C1	Issued	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	13/762,657	2/8/2013	8715298	5/6/2014

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0004.C2	Issued	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	13/843,842	3/15/2013	8936609	1/20/2015
83455.0004.C3	Abandoned	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	14/586,385	12/30/2014		
83455.0004.C4	Expired	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	14/663,420	3/19/2015	10299780	5/28/2019
83455.0004.D1	Issued	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/833,299	8/3/2007	8007503	8/30/2011
83455.0004.D2	Abandoned	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/833,331			

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0004.D3	Abandoned	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/833,310			
83455.0004.D4	Abandoned	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/833,340			
83455.0004.D5	Issued	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/833,350	8/3/2007	7780682	8/24/2010
83455.0004.D6	Expired	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/833,359	8/3/2007		
83455.0004.D7	Abandoned	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	11/833,371			

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0004.D8	Issued	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	12/986,890	1/7/2011	8211118	7/3/2012
83455.0004.D9	Issued	U.S.	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	13/037,097	2/28/2011	8394110	3/12/2013
83455.0004.DEEP	Abandoned	Germany	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	2049023	7/20/2007	2049023	12/24/2014
83455.0004.EP	Abandoned	EP	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	07840462.1	7/20/2007	2049023	12/24/2014
83455.0004.FREP	Abandoned	France	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	2049023	7/20/2007	2049023	12/24/2014

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0004.GBEP	Abandoned	United Kingdom	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	2049023	7/20/2007	2049023	12/24/2014
83455.0004.IEEP	Abandoned	Ireland	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	2049023	7/20/2007	2049023	12/24/2014
83455.0004.NLEP	Abandoned	Netherlands	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	2049023	7/20/2007	2049023	12/24/2014
83455.0004.PCT	Expired	PCT	APPARATUS AND METHOD FOR MANIPULATING OR RETRACTING TISSUE AND ANATOMICAL STRUCTURE	PCT/US2007/07401 ⁹	7/20/2007		
83455.0005	Issued	U.S.	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	11/671,914	2/6/2007	8,157,815	4/17/2012
83455.0005.C1	Abandoned	U.S.	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	14/016,984	9/3/2013		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0005.D1	Issued	U.S.	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	11/837,614	8/13/2007	7766923	8/3/2010
83455.0005.D2	Issued	U.S.	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	11/837,623	8/13/2007	7905889	3/15/2011
83455.0005.D3	Abandoned	U.S.	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	12/791,805	6/1/2010	8603106	12/10/2013
83455.0005.DEEP	Issued	Germany	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	2111167	2/5/2008	2111167	11/7/2018
83455.0005.EP	Issued	EP	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	08729001.1	2/5/2008	2111167	11/7/2018
83455.0005.EP.D1	Abandoned	EP	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	18198716.5	2/5/2008		
83455.0005.FREP	Abandoned	France	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	2111167	2/5/2008	2111167	11/7/2018
83455.0005.GBEP	Issued	United Kingdom	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	2111167	2/5/2008	2111167	11/7/2018

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0005.HKEP.D1	Abandoned	Hong Kong	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	19130801.4	2/5/2008		
83455.0005.IEEP	Abandoned	Ireland	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	2111167	2/5/2008	2111167	11/7/2018
83455.0005.NLEP	Abandoned	Netherlands	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	2111167	2/5/2008	2111167	11/7/2018
83455.0005.PCT	Expired	PCT	INTEGRATED HANDLE ASSEMBLY FOR ANCHOR DELIVERY SYSTEM	PCT/US2008/053001	2/5/2008		
83455.0006	Issued	U.S.	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	11/775,162	7/9/2007	8945152	2/3/2015
83455.0006.CN	Issued	China	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	200880106011.0	7/9/2008	101795641B	8/6/2014
83455.0006.CN.D1	Issued	China	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	201410345568.7	7/9/2008	104083183B	4/21/2017
83455.0006.D1	Abandoned	U.S.	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	14/579,879	12/22/2014		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0006.DEEP	Issued	Germany	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	2164427	7/9/2008	2164427	5/31/2017
83455.0006.EP	Issued	EP	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	8772483.7	7/9/2008	2164427	5/31/2017
83455.0006.FREP	Issued	France	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	2164427	7/9/2008	2164427	5/31/2017
83455.0006.GBEP	Issued	United Kingdom	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	2164427	7/9/2008	2164427	5/31/2017
83455.0006.IEEP	Issued	Ireland	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	2164427	7/9/2008	2164427	5/31/2017
83455.0006.NLEP	Issued	Netherlands	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	2164427	7/9/2008	2164427	5/31/2017
83455.0006.PCT	Expired	PCT	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	PCT/US2008/069560	7/9/2008		
83455.0007	Issued	U.S.	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	11/775,167	7/9/2007	8758366	6/24/2014

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83455.0008	Issued	U.S.	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	11/775,173	7/9/2007	7909836	3/22/2011
83455.0008.C1	Issued	U.S.	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	13/844,229	3/15/2013	9320511	4/26/2016
83455.0008.D1	Issued	U.S.	MULTI-ACTUATING TRIGGER ANCHOR DELIVERY SYSTEM	12/942,870	11/9/2010	8425535	4/23/2013
83455.0059	Abandoned	U.S.	ANCHORS FOR USE IN MEDICAL APPLICATIONS	13/034,016	2/24/2011		
83455.0059.P1	Expired	U.S.	ANCHORS FOR USE IN MEDICAL APPLICATIONS	61/311,205	3/5/2010		
83455.0063	Issued	U.S.	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	12/512,674	7/30/2009	8216254	7/10/2012
83455.0063.C1	Abandoned	U.S.	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	13/489,793	6/6/2012		
83455.0063.CN	Issued	China	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	200980130076.3	7/30/2009	102112064B	3/26/2014

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0063.DEEP	Abandoned	Germany	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2339970	7/30/2009	602009055675.0	11/14/2018
83455.0063.DEEP.D 1	Issued	Germany	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345373	7/30/2009	602009061919.5	4/29/2020
83455.0063.DEEP.D 2	Issued	Germany	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345374	7/30/2009	602009062098.3	5/20/2020
83455.0063.EP	Abandoned	EP	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	09791008.7	7/30/2009	2339970	11/14/2018
83455.0063.EP.D1	Issued	EP	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	11154962.2	7/30/2009	2345373	4/29/2020
83455.0063.EP.D2	Issued	EP	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	11154976.2	7/30/2009	2345374	5/20/2020
83455.0063.FREP	Abandoned	France	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2339970	7/30/2009	2339970	11/14/2018
83455.0063.FREP.D 1	Issued	France	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345373	7/30/2009	2345373	4/29/2020

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0063.FREP.D 2	Issued	France	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345374	7/30/2009	2345374	5/20/2020
83455.0063.GBEP	Abandoned	United Kingdom	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2339970	7/30/2009	2339970	11/14/2018
83455.0063.GBEP.D 1	Issued	United Kingdom	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345373	7/30/2009	2345373	4/29/2020
83455.0063.GBEP.D 2	Issued	United Kingdom	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345374	7/30/2009	2345374	5/20/2020
83455.0063.IEEP	Abandoned	Ireland	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2339970	7/30/2009	2339970	11/14/2018
83455.0063.IEEP.D1	Issued	Ireland	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345373	7/30/2009	2345373	4/29/2020
83455.0063.IEEP.D2	Issued	Ireland	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345374	7/30/2009	2345374	5/20/2020
83455.0063.JP	Issued	Japan	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2011-521328	7/30/2009	5571079	7/4/2014

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0063.JP.D1	Issued	Japan	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2013-231461	7/30/2009	5871284	1/22/2016
83455.0063.NLEP	Abandoned	Netherlands	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2339970	7/30/2009	2339970	11/14/2018
83455.0063.NLEP.D 1	Issued	Netherlands	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345373	7/30/2009	2345373	4/29/2020
83455.0063.NLEP.D 2	Issued	Netherlands	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	2345374	7/30/2009	2345374	5/20/2020
83455.0063.PCT	Expired	PCT	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	PCT/US2009/05227 1	7/30/2009		
83455.0063P	Expired	U.S.	ANCHOR DELIVERY SYSTEM WITH REPLACEABLE CARTRIDGE	61/084,937	7/30/2008		
83455.0070	Issued	U.S.	SLOTTED ANCHOR DEVICE	12/512,731	7/30/2009	9034001	5/19/2015
83455.0070.DEEP	Issued	Germany	SLOTTED ANCHOR DEVICE	2344048	7/30/2009	2344048	9/7/2016
83455.0070.EP	Issued	EP	SLOTTED ANCHOR DEVICE	9791011.1	7/30/2009	2344048	9/7/2016
83455.0070.FREP	Issued	France	SLOTTED ANCHOR DEVICE	2344048	7/30/2009	2344048	9/7/2016

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0070.GBEP	Issued	United Kingdom	SLOTTED ANCHOR DEVICE	2344048	7/30/2009	2344048	9/7/2016
83455.0070.IEEP	Issued	Ireland	SLOTTED ANCHOR DEVICE	2344048	7/30/2009	2344048	9/7/2016
83455.0070.NLEP	Issued	Netherlands	SLOTTED ANCHOR DEVICE	2344048	7/30/2009	2344048	9/7/2016
83455.0070.PCT	Expired	PCT	SLOTTED ANCHOR DEVICE	PCT/US2009/052275	7/30/2009		
83455.0070-1139.012PRV	Expired	U.S.	SLOTTED ANCHOR DEVICE	61/084,943	7/30/2008		
83455.0072	Issued	U.S.	DEFORMING ANCHOR DEVICE	12/852,748	8/9/2010	9149266	10/6/2015
83455.0073	Issued	U.S.	COILED ANCHOR DEVICE	12/852,729	8/9/2010	8394113	3/12/2013
83455.0073.D1	Expired	U.S.	COILED ANCHOR DEVICE	13/763,987	2/11/2013	8888799	11/18/2014
83455.0074	Issued	U.S.	LATCHING ANCHOR DEVICE	12/852,939	8/9/2010	8668705	3/11/2014
83455.0074.C1	Abandoned	U.S.	LATCHING ANCHOR DEVICE	16/234,336	12/27/2018		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0074.D1	Issued	U.S.	LATCHING ANCHOR DEVICE	14/145,821	12/31/2013	9486203	11/8/2016
83455.0074.D2	Issued	U.S.	LATCHING ANCHOR DEVICE	15/342,408	11/3/2016	10265061	4/23/2019
83455.0084	Issued	U.S.	ANCHOR DELIVERY SYSTEM	12/852,243	8/6/2010	8333776	12/18/2012
83455.0084.C1	Issued	U.S.	ANCHOR DELIVERY SYSTEM	13/692,876	12/3/2012	8939996	1/27/2015
83455.0084.EP	Abandoned	EP	ANCHOR DELIVERY SYSTEM	11814950.9	6/21/2011		
83455.0084.PCT	Expired	PCT	ANCHOR DELIVERY SYSTEM	PCT/US2011/041200	6/21/2011		
83455.0085	Issued	U.S.	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	12/979,065	12/27/2010	8491606	7/23/2013
83455.0085.C1	Abandoned	U.S.	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	13/928,130	6/26/2013		
83455.0085.DEEP	Abandoned	Germany	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	2658458	12/16/2011	602011064865.9	2/5/2020
83455.0085.EP	Abandoned	EP	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	11854148.1	12/16/2011	2658458	2/5/2020

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0085.FREP	Abandoned	France	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	2658458	12/16/2011	2658458	2/5/2020
83455.0085.GBEP	Abandoned	United Kingdom	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	2658458	12/16/2011	2658458	2/5/2020
83455.0085.IEEP	Abandoned	Ireland	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	2658458	12/16/2011	2658458	2/5/2020
83455.0085.NLEP	Abandoned	Netherlands	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	2658458	12/16/2011	2658458	2/5/2020
83455.0085.PCT	Expired	PCT	MEDIAN LOBE RETRACTION APPARATUS AND METHOD	PCT/US2011/065348	12/16/2011		
83455.0086	Issued	U.S.	MEDIAN LOBE DESTRUCTION APPARATUS AND METHOD	12/979,075	12/27/2010	8628542	1/14/2014
83455.0086.C1	Issued	U.S.	MEDIAN LOBE DESTRUCTION APPARATUS AND METHOD	14/089,760	11/26/2013	10426509	10/1/2019
83455.0086.C2	Issued	U.S.	MEDIAN LOBE DESTRUCTION APPARATUS AND METHOD	16/562,806	9/6/2019	11,504,149	11/22/2022

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0086.PCT	Expired	PCT	MEDIAN LOBE DESTRUCTION APPARATUS AND METHOD	PCT/US2011/065358	12/16/2011		
83455.0087	Issued	U.S.	MEDIAN LOBE BAND IMPLANT APPARATUS AND METHOD	12/979,078	12/27/2010	8529584	9/10/2013
83455.0087.C1	Issued	U.S.	MEDIAN LOBE BAND IMPLANT APPARATUS AND METHOD	13/845,826	3/18/2013	9402711	8/2/2016
83455.0087.PCT	Expired	PCT	MEDIAN LOBE BAND IMPLANT APPARATUS AND METHOD	PCT/US2011/065377	12/16/2011		
83455.0089	Abandoned	U.S.	SUTURE ANCHOR AND APPROXIMATING DEVICE	10/914,059	8/5/2004	7766939	8/3/2010
83455.0089.C1	Abandoned	U.S.	METHOD FOR ANCHORING SUTURE AND APPROXIMATING TISSUE	13/838,500	3/15/2013	8777992	7/15/2014
83455.0089.C2	Abandoned	U.S.	METHOD FOR ANCHORING SUTURE AND APPROXIMATING TISSUE	14/299,027	6/9/2014		
83455.0089.CA	Abandoned	Canada	SUTURE ANCHOR AND APPROXIMATING DEVICE	2477220	12/24/2002	2477220	11/6/2007

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0089.CH	Abandoned	Switzerland	SUTURE ANCHOR AND APPROXIMATING DEVICE	1482841	12/24/2002	1482841	7/12/2005
83455.0089.D1	Issued	U.S.	METHOD FOR ANCHORING SUTURE AND APPROXIMATING TISSUE	12/803,110	6/19/2010	8454655	6/4/2013
83455.0089.DE	Abandoned	Germany	SUTURE ANCHOR AND APPROXIMATING DEVICE	1482841	12/24/2002	1482841	7/12/2005
83455.0089.EP	Abandoned	EP	SUTURE ANCHOR AND APPROXIMATING DEVICE	02807095.1	12/24/2002	1482841	7/12/2005
83455.0089.ES	Abandoned	Spain	SUTURE ANCHOR AND APPROXIMATING DEVICE	1482841	12/24/2002	1482841	7/12/2005
83455.0089.FR	Abandoned	France	SUTURE ANCHOR AND APPROXIMATING DEVICE	1482841	12/24/2002	1482841	7/12/2005
83455.0089.GB	Abandoned	United Kingdom	SUTURE ANCHOR AND APPROXIMATING DEVICE	1482841	12/24/2002	1482841	7/12/2005
83455.0089.IT	Abandoned	Italy	SUTURE ANCHOR AND APPROXIMATING DEVICE	1482841	12/24/2002	1482841	7/12/2005
83455.0089.P	Expired	U.S.	SELF-FASTENING SUTURE ANCHOR	60/364,947	3/14/2002		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0089.PCT	Expired	PCT	SUTURE ANCHOR AND APPROXIMATING DEVICE	PCT/US2002/041399	12/24/2002		
83455.0089.SE	Abandoned	Sweden	SUTURE ANCHOR AND APPROXIMATING DEVICE		12/24/2002	1482841	7/12/2005
83455.0090	Issued	U.S.	CONTINUOUS INDENTATION LATERAL LOBE APPARATUS AND METHOD	12/979,089	12/27/2010	8834492	9/16/2014
83455.0090.C1	Issued	U.S.	CONTINUOUS INDENTATION LATERAL LOBE APPARATUS AND METHOD	14/454,556	8/7/2014	9931192	4/3/2018
83455.0090.EP	Abandoned	EP	CONTINUOUS INDENTATION LATERAL LOBE APPARATUS AND METHOD	11852778.7	12/16/2011		
83455.0090.PCT	Expired	PCT	CONTINUOUS INDENTATION LATERAL LOBE APPARATUS AND METHOD	PCT/US2011/065386	12/16/2011		
83455.0091	Issued	U.S.	METHOD AND APPARATUS FOR TREATING SEXUAL DYSFUNCTION	13/445,184	4/12/2012	9161749	10/20/2015

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0091.P1	Expired	U.S.	METHOD AND APPARATUS FOR TREATING SEXUAL DYSFUNCTION	61/475,516	4/14/2011		
83455.0092	Issued	U.S.	FLEXIBLE SYSTEM FOR DELIVERING AN ANCHOR	13/538,758	6/29/2012	10130353	11/20/2018
83455.0092.C1	Issued	U.S.	FLEXIBLE SYSTEM FOR DELIVERING AN ANCHOR	16/166,312	10/22/2018	11,331,093	5/17/2022
83455.0092.C2	Published	U.S.	FLEXIBLE SYSTEM FOR DELIVERING AN ANCHOR	17/723,826	4/19/2022		
83455.0092.C3	Published	U.S.	FLEXIBLE SYSTEM FOR DELIVERING AN ANCHOR	18/181,797	3/10/2023		
83455.0092.EP	Published	EP	FLEXIBLE SYSTEM FOR DELIVERING AN ANCHOR	13810314.8	6/4/2013		
83455.0092.PCT	Expired	PCT	FLEXIBLE SYSTEM FOR DELIVERING AN ANCHOR	PCT/US2013/04403 5	6/4/2013		
83455.0093	Issued	U.S.	SYSTEM FOR DELIVERING ANCHORS FOR TREATING INCONTINENCE	13/852,756	3/28/2013	10292801	5/21/2019

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83455.0093.C1	Abandoned	U.S.	SYSTEM FOR DELIVERING ANCHORS FOR TREATING INCONTINENCE	16/401,783	5/2/2019		
83455.0093.P1	Expired	U.S.	SYSTEM FOR DELIVERING ANCHORS FOR TREATING INCONTINENCE	61/617,244	3/29/2012		
83455.0098	Issued	U.S.	SUTURE ANCHORING DEVICES AND METHODS FOR USE	13/830,232	3/14/2013	9364212	6/14/2016
83455.0098.P	Expired	U.S.	SUTURE ANCHORING DEVICES AND METHODS FOR USE	61/707,752	9/28/2012		
83455.0099	Abandoned	U.S.	ANCHOR DELIVERY SYSTEM	13/830,684	3/14/2013		
83455.0099.C1	Issued	U.S.	ANCHOR DELIVERY SYSTEM	15/974,899	5/9/2018	10925587	2/23/2021
83455.0099.C2	Published	U.S.	ANCHOR DELIVERY SYSTEM	17/177,854	2/17/2021		
83455.0100	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	13/830,811	3/14/2013	10195014	2/5/2019

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83455.0100.C1	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	16/234,282	12/27/2018		
83455.0100.C2	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	16/433,054	6/6/2019	10912637	2/9/2021
83455.0100.C3	Published	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	17/224,996	4/7/2021		
83455.0100.C4	Published	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	18/181,914	3/10/2023		
83455.0101	Abandoned	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	14/209,633	3/13/2014		

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83455.0101.P1	Expired	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	61/800,303	3/15/2013		
83455.0102	Expired	U.S.	ANCHOR DELIVERY SYSTEM	13/833,299	3/15/2013	9504461	11/29/2016
83455.0102.C1	Issued	U.S.	ANCHOR DELIVERY SYSTEM	16/442,900	6/17/2019	11129608	9/28/2021
83455.0102.C2	Published	U.S.	ANCHOR DELIVERY SYSTEM	17/412,336	8/26/2021		
83455.0102.CN	Issued	China	ANCHOR DELIVERY SYSTEM	201480021090.0	3/6/2014	105120772	2/16/2018
83455.0102.CN.D1	Issued	China	ANCHOR DELIVERY SYSTEM	201810070555.1	3/6/2014	ZL201810070555.1	10/27/2020
83455.0102.D1	Issued	U.S.	ANCHOR DELIVERY SYSTEM	15/295,395	10/17/2016	10349932	7/16/2019
83455.0102.DEEP	Issued	Germany	ANCHOR DELIVERY SYSTEM	2967566	3/6/2014	602014054247.6	9/25/2019
83455.0102.DEEP.D1	Issued	Germany	ANCHOR DELIVERY SYSTEM	19199026.6	3/6/2014	3616628	11/8/2023
83455.0102.EP	Issued	EP	ANCHOR DELIVERY SYSTEM	14769110.9	3/6/2014	2967566	9/25/2019

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0102.EP.D1	Issued	EP	ANCHOR DELIVERY SYSTEM	19199026.6	3/6/2014	3616628	11/8/2023
83455.0102.EP.D2	Pending	EP	ANCHOR DELIVERY SYSTEM	23207346.0	3/6/2014		
83455.0102.FREP	Issued	France	ANCHOR DELIVERY SYSTEM	2967566	3/6/2014	2967566	9/25/2019
83455.0102.FREP.D 1	Issued	France	ANCHOR DELIVERY SYSTEM	19199026.6	3/6/2014	3616628	11/8/2023
83455.0102.GBEP	Issued	United Kingdom	ANCHOR DELIVERY SYSTEM	2967566	3/6/2014	2967566	9/25/2019
83455.0102.GBEP.D 1	Issued	United Kingdom	ANCHOR DELIVERY SYSTEM	19199026.6	3/6/2014	3616628	11/8/2023
83455.0102.HKCN.D 1	Issued	Hong Kong	ANCHOR DELIVERY SYSTEM	18108666.6	3/6/2014	HK1249721	3/19/2021
83455.0102.IEEP	Issued	Ireland	ANCHOR DELIVERY SYSTEM	2967566	3/6/2014	2967566	9/25/2019
83455.0102.IEEP.D1	Issued	Ireland	ANCHOR DELIVERY SYSTEM	19199026.6	3/6/2014	3616628	11/8/2023
83455.0102.JP	Issued	Japan	ANCHOR DELIVERY SYSTEM	2016-500702	3/6/2014	6189521	8/10/2017

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83455.0102.JP.D1	Abandoned	Japan	ANCHOR DELIVERY SYSTEM	2017-000989	3/6/2014		
83455.0102.JP.D2	Issued	Japan	ANCHOR DELIVERY SYSTEM	2019-102375	3/6/2014	6963587	10/19/2021
83455.0102.NLEP	Issued	Netherlands	ANCHOR DELIVERY SYSTEM	2967566	3/6/2014	2967566	9/25/2019
83455.0102.NLEP.D1	Issued	Netherlands	ANCHOR DELIVERY SYSTEM	19199026.6	3/6/2014	3616628	11/8/2023
83455.0102.WO	Expired	PCT	ANCHOR DELIVERY SYSTEM	PCT/US2014/021040	3/6/2014		
83455.0103	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	13/831,021	3/14/2013	9549739	1/24/2017
83455.0103.C1	Issued	U.S.	DEVICES, SYSTEMS AND METHODS FOR TREATING BENIGN PROSTATIC HYPERPLASIA AND OTHER CONDITIONS	15/382,929	12/19/2016	10492792	12/3/2019
83455.0104	Issued	U.S.	SYSTEM FOR DELIVERING AN ANCHOR	14/269,059	5/2/2014	10201343	2/12/2019

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83455.0104.C1	Abandoned	U.S.	SYSTEM FOR DELIVERING AN ANCHOR	16/234,367	12/27/2018		
83455.0104.P1	Expired	U.S.	SYSTEM FOR DELIVERING AN ANCHOR	61/819,507	5/3/2013		
83455.0105	Issued	U.S.	SYSTEM WITH RELOADABLE HANDLE FOR DELIVERING AN ANCHOR	14/296,284	6/4/2014	9877714	1/30/2018
83455.0105.D1	Issued	U.S.	SYSTEM WITH RELOADABLE HANDLE FOR DELIVERING AN ANCHOR	15/863,040	1/5/2018	10702261	7/7/2020
83455.0106	Abandoned	U.S.	MEDIAN LOBE ENGAGEMENT APPARATUS AND METHOD	62/439,874	12/28/2016		
83455.0107	Abandoned	U.S.	Sheath Assembly For A Transurethral Procedure	15/910,065	3/2/2018		
83455.0107.P	Expired	U.S.	Sheath Assembly For A Transurethral Procedure	62/466,928	3/3/2017		
83455.0108.P1	Expired	U.S.	MEDIAN LOBE ENGAGEMENT APPARATUS AND METHOD	62/610,184	12/23/2017		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0109	Issued	U.S.	URETHRA AND PROSTATE MODEL AND METHOD OF USE	16/360,383	3/21/2019	11,636,781	4/25/2023
83455.0109.P1	Expired	U.S.	URETHRA AND PROSTATE MODEL AND METHOD OF USE	62/646,741	3/22/2018		
83455.0110	Published	U.S.	SYSTEM FOR DELIVERY OF A FIDUCIAL MARKER	17/283,497	10/30/2019		
83455.0110.P1	Expired	U.S.	DEVICE AND SYSTEM FOR DELIVERY OF FIDUCIAL MARKERS	62/756,907	11/7/2018		
83455.0110.WO	Expired	PCT	SYSTEM FOR DELIVERY OF A FIDUCIAL MARKER	PCT/US2019/058708	10/30/2019		
83455.0111	Issued	U.S.	EXPANDABLE TISSUE ENGAGEMENT APPARATUS AND METHOD	16/577,013	9/20/2019	11,672,520	6/13/2023
83455.0111.AU	Issued	Australia	EXPANDABLE TISSUE ENGAGEMENT APPARATUS AND METHOD	2018389236	12/21/2018	2018389236	9/2/2021
83455.0111.BEEP	Issued	Belgium	EXPANDABLE TISSUE ENGAGEMENT APPARATUS AND METHOD	18834264.6	12/21/2018	3727171	6/7/2023

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0111.C1	Published	U.S.	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	18/188,942	3/23/2023		
83455.0111.EP	Issued	EP	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	18834264.6	12/21/2018	3727171	6/7/2023
83455.0111.EPD1	Published	EP	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	23169061.1	12/21/2018		
83455.0111.ESEP	Issued	Spain	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	18834264.6	12/21/2018	3727171	6/7/2023
83455.0111.GBEP	Issued	United Kingdom	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	18834264.6	12/21/2018	3727171	6/7/2023
83455.0111.GREP	Issued	Greece	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	18834264.6	12/21/2018	3727171	6/7/2023

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83455.0111.ITEP	Issued	Italy	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	18834264.6	12/21/2018	3727171	6/7/2023
83455.0111.JP	Issued	Japan	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	2020-554059	12/21/2018	7150871	9/30/2022
83455.0111.JP.D1	Published	Japan	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	2022-155511	12/21/2018		
83455.0111.SEEP	Issued	Sweden	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	18834264.6	12/21/2018	3727171	6/7/2023
83455.0111.SG	Issued	Singapore	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	11202005766X	12/21/2018	11202005766X	1/18/2023
83455.0111.SG.D1	Pending	Singapore	EXPANDABLE ENGAGEMENT APPARATUS AND METHOD	10202251621p	12/21/2018		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0111.WO	Expired	PCT	EXPANDABLE TISSUE ENGAGEMENT APPARATUS AND METHOD	PCT/US2018/067229	12/21/2018		
83455.0113.P1	Expired	U.S.	DEVICES AND METHODS FOR DIAGNOSING BLADDER CONDITIONS	62/863,310	6/19/2019		
83455.0113.P2	Abandoned	U.S.	DEVICES AND METHODS FOR DIAGNOSING BLADDER CONDITIONS	63/036,593	6/9/2020		
83455.0114	Issued	U.S.	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	17/178,679	2/18/2021	11,701,197	7/18/2023
83455.0114.C1	Published	U.S.	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	18/188,761	3/23/2023		
83455.0114.CN	Published	China	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	202180008356.8	2/18/2021		
83455.0114.EP	Published	EP	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	21711134.3	2/18/2021		
83455.0114.HKCN	Published	Hong Kong	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	62022064847.6	2/18/2021		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0114.JP	Published	Japan	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	2022-522645	2/18/2021		
83455.0114.P1	Expired	U.S.	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	62/979,903	2/21/2020		
83455.0114.WO	Expired	PCT	APPARATUS FOR PREVENTING DEVICE DEPLOYMENT FAILURE	PCT/US2021/018487	2/18/2021		
83455.0115	Published	U.S.	DEVICES AND METHODS FOR TARGETING IMPLANT DEPLOYMENT IN TISSUE	17/615,934	12/2/2021		
83455.0115.P1	Expired	U.S.	DEVICES AND METHODS FOR TARGETING IMPLANT DEPLOYMENT IN TISSUE	62/863,305	6/19/2019		
83455.0115.WO	Expired	PCT	DEVICES AND METHODS FOR TARGETING IMPLANT DEPLOYMENT IN TISSUE	PCT/US2020/038554	6/18/2020		
83455.0116.CN	Published	China	DEVICE FOR TREATING BLEEDING	201980073605.4	11/8/2019		
83455.0116.EP	Published	EP	DEVICE FOR TREATING BLEEDING	19816990.6	11/8/2019		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0116.HKCN	Pending	Hong Kong	DEVICE FOR TREATING BLEEDING	62021037053	11/8/2019		
83455.0116.JP	Pending	Japan	DEVICE FOR TREATING BLEEDING	2021-523955	11/8/2019		
83455.0116.P1	Expired	U.S.	Devices and Methods for Treating Epistaxis Using Hot Water Irrigation	62/757,270	11/8/2018		
83455.0116.US	Pending	U.S.	DEVICE FOR TREATING BLEEDING	17/283,844	4/8/2021		
83455.0116.WO	Expired	PCT	DEVICE FOR TREATING BLEEDING	PCT/US2019/060614	11/8/2019		
83455.0117.EP	Published	EP	NON-CONTACT RADIO-FREQUENCY HEATING	20804141.8	10/26/2020		
83455.0117.JP	Published	Japan	NON-CONTACT RADIO-FREQUENCY HEATING	2022-554272	10/26/2020		
83455.0117.P1	Expired	U.S.	NON-CONTACT RADIO-FREQUENCY HEATING	62/933,173	11/8/2019		
83455.0117.US	Published	U.S.	NON-CONTACT RADIO-FREQUENCY HEATING	17/774,559	5/5/2022		

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83455.0117.WO	Expired	PCT	NON-CONTACT RADIO-FREQUENCY HEATING	PCT/US2020/057339	1/26/2020		
83455.0118.AU	Issued	Australia	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	2021320088	7/23/2021	2021320088	10/6/2022
83455.0118.AU.D1	Pending	Australia	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	2022235568	7/23/2021		
83455.0118.CN	Pending	China	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	202180004974.5	7/23/2021		
83455.0118.DKEP	Issued	Denmark	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	21755260.3	7/23/2021	3989844	9/6/2023
83455.0118.EP	Issued	EP	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	21755260.3	7/23/2021	3989844	9/6/2023
83455.0118.EPD1	Published	EP	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	23194169.1	7/23/2021		
83455.0118.FIEP	Issued	Finland	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	21755260.3	7/23/2021	3989844	9/6/2023

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0118.GBEP	Issued	United Kingdom	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	21755260.3	7/23/2021	3989844	9/6/2023
83455.0118.HKEP	Published	Hong Kong	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	62022054266.1	7/23/2021		
83455.0118.IN	Pending	India	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	202217023521	7/23/2021		
83455.0118.JP	Issued	Japan	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	2022-510999	7/23/2021	7296522	6/14/2023
83455.0118.JPD1	Published	Japan	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	2023-096323	7/23/2021		
83455.0118.NOEP	Issued	Norway	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	21755260.3	7/23/2021	3989844	9/6/2023
83455.0118.P1	Expired	U.S.	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	63/060,442	8/3/2020		
83455.0118.SG	Pending	Singapore	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	11202200716X	7/23/2021		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0118.US01	Issued	U.S.	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	17/384,014	7/23/2021	11,298,115	4/12/2022
83455.0118.US02	Issued	U.S.	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	17/384,034	7/23/2021	11,801,041	10/31/2023
83455.0118.US03	Published	U.S.	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	17/384,056	7/23/2021		
83455.0118.USC1	Published	U.S.	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	18/339,645	6/22/2023		
83455.0118.WO	Expired	PCT	HANDLE AND CARTRIDGE SYSTEM FOR MEDICAL INTERVENTIONS	PCT/US2021/04290 2	7/23/2021		
83455.0119.P1	Abandoned	U.S.	FLEXIBLE INTRODUCER AND METHODS OF USE	63/145,658	2/4/2021		
83455.0120.P1	Abandoned	U.S.	TISSUE CUTTING SYSTEM AND METHODS OF USE	63/172,350	4/8/2021		
83455.0120.P2	Expired	U.S.	TISSUE CUTTING SYSTEM AND METHODS OF USE	63/322,662	3/23/2022		

Attorney Ref. No.	Status	Country	Patent Title	Patent Appln. No.	Filing Date	Patent No.	Issue Date
83455.0120.WO	Published	PCT	TISSUE MANIPULATING SYSTEM AND METHODS OF USE	PCT/US2023/01564 5	3/20/2023		
83455.0121.P1	Abandoned	U.S.	TISSUE MANIPULATING SYSTEM AND METHODS OF USE	63/238,607	8/30/2021		
83455.0121.P2	Expired	U.S.	TISSUE MANIPULATING SYSTEM AND METHODS OF USE	63/350,929	6/10/2022		

SCHEDULE 2

PART B – TRADEMARKS AND TRADEMARK APPLICATIONS

File #	Title	Country Name	Status	Application #	Date Filed	Registration #	Registration Date
111612.020009	NEOTRACT	Australia	Registered	1809896	07/19/2006	891661	07/19/2006
111612.020019	UROLIFT ATC	Australia	Registered	1453880	02/05/2019	1453880	02/05/2019
111612.020001	UROLIFT	Australia	Registered	1326883	10/20/2009	1326883	05/26/2010
111612.020031	UROLIFT	Brazil	Registered	917250419	05/03/2019	917250419	02/27/2020
111612.020014	NEOTRACT	Canada	Registered	1806243	10/25/2016	TMA993288	03/27/2018
111612.020004	UROLIFT	Canada	Registered	1550274	11/01/2011	TMA850704	05/13/2013
111612.020017	UROLIFT ATC	Canada	Registered	1924220	10/09/2018	1110710	10/04/2021
111612.020032	UROLIFT	Chile	Registered	1322281	05/02/2019	1312627	12/19/2019
111612.020048	NEOTRACT	China	Registered	59174576	09/13/2021	59174576	10/14/2022
111612.020025	NEOTRACT (Chinese Transliteration)	China	Registered	36105825	01/23/2019	36105825	09/07/2019
111612.020035	UROLIFT	China	Registered	49021899	08/18/2020	49021899	03/28/2021
111612.020049	UROLIFT	China	Registered	59182111	09/13/2021	59182111	10/21/2022
111612.020033	UROLIFT (Chinese Translation)	China	Registered	38066258	05/09/2019	38066258	01/28/2020
111612.020007	NEOTRACT	European Union	Registered	891661	07/19/2016	891661	07/19/2016
111612.020020	UROLIFT ATC	European Union	Registered	1453880	02/05/2019	1453880	02/05/2019
111612.020002	UROLIFT	European Union	Registered	8624157	10/19/2009	8624157	04/28/2010
111612.020027	UROLIFT	Hong Kong	Registered	304840047	02/26/2019	304840047	02/26/2019

File #	Title	Country Name	Status	Application #	Date Filed	Registration #	Registration Date
111612.020006	NEOTRACT	International Bureau (WIPO)	Registered	891661	07/19/2006	891661	07/19/2006
111612.020018	UROLIFT ATC	International Bureau (WIPO)	Registered	A0083031	02/05/2019	1453880	02/05/2019
111612.020008	NEOTRACT	Japan	Registered	891661	07/19/2006	891661	07/19/2006
111612.020028	UROLIFT	Japan	Registered	2019-038030	03/14/2019	6217818	01/20/2020
111612.020051	UROLIFT 2 ATC	Japan	Registered	2021-139180	11/09/2021	6553111	05/09/2022
111612.020011	NEOTRACT	Mexico	Registered	891661	07/19/2006	891661	07/19/2006
111612.020015	UROLIFT	Mexico	Registered	119851812811	10/25/2016	1731870	03/13/2017
111612.020010	NEOTRACT	Republic of Korea	Registered	891661	07/19/2006	891661	07/19/2006
111612.020012	UROLIFT (& Korean Characters)	Republic of Korea	Registered	4020150054710	07/22/2015	4011910430000	07/18/2016
111612.020029	UROLIFT	Saudi Arabia	Registered	182582	05/05/2019	1440022071	09/09/2019
111612.020030	UROLIFT Stylized	Saudi Arabia	Registered	182583	05/05/2019	1440022072	09/09/2019
111612.020024	NEOTRACT	Singapore	Registered	891661	07/19/2006	891661	07/19/2006
111612.020023	UROLIFT	Singapore	Registered	40201820970X	10/12/2018	40201820970X	10/12/2018
111612.020021	NEOTRACT	Taiwan	Registered	107067106	10/17/2018	01983811	05/01/2019
111612.020022	UROLIFT	Taiwan	Registered	107067104	10/17/2018	01983810	05/01/2019
111612.020003	UROLIFT	Turkey	Registered	2009-55769	10/21/2009	2009-55769	12/20/2010
111612.006001	NEOTRACT	United Kingdom	Registered	891661	07/19/2016	UK008891661	07/19/2016
111612.006002	UROLIFT ATC	United Kingdom	Registered	1453880	02/05/2019	UK0081453880	02/05/2019
111612.006000	UROLIFT	United Kingdom	Registered	8624157	10/19/2009	UK0098624157	04/28/2010

File #	Title	Country Name	Status	Application #	Date Filed	Registration #	Registration Date
111612.020005	NEOTRACT	United States of America	Registered	78795323	01/19/2006	3600304	03/31/2009
111612.020013	UROLIFT (Stylized)	United States of America	Registered	87296231	01/10/2017	5256109	08/01/2017
111612.020050	UROLIFT 2 ATC	United States of America	Allowed	97068442	10/11/2021		
111612.020016	UROLIFT ATC	United States of America	Registered	88140719	10/03/2018	6211704	12/01/2020
111612.020000	UROLIFT	United States of America	Registered	77184568	05/18/2007	3609328	04/21/2009

SCHEDULE 3

VASCULAR SOLUTIONS

Third Party Agreements

See attached Schedule 3 Part A

Patents and Patent Applications

See attached Schedule 3 Part B

Trademarks and Trademark Applications

See attached Schedule 3 Part C

SCHEDULE 3

PART A – THIRD PARTY AGREEMENTS

- Intellectual Property License Agreement with Arrow, effective as of January 1, 2018;
- Intellectual Property License Agreement with Teleflex Medical Europe Ltd. ("**TME**"), effective as of January 1, 2018;
- Intellectual Property License Agreement with Vascular Solutions LLC ("**Vascular Solutions**"), originally effective as of August 10, 2017;
- Intellectual Property License Agreement with Vascular Solutions (license back), originally effective as of August 10, 2017;
- Intellectual Property License Agreement with TME, originally effective as of August 10, 2017;
- Sale and Assignment Agreement, effective as of August 16, 2017;
- Intellectual Property and Exclusive Distributor Agreement with Vascular Solutions, effective as of March 5, 2018;
- Settlement and Cross-License Agreement with AngioDynamics, effective as of December 21, 2010;
- License Agreement originally with King Pharmaceuticals, Inc. and King Pharmaceuticals Research and Development, Inc., effective as of January 9, 2007;
- Master License Agreement with Surmodics, Inc., effective as of March 22, 2011;
- License Agreement with Chambers Technology, LLC, effective as of April 26, 2010;
- License Agreement with Eric Gandras, M.D. and Craig R. Greben, M.D., effective as of February 5, 2008;
- License Agreement with Eric Gandras, M.D. and Craig R. Greben, M.D., effective as of January 15, 2009;
- License Agreement with Buller Innovations, Inc., effective as of January 27, 2015;

- License Agreement with Dr. David Daniels, effective as of November 20, 2015;
- License Agreement with Craig R. Greben, M.D., effective as of July 17, 2009;
- License Agreement with Craig R. Greben, M.D., effective as of November 12, 2007;
- License Agreement with Phil Langston, effective as of January 13, 2004;
- License Agreement with Phil Langston, effective as of October 18, 2004;
- License Agreement with Cardiac Peripherals LLC and Paul Sorajja, M.D., effective as of May 24, 2019;
- Intellectual Property Purchase and Assignment Agreement with Buller Innovations Inc. and Dr. Christopher Buller;
- Services and Fee Agreement with Phil Langston, effective as of September 26, 2017;
- Cooperative Research and Development Agreement with US Army Medical Materiel Development Activity, dated April 22, 2014;
- Asset Purchase Agreement with the Secured Parties of Angiosonics, Inc. dated April 29, 2002;
- Settlement Agreement with AngioDynamics, Inc. dated December 21, 2010;
- License Agreement with Craig R. Greben, M.D. dated March 2, 2009;
- License Agreement with Eric Gandras, M.D. dated January 16, 2007;
- Amended and Restated License Agreement with Innovative Medical Devices, LLC dated October 22, 2007;
- Copyright Licensing Agreement with National Marrow Donor Program dated January 11, 2016;
- License Agreement with Phil Langston dated April 1, 2005;
- Materials Development and License Agreement with POLY-MED, Inc. dated December 21, 2015;

- License Agreement with William Nicholson, M.D. dated September 1, 2015;
- License Agreement with Eric Gandras, M.D. and Craig Greben, M.D. dated March 1, 2010;
- License Agreement with Eric Gandras, M.D. and Craig Greben, M.D. dated October 27, 2013;
- Health Care Professional Consulting Agreement with Dr. Sandeep Bagla, M.D. dated May 13, 2016;
- Consulting Agreement with Dr. Daniel B. Brown, M.D. dated March 16, 2015;
- Consulting Agreement with .J. Richard Trout, Ph.D. dated August 12, 2015;
- Consulting Agreement with Dr. C. David Mazer, M.D. dated September 29, 2015;
- Health Care Professional Consulting Agreement with Dr. Dmitri Karpaliotis, M.D. dated June 13, 2016;
- Health Care Professional Consulting Agreement with Dr. David Daniels dated February 1, 2016;
- Health Care Professional Consulting Agreement with Tony DeMartini dated March 27, 2016;
- Health Care Professional Consulting Agreement with Dr. Thomas Biggs dated October 17, 2016;
- Health Care Professional Consulting Agreement with Dr. James McCabe dated September 25, 2016;
- Health Care Professional Consulting Agreement with Dr. Kambis Mashayekhi dated November 30, 2015;
- Health Care Professional Consulting Agreement with Dr. Thom Dahle dated October 13, 2016;
- Consulting Agreement with Dr. Eric Gandras, M.D. dated May 6, 2016;
- Consulting Agreement with Dr. Craig Greben dated May 10, 2016;
- Medical Advisory Consulting Agreement with Mark Goodwin , M.D. dated February 26, 2015, as amended by Addendum to, and Extension of, Consulting Agreement dated January 29, 2016;

- Health Care Professional Consulting Agreement with Dr. Colm Hanratty dated June 1, 2015, as amended by Health Care Professional Consulting Agreement Extension dated May 25, 2016;
- Medical Advisory Consulting Agreement with Dr. Goran Olivecrona dated January 9, 2015, as amended by Addendum to, and Extension of, Consulting Agreement dated December 11, 2015;
- Consulting Agreement with The Alpha Bio Group, LLC for the services to be provided by Dr. John Pehta, M.D. dated September 19, 2014;
- Health Care Professional Consulting Agreement with Dr. Philip C. Spinella, M.D. dated June 30, 2015, as amended by Health Care Professional Consulting Agreement Extension dated June 13, 2016;
- Health Care Professional Consulting Agreement with Dr. William Lambardi, MD dated October 27, 2016;
- Health Care Professional Consulting Agreement with Dr. R. Michael Wyman, MD dated November 3, 2016;
- Health Care Professional Consulting Agreement with Dr. J. Aaron Grantham, MD dated November 3, 2016;
- Health Care Professional Consulting Agreement with Dr. Bilal Murad, MD dated November 10, 2016;
- Health Care Professional Consulting Agreement with Dr. James Spratt, MD dated November 26, 2016;
- Health Care Professional Consulting Agreement with Dr. Kambis Mashayekhi dated December 1, 2016;
- Medical Advisory Consulting Agreement with Dr. James Spratt dated November 25, 2014, as supplemented by Supplements to Medical Advisory Consulting Agreement dated February 9, 2015, and as amended by Addendum to Consulting Agreement dated October 11, 2015 and Medical Advisory Consulting Agreement Extension;
- Health Care Professional Consulting Agreement with Dr. Julian Strange dated August 15, 2016, and Speaker Agreement with Dr. Julian Strange dated February 18, 2016;
- Consulting Agreement with Steven W. Swann FACS M.D. dated July 3, 2014 as amended by Consulting Agreement Extension dated June 13, 2016;
- Health Care Professional Consulting Agreement with Dr. Simon Walsh dated June 1, 2015, as amended by Health Care Professional Consulting Agreement Extension dated May 25, 2016;

- Coating Services Agreement with Hydromer, Inc. dated January 14, 2014;
- Distribution Agreement with Greatbatch Ltd., dated May 24, 2010, as amended by Amendment to Distribution Agreement dated November 2, 2012 and Amendment No. 2 to Distribution Agreement dated December 9, 2015;
- Supply Agreement with Greatbatch Ltd., dated December 21, 2009;
- Settlement Agreement with Boston Scientific Corporation dated July 30, 2014;
- Settlement Agreement with Datascope Corp. dated November 8, 2002;
- Settlement Agreement with St. Jude Medical Puerto Rico B.V. and Daig Corporation dated July 12, 2001;
- Settlement Agreement with Diomed, Inc. dated June 21, 2006;
- Settlement Agreement with Diomed, Inc. dated April 18, 2008;
- Settlement Agreement with Tyco Healthcare Group LP d/b/a VNUS Medical Technologies dated June 2, 2008, and as amended July 21, 2010, September 8, 2011, and November 8, 2011;
- Settlement Agreement with Terumo Corporation dated October 11, 2013;
- Thrombin Supply Agreement with King Pharmaceuticals dated January 9, 2007, as amended by First Amendment to Thrombin-JMI Supply Agreement dated July 30, 2007;
- Master Development Services Agreement with Pfizer Inc. dated April 1, 2013; and
- Cooperative Research and Development Agreement with US Army Medical Materiel Development Activity, dated April 22, 2014.

SCHEDULE 3

PART B – PATENTS AND PATENT APPLICATIONS

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-0984-US01	Abandoned	ULTRASONIC TRANSMISSION APPARATUS	U.S.	07/842,529	2/27/1992	5269297	12/14/1993
VSI-0985-US01	Expired	IN VIVO ULTRASONIC SYSTEM WITH ANGIOPLASTY AND ULTRASONIC CONTRAST IMAGING	U.S.	07/449,465	12/12/1989	5163421	11/17/1992
VSI-0986-US01	Abandoned	ULTRASOUND TRANSMISSION APPARATUS AND METHOD OF USING SAME	U.S.	08/858,247	5/19/1997	5971949	10/26/1999
VSI-0987-US01	Abandoned	ULTRASOUND TRANSMISSION APPARATUS HAVING A TIP	U.S.	09/321,268	5/27/1999	6241703	6/5/2001
VSI-0988-US01	Abandoned	VASCULAR SEALING DEVICE	U.S.	08/067,213	5/25/1993	5383896	1/24/1995

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-0988-US02	Abandoned	VASCULAR SEALING DEVICE	U.S.	08/303,088	9/8/1994		
VSI-0988-US03	Expired	VASCULAR SEALING DEVICE	U.S.	08/832,600	3/31/1997	5957952	9/28/1999
VSI-0989-US01	Abandoned	VASCULAR SEALING APPARATUS	U.S.	08/549,430	10/27/1995		
VSI-0989-US02	Abandoned	VASCULAR SEALING APPARATUS	U.S.	08/877,255	6/17/1997	6017359	1/25/2000
VSI-0989-US03	Abandoned	Vascular sealing apparatus	U.S.	09/491,108	1/25/2000	6296658	10/2/2001
VSI-0990-US01	Abandoned	VASCULAR SEALING APPARATUS AND METHOD	U.S.	08/549,332	10/27/1995	5626601	5/6/1997
VSI-0990-US02	Expired	VASCULAR SEALING APPARATUS AND METHOD	U.S.	08/850,477	5/5/1997	5868778	2/9/1999
VSI-0991-US01	Expired	THROMBIN AND COLLAGEN PROCOAGULANT AND PROCESS FOR MAKING THE SAME	U.S.	09/031,847	2/27/1998	5951583	9/14/1999
VSI-0991-US02	Abandoned	THROMBIN AND COLLAGEN PROCOAGULANT AND PROCESS FOR MAKING THE SAME	U.S.	09/345,889	7/1/1999		

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-0992-US01	Abandoned	Shaped Introducer For Vascular Access	U.S.	11/942,635	11/19/2007		
VSI-0992-USPR	Expired	Shaped introducer for vascular intervention	U.S.	60/860,678	11/21/2006		
VSI-0993-US01	Abandoned	Laser fiber for endovenous therapy having a shielded distal tip	U.S.	10/879,701	6/29/2004		
VSI-0993-US02	Abandoned	Laser fiber for endovenous therapy having a shielded distal tip	U.S.	11/648,086	12/29/2006		
VSI-0994-EP01	Abandoned	FLOW MONITOR AND VASCULAR ACCESS SYSTEM WITH CONTINUOUSLY VARIABLE FREQUENCY CONTROL	EP	93109712.5	6/17/1993	574923	10/9/2002
VSI-0994-US01	Expired	FLOW MONITOR AND VASCULAR ACCESS SYSTEM WITH CONTINUOUSLY VARIABLE FREQUENCY CONTROL	U.S.	07/901,466	6/19/1992	5259386	11/9/1993
VSI-0994-US02	Expired	FLOW MONITOR AND VASCULAR ACCESS SYSTEM WITH CONTINUOUSLY VARIABLE FREQUENCY CONTROL	U.S.	08/142,151	10/25/1993	5363852	11/15/1994

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-0995-CA01	Abandoned	APPARATUS FOR THE CANNULATION OF BLOOD VESSELS	Canada	2085912	12/21/1992		
VSI-0995-EP01	Abandoned	APPARATUS FOR THE CANNULATION OF BLOOD VESSELS	EP	92121687.5	12/21/1992	548872	6/25/1997
VSI-0995-US01	Expired	APPARATUS FOR THE CANNULATION OF BLOOD VESSELS	U.S.	07/813,123	12/23/1991	5259385	11/9/1993
VSI-0996-US01	Expired	SYRINGE WITH ULTRASOUND EMITTING TRANSDUCER FOR FLOW-DIRECTED CANNULATION OF ARTERIES AND VEINS	U.S.	08/003,203	1/12/1993	5311871	5/17/1994
VSI-0997-US01	Expired	APPARATUS FOR USE IN CANNULATION OF BLOOD VESSELS	U.S.	07/296,272	1/11/1989	4887606	12/19/1989
VSI-0998-CA01	Abandoned	COAXIAL CABLE VASCULAR ACCESS SYSTEM	Canada	2168781	8/4/1994		
VSI-0998-EP01	Abandoned	COAXIAL CABLE VASCULAR ACCESS SYSTEM FOR USE IN VARIOUS NEEDLES	EP	94924111.1	8/4/1994	712294	1/2/2003

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-0998-US01	Expired	COAXIAL CABLE VASCULAR ACCESS SYSTEM FOR USE IN VARIOUS NEEDLES	U.S.	08/102,607	8/5/1993	5484416	1/16/1996
VSI-0999-CA01	Abandoned	GUIDED HYPODERMIC CANNULA	Canada	2587604	11/16/2005		
VSI-0999-US01	Abandoned	GUIDED HYPODERMIC CANNULA	U.S.	11/084,491	3/18/2005		
VSI-0999-USPR	Expired	NEEDLE AND PROBE ASSEMBLY	U.S.	60/628,809	11/17/2004		
VSI-1000-US01	Expired	GUIDE WIRE LOADING METHOD AND APPARATUS	U.S.	12/218,031	7/9/2008	8206321	6/26/2012
VSI-1001-EP01	Abandoned	GUIDE WIRE LOADING METHOD AND APPARATUS WITH TOWEL ATTACHMENT MECHANISM	EP	9795106.5	7/8/2009		
VSI-1001-US01	Expired	GUIDE WIRE LOADING METHOD AND APPARATUS WITH TOWEL ATTACHMENT MECHANISM	U.S.	12/498,965	7/7/2009	8231550	7/31/2012
VSI-1001-WO01	Expired	GUIDE WIRE LOADING METHOD AND APPARATUS WITH TOWEL ATTACHMENT MECHANISM	PCT	PCT/US2009/049912	7/8/2009		

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1002-US01	Expired	GUIDE WIRE LOADING METHOD AND APPARATUS WITH TOWEL ATTACHMENT MECHANISM AND RETAINING MEMBER	U.S.	12/831,630	7/7/2010	8366638	2/5/2013
VSI-1003-US01	Expired	HAND HELD VEIN REMOVAL DEVICE	U.S.	13/410,440	3/2/2012	8834500	9/16/2014
VSI-1003-USPR	Expired	HAND HELD VEIN REMOVAL DEVICE	U.S.	61/449,334	3/4/2011		
VSI-1004-US01	Expired	VASCULAR ACCESS CLOSURE SYSTEM	U.S.	10/452,826	6/2/2003	7488340	2/10/2009
VSI-1006-US01	Issued	HEMOSTATIC CLIP	U.S.	12/483,698	6/12/2009	8246585	8/21/2012
VSI-1006-USPR	Expired	HEMOSTATIC CLIP	U.S.	61/073,622	6/18/2008		
VSI-1007-CA01	Issued	Elongated Expandable Member for Occluding Varicose Veins	Canada	2817242	11/1/2012	2817242	5/1/2018
VSI-1007-DEEP	Issued	Elongated Expandable Member for Occluding Varicose Veins	Germany	12801657.3	11/1/2012	2673014	5/4/2016
VSI-1007-EP01	Issued	Elongated Expandable Member for Occluding Varicose Veins	EP	12801657.3	11/1/2012	2673014	5/4/2016

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1007-GBEP	Issued	Elongated Expandable Member for Occluding Varicose Veins	United Kingdom	12801657.3	11/1/2012	2673014	5/4/2016
VSI-1007-IEEP	Issued	Elongated Expandable Member for Occluding Varicose Veins	Ireland	12801657.3	11/1/2012	2673014	5/4/2016
VSI-1007-NOEP	Issued	Elongated Expandable Member for Occluding Varicose Veins	Norway	12801657.3	11/1/2012	2673014	5/4/2016
VSI-1007-US01	Issued	Elongated Expandable Member for Occluding Varicose Veins	U.S.	13/310,503	12/2/2011	8758427	6/24/2014
VSI-1007-US02	Issued	Elongated Expandable Member for Occluding Varicose Veins	U.S.	14/298,066	6/6/2014	9351736	5/31/2016
VSI-1007-WO01	Expired	Elongated Expandable Member for Occluding Varicose Veins	PCT	PCT/US2012/06310 1	11/1/2012		
VSI-1008-US01	Issued	SMALL DIAMETER INTRAVASCULAR CATHETER WITH SCREW TIP AND LIMITED TORSIONAL DISPLACEMENT	U.S.	11/585,371	10/24/2006	7981091	7/19/2011
VSI-1010-US01	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	11/416,629	5/3/2006	8048032	11/1/2011
VSI-1010-US02	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	12/824,734	6/28/2010	8142413	3/27/2012

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VSI-1010-US03	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	13/359,059	1/26/2012	8292850	10/23/2012
VSI-1010-USRE1	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	14/070,161	11/1/2013	RE45380	2/17/2015
VSI-1010-USRE2	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	14/195,385	3/3/2014	RE45760	10/20/2015
VSI-1010-USRE3	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	14/195,413	3/3/2014	RE45776	10/27/2015
VSI-1010-USRE4	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	14/195,435	3/3/2014	RE46116	8/23/2016
VSI-1010-USRE5	Issued	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	14/984,273	12/30/2015	RE47379	5/7/2019
VSI-1010-USRE6	Pending	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	16/184,706	11/8/2018		
VSI-1010-USRE7	Pending	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	16/220,925	12/14/2018		

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VSI-1010-USRE8	Pending	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	16/220,951	12/14/2018		
VSI-1010-USRE9	Pending	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	16/220,975	12/14/2018		
VSI-1010-USRE10	Pending	COAXIAL GUIDE CATHETER FOR INTERVENTIONAL CARDIOLOGY PROCEDURES	U.S.	16/220,996	12/14/2018		
VSI-1012-US01	Abandoned	ABDOMINAL TISSUE SUPPORT FOR FEMORAL PUNCTURE PROCEDURES	U.S.	11/029,908	1/5/2005	7455649	11/25/2008
VSI-1013-US01	Abandoned	METAL VASCULAR APERTURE CLOSURE DEVICE	U.S.	12/501,998	7/13/2009	8192456	6/5/2012
VSI-1013-US02	Issued	METAL VASCULAR APERTURE CLOSURE DEVICE	U.S.	12/502,034	7/13/2009	8252022	8/28/2012
VSI-1014-DEEP	Abandoned	SURGICAL SNARE APPARATUS	Germany	1916539.8	3/9/2001	1263336	2/18/2004
VSI-1014-EP01	Abandoned	SURGICAL SNARE APPARATUS	EP	1916539.8	3/9/2001	1263336	2/18/2004
VSI-1014-ESEP	Abandoned	SURGICAL SNARE APPARATUS	Spain	1916539.8	3/9/2001	1263336	2/18/2004

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VSI-1014-FREP	Abandoned	SURGICAL APPARATUS SNARE	France	1916539.8	3/9/2001	1263336	2/18/2004
VSI-1014-GBEP	Abandoned	SURGICAL APPARATUS SNARE	United Kingdom	1916539.8	3/9/2001	1263336	2/18/2004
VSI-1014-IEEP	Abandoned	SURGICAL APPARATUS SNARE	Ireland	1916539.8	3/9/2001	1263336	2/18/2004
VSI-1014-ITEP	Abandoned	SURGICAL APPARATUS SNARE	Italy	1916539.8	3/9/2001	1263336	2/18/2004
VSI-1014-US01	Expired	SMALL DIAMETER SNARE	U.S.	09/803,308	3/9/2001	6554842	4/29/2003
VSI-1014-USPR	Expired	SMALL DIAMETER SNARE	U.S.	60/188,390	3/10/2000		
VSI-1014-WO01	Expired	SURGICAL APPARATUS SNARE	PCT	PCT/US01/07680	3/9/2001		
VSI-1015-US01	Issued	CONVERTIBLE GUIDEWIRE SYSTEM AND METHODS	U.S.	12/204,583	9/4/2008	8083690	12/27/2011
VSI-1016-IT01	Expired	Two-lumen suction catheter for distal protection in a percutaneous intervention	Italy	MI2002A002666	12/17/2002	102002901072607	10/18/2007

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VSI-1016-US01	Expired	TWO-LUMEN CATHETER FOR DISTAL PROTECTION IN PERCUTANEOUS CORONARY AND PERIPHERAL INTERVENTION	U.S.	10/462,079	6/13/2003	7025751	4/11/2006
VSI-1017-US01	Issued	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE	U.S.	12/498,985	7/7/2009	8523824	9/3/2013
VSI-1018-US01	Expired	MEDICAL DEVICE PACKAGE	U.S.	29/182,858	6/2/2003	D489973	5/18/2004
VSI-1019-US01	Issued	GUIDEWIRE TIPPED LASER FIBER	U.S.	11/860,880	9/25/2007	8298215	10/30/2012
VSI-1020-EP01	Abandoned	DEVICES AND METHODS FOR CROSSING A CHRONIC TOTAL OCCLUSION	EP	4781984.2	8/19/2004		
VSI-1020-EP02	Abandoned	DEVICES AND METHODS FOR CROSSING A CHRONIC TOTAL OCCLUSION	EP	7023966	8/19/2004		
VSI-1020-JP01	Abandoned	DEVICES AND METHODS FOR CROSSING A CHRONIC TOTAL OCCLUSION	Japan	2006-525359	8/19/2004	4680907	
VSI-1020-US01	Issued	DEVICES AND METHODS FOR CROSSING A CHRONIC TOTAL OCCLUSION	U.S.	10/653,879	9/2/2003	7763012	7/27/2010

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VSI-1020-WO01	Expired	DEVICES AND METHODS FOR CROSSING A CHRONIC TOTAL OCCLUSION	PCT	PCT/US04/27405	8/19/2004		
VSI-1021-US01	Expired	VASCULAR DILATOR SYSTEMS, KITS, AND METHODS	U.S.	13/784,073	3/4/2013	9078991	7/14/2015
VSI-1021-US02	Abandoned	VASCULAR DILATOR SYSTEMS, KITS, AND METHODS	U.S.	14/735,974	6/10/2015		
VSI-1022-US01	Issued	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	14/553,722	11/25/2014	9561893	2/7/2017
VSI-1022-US02	Issued	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	15/399,643	1/5/2017	10377520	8/13/2019
VSI-1022-US03	Issued	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	16/386,026	4/16/2019	10,882,654	1/5/2021
VSI-1022-US04	Issued	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	17/079,790	10/26/2020	11,279,510	3/22/2022
VSI-1022-USPR	Expired	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	61/912,281	12/5/2013		

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VSI-1023-US01	Abandoned	ELONGATE EXPANDABLE MEMBER FOR OCCLUDING VASCULAR VESSEL	U.S.	14/630,291	2/24/2015		
VSI-1023-USPR	Expired	ELONGATE EXPANDABLE MEMBER FOR OCCLUDING VASCULAR VESSEL	U.S.	61/945,699	2/27/2014		
VSI-1024-US01	Issued	GUIDEWIRE CAPTURE	U.S.	14/709,531	5/12/2015	10,729,454	8/4/2020
VSI-1024-USPR	Expired	GUIDEWIRE CAPTURE	U.S.	62/048,734	9/10/2014		
VSI-1025-US01	Issued	GUIDEWIRES AND METHODS FOR PERCUTANEOUS OCCLUSION CROSSING	U.S.	14/697,819	4/28/2015	10391282	8/27/2019
VSI-1025-USPR	Expired	GUIDEWIRES AND METHODS FOR PERCUTANEOUS OCCLUSION CROSSING	U.S.	62/022,024	7/8/2014		
VSI-1026-CN01	Issued	PERFUSION CATHETERS AND RELATED METHODS	China	201580060554.3	9/10/2015	ZL201580060554.3	6/28/2019
VSI-1026-CN02	Issued	PERFUSION CATHETERS AND RELATED METHODS	China	201710468567.5	9/10/2015	ZL201710468567.5	6/16/2020
VSI-1026-DEEP	Issued	PERFUSION CATHETERS AND RELATED METHODS	Germany	3125781	9/10/2015	60 2015 019 592.2	11/7/2018

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VSI-1026-DEEP2	Issued	PERFUSION CATHETERS AND RELATED METHODS	Germany	3400886	9/10/2015	60 2015 042 778.5	11/27/2019
VSI-1026-EP01	Issued	PERFUSION CATHETERS AND RELATED METHODS	EP	15770712.6	9/10/2015	3125781	11/7/2018
VSI-1026-EP02	Issued	PERFUSION CATHETERS AND RELATED METHODS	EP	18177601.4	9/10/2015	3400886	11/27/2019
VSI-1026-ESEP	Issued	PERFUSION CATHETERS AND RELATED METHODS	Spain	3125781	9/10/2015	3125781	11/7/2018
VSI-1026-FREP	Issued	PERFUSION CATHETERS AND RELATED METHODS	France	3125781	9/10/2015	3125781	11/7/2018
VSI-1026-FREP2	Issued	PERFUSION CATHETERS AND RELATED METHODS	France	3400886	9/10/2015	3400886	11/27/2019
VSI-1026-GBEP	Issued	PERFUSION CATHETERS AND RELATED METHODS	United Kingdom	3125781	9/10/2015	3125781	11/7/2018
VSI-1026-GBEP2	Issued	PERFUSION CATHETERS AND RELATED METHODS	United Kingdom	3400886	9/10/2015	3400886	11/27/2019
VSI-1026-HKCN	Issued	PERFUSION CATHETERS AND RELATED METHODS	Hong Kong	17109379.3	9/10/2015	1235648	3/20/2020
VSI-1026-HKCN2	Issued	PERFUSION CATHETERS AND RELATED METHODS	Hong Kong	18105018.7	9/10/2015	1245614	2/5/2021

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VSI-1026-IEEP2	Issued	PERFUSION CATHETERS AND RELATED METHODS	Ireland	3400886	9/10/2015	3400886	11/27/2019
VSI-1026-ITEP	Issued	PERFUSION CATHETERS AND RELATED METHODS	Italy	3125781	9/10/2015	3125781	11/7/2018
VSI-1026-JP01	Issued	PERFUSION CATHETERS AND RELATED METHODS	Japan	2016-515958	9/10/2015	6097447	2/24/2017
VSI-1026-JP02	Issued	PERFUSION CATHETERS AND RELATED METHODS	Japan	2017-28336	9/10/2015	6326517	4/20/2018
VSI-1026-NLEP2	Issued	PERFUSION CATHETERS AND RELATED METHODS	Netherlands	3400886	9/10/2015	3400886	11/27/2019
VSI-1026-US01	Issued	PERFUSION CATHETERS AND RELATED METHODS	U.S.	14/850,095	9/10/2015	10159821	12/25/2018
VSI-1026-US02	Issued	PERFUSION CATHETERS AND RELATED METHODS	U.S.	15/296,183	10/18/2016	9968763	5/15/2018
VSI-1026-US03	Issued	PERFUSION CATHETERS AND RELATED METHODS	U.S.	16/191,833	11/15/2018	10,864,355	12/15/2020
VSI-1026-US04	Published	PERFUSION CATHETERS AND RELATED METHODS	U.S.	16/191,833	11/15/2018		
VSI-1026-USPR	Expired	PERFUSION CATHETER	U.S.	62/048,726	9/10/2014		

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VSI-1026-WO01	Expired	PERFUSION CATHETERS AND RELATED METHODS	PCT	PCT/US15/49356	9/10/2015		
VSI-1027-USPR	Expired	PERFUSION CATHETERS AND RELATED METHODS	U.S.	62/078,240	11/11/2014		
VSI-1028-US01	Abandoned	VASCULAR INTRODUCER INCLUDING EXPANDABLE PASSAGE MEMBER	U.S.	13/191,889	7/27/2011		
VSI-1028-US02	Abandoned	VASCULAR INTRODUCER INCLUDING EXPANDABLE PASSAGE MEMBER	U.S.	14/734,967	6/9/2015		
VSI-1029-US01	Issued	DRAINAGE OR FEEDING CATHETER ASSEMBLY	U.S.	14/206,940	3/12/2014	9522253	12/20/2016
VSI-1029-USPR	Expired	DRAINAGE OR FEEDING CATHETER ASSEMBLY	U.S.	61/780,832	3/13/2013		
VSI-1030-CA01	Issued	CAPTURE ASSEMBLY AND METHOD	Canada	2955841	9/10/2015	2955841	6/27/2017
VSI-1030-DEEP	Issued	CAPTURE ASSEMBLY AND METHOD	Germany	3125789	9/10/2015	602015004478.9	8/30/2017
VSI-1030-EP01	Issued	CAPTURE ASSEMBLY AND METHOD	EP	15767400.3	9/10/2015	3125789	8/30/2017
VSI-1030-ESEP	Issued	CAPTURE ASSEMBLY AND METHOD	Spain	15767400.3	9/10/2015	3125789	8/30/2017

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VSI-1030-FREP	Issued	CAPTURE ASSEMBLY AND METHOD	France	15767400.3	9/10/2015	3125789	8/30/2017
VSI-1030-GBEP	Issued	CAPTURE ASSEMBLY AND METHOD	United Kingdom	15767400.3	9/10/2015	3125789	8/30/2017
VSI-1030-ITEP	Issued	CAPTURE ASSEMBLY AND METHOD	Italy	3125789	9/10/2015	502017000132140	8/30/2017
VSI-1030-US01	Issued	CAPTURE ASSEMBLY AND METHOD	U.S.	14/849,774	9/10/2015	9351747	5/31/2016
VSI-1030-US02	Issued	CAPTURE ASSEMBLY AND METHOD	U.S.	15/148,038	5/6/2016	10390849	8/27/2019
VSI-1030-USPR	Expired	THROMBECTOMY ASSEMBLY AND METHOD	U.S.	62/048,736	9/10/2014		
VSI-1030-WO01	Expired	CAPTURE ASSEMBLY AND METHOD	PCT	PCT/US15/49299	9/10/2015		
VSI-1031-USPR	Abandoned	GUIDEWIRE CATHETER	U.S.	62/048,741	9/10/2014		
VSI-1032-US01	Issued	CATHETER	U.S.	14/673,966	3/31/2015	9636477	5/2/2017
VSI-1032-US02	Issued	CATHETER	U.S.	15/441,352	2/24/2017	10,390,849	8/27/2019

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VSI-1032-US03	Published	CATHETER	U.S.	17/061,025	10/1/2020		
VSI-1032-USPR	Expired	CATHETER	U.S.	62/061,781	10/9/2014		
VSI-1033-EP01	Abandoned	GUIDE WIRE CONTROL CATHETERS FOR CROSSING OCCLUSIONS AND RELATED METHODS OF USE	EP	3783618.6	11/18/2003		
VSI-1033-JP01	Abandoned	GUIDE WIRE CONTROL CATHETERS FOR CROSSING OCCLUSIONS AND RELATED METHODS OF USE	Japan	2004-555478	11/18/2003	4546250	
VSI-1033-US01	Abandoned	Guide wire control catheters for crossing occlusions and related methods of use	U.S.	10/301,779	11/22/2002		
VSI-1033-US02	Abandoned	GUIDE WIRE CONTROL CATHETER FOR CROSSING OCCLUSIONS AND RELATED METHODS OF USE	U.S.	12/207,391	9/9/2008		
VSI-1033-US03	Abandoned	GUIDE WIRE CONTROL CATHETER FOR CROSSING OCCLUSIONS AND RELATED METHODS OF USE	U.S.	14/619,730	2/11/2015		

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VSI-1033-WO01	Expired	GUIDE WIRE CONTROL CATHETERS FOR CROSSING OCCLUSIONS AND RELATED METHODS OF USE	PCT	PCT/US03/36783	11/18/2003		
VSI-1035-EP01	Abandoned	SMALL-DIAMETER SNARE	EP	5724826.2	3/7/2005	EP1722697	11/22/2006
VSI-1035-US01	Abandoned	SMALL-DIAMETER SNARE	U.S.	11/074,827	3/7/2005		
VSI-1035-USPR	Expired	SMALL-DIAMETER SNARE	U.S.	60/551,313	3/8/2004		
VSI-1035-WO01	Expired	SMALL-DIAMETER SNARE	PCT	PCT/US05/07361	3/7/2005		
VSI-1036-US01	Abandoned	SYSTEM AND METHOD FOR REMOVAL OF MATERIAL FROM A BLOOD VESSEL USING A SMALL DIAMETER CATHETER	U.S.	11/583,873	10/19/2006		
VSI-1036-WO01	Expired	SYSTEM AND METHOD FOR REMOVAL OF MATERIAL FROM A BLOOD VESSEL USING A SMALL DIAMETER CATHETER	PCT	PCT/US07/22216	10/18/2007		

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VSI-1037-US01	Abandoned	SYSTEM AND METHOD FOR REMOVAL OF MATERIAL FROM A BLOOD VESSEL	U.S.	12/275,822	11/21/2008		
VSI-1038-US01	Abandoned	SYSTEM AND METHOD FOR REMOVAL OF MATERIAL FROM A BLOOD VESSEL USING A SMALL DIAMETER CATHETER	U.S.	12/098,201	4/4/2008		
VSI-1039-EP01	Abandoned	GUIDE WIRE AND CATHETER MANAGEMENT DEVICE	EP	9795110.7	7/8/2009		
VSI-1039-JP01	Abandoned	GUIDE WIRE AND CATHETER MANAGEMENT DEVICE	Japan	2011-517563	7/8/2009		
VSI-1039-US01	Abandoned	GUIDE WIRE AND CATHETER MANAGEMENT DEVICE	U.S.	12/217,852	7/8/2008		
VSI-1039-WO01	Expired	GUIDE WIRE AND CATHETER MANAGEMENT DEVICE	PCT	PCT/US09/49919	7/8/2009		
VSI-1040-US01	Abandoned	GUIDE WIRE RETENTION AND POSITIONING APPARATUS	U.S.	12/148,681	4/21/2008		
VSI-1042-US01	Abandoned	TISSUE TRACT SEALING DEVICE	U.S.	10/007,786	12/7/2001	6840952	1/11/2005
VSI-1043-US01	Abandoned	TISSUE TRACT SEALING DEVICE	U.S.	10/145,179	5/13/2002		

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VSI-1044-US01	Abandoned	METHOD AND APPARATUS FOR COAGULATION AND CLOSURE OF PSEUDOANEURYSMS	U.S.	09/943,584	8/30/2001		
VSI-1045-US01	Issued	Stenotic Region Scoring Assembly and Method	U.S.	14/991,065	1/8/2016	10,456,160	10/29/2019
VSI-1045-USPR	Expired	Stenotic Region Scoring Assembly and Method	U.S.	62/129,997	3/9/2015		
VSI-1046-US01	Abandoned	PATH CREATION THROUGH OCCLUSION	U.S.	15/254,386	9/1/2016		
VSI-1046-USPR	Expired	PATH CREATION THROUGH OCCLUSION	U.S.	62/257,777	11/20/2015		
VSI-1047-CA01	Issued	Guidewire Fixation	Canada	2974544	5/24/2016	2974544	2/27/2018
VSI-1047-CN01	Issued	Guidewire Fixation	China	201680011318.7	5/24/2016	ZL201680011318.7	2/15/2019
VSI-1047-DEEP	Issued	Guidewire Fixation	Germany	3302674	5/24/2016	3302674	1/30/2019
VSI-1047-EP01	Issued	Guidewire Fixation	EP	16728179.9	5/24/2016	3302674	1/30/2019
VSI-1047-EP02	Published	Guidewire Fixation	EP	18204252.3	5/24/2016		

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VSI-1047-ESEP	Issued	Guidewire Fixation	Spain	3302674	5/24/2016	3302674	1/30/2019
VSI-1047-FREP	Issued	Guidewire Fixation	France	3302674	5/24/2016	3302674	1/30/2019
VSI-1047-GBEP	Issued	Guidewire Fixation	United Kingdom	3302674	5/24/2016	3302674	1/30/2019
VSI-1047-HKCN	Published	Guidewire Fixation	Hong Kong	17111832	5/24/2016		
VSI-1047-IEEP	Issued	Guidewire Fixation	Ireland	3302674	5/24/2016	3302674	1/30/2019
VSI-1047-ITEP	Issued	Guidewire Fixation	Italy	3302674	5/24/2016	502019000029906	1/30/2019
VSI-1047-JP01	Issued	Guidewire Fixation	Japan	2017-542898	5/24/2016	6663921	2/19/2020
VSI-1047-JP02	Published	Guidewire Fixation	Japan	2018-212119	5/24/2016		
VSI-1047-NLEP	Issued	Guidewire Fixation	Netherlands	3302674	5/24/2016	3302674	1/30/2019
VSI-1047-US01	Issued	Guidewire Fixation	U.S.	15/163,044	5/24/2016	10,974,028	4/13/2021

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VSI-1047-US02	Published	Guidewire Fixation	U.S.	17/201,810	3/15/2021		
VSI-1047-USPR	Expired	Guidewire Fixation	U.S.	62/166,259	5/26/2015		
VSI-1047-USPR2	Expired	Guidewire Fixation	U.S.	62/190,879	7/10/2015		
VSI-1047-WO01	Expired	Guidewire Fixation	PCT	PCT/US2016/03390 4	5/24/2016		
VSI-1048-US01	Issued	Magnetically-Driven Delivery Assembly and Method	U.S.	15/004,012	1/22/2016	9943314	4/17/2018
VSI-1048-USPR	Expired	Magnetically-Driven Delivery Assembly and Method	U.S.	62/147,008	4/14/2015		
VSI-1049-CA01	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	Canada	2975309	2/10/2016	2975309	3/5/2019
VSI-1049-CN01	Published	Closure Device for Sealing Percutaneous Opening in a Vessel	China	201680009204.9	2/10/2016		
VSI-1049-DEEP	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	Germany	16712553.3	2/10/2016	3256051	11/16/2022

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1049-EP01	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	EP	16712553.3	2/10/2016	3256051	11/16/2022
VSI-1049-EP02	Published	Closure Device for Sealing Percutaneous Opening in a Vessel	EP	22205655.8	2/10/2016		
VSI-1049-GBEP	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	United Kingdom	16712553.3	2/10/2016	3256051	11/16/2022
VSI-1049-HKCN	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	Hong Kong	17111871.2	2/10/2016	1240796	2/5/2021
VSI-1049-HKEP2	Published	Closure Device for Sealing Percutaneous Opening in a Vessel	Hong Kong	42023079143.6	2/10/2016		
VSI-1049-JP01	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	Japan	2017-539600	2/10/2016	6641378	1/7/2020
VSI-1049-US01	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	U.S.	15/040,023	2/10/2016	10016188	7/10/2018
VSI-1049-US02	Issued	Closure Device for Sealing Percutaneous Opening in a Vessel	U.S.	15/920,665	3/14/2018	10,722,225	7/28/2020

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1049-USPR	Expired	Closure Device for Sealing Percutaneous Opening in a Vessel	U.S.	62/114,101	2/10/2015		
VSI-1049-USRE1	Pending	Closure Device for Sealing Percutaneous Opening in a Vessel	U.S.	17/873,859	7/26/2022		
VSI-1049-WO01	Expired	Closure Device for Sealing Percutaneous Opening in a Vessel	PCT	PCT/US2016/017238	2/10/2016		
VSI-1050-US01	Issued	RESORBABLE EMBOLIZATION SPHERES	U.S.	15/131,534	4/18/2016	10071181	9/11/2018
VSI-1050-US02	Abandoned	RESORBABLE EMBOLIZATION SPHERES	U.S.	15/664,358	7/31/2017		
VSI-1050-US03	Issued	RESORBABLE EMBOLIZATION SPHERES	U.S.	16/034,670	7/13/2018	10179188	1/15/2019
VSI-1050-US04	Issued	RESORBABLE EMBOLIZATION SPHERES	U.S.	16/034,695	7/13/2018	11,116,867	9/14/2021
VSI-1050-USPR	Expired	RESORBABLE EMBOLIZATION SPHERES	U.S.	62/148,889	4/17/2015		
VSI-1051-USPR	Abandoned	RESORBABLE EMBOLIZATION SPHERES	U.S.	62/148,899	4/17/2015		

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1052-US01	Issued	CATHETER CUTTING DEVICE	U.S.	15/063,575	3/8/2016	10065331	9/4/2018
VSI-1052-USPR	Expired	CATHETER CUTTING DEVICE	U.S.	62/166,274	5/26/2015		
VSI-1053-US01	Abandoned	FLUID DELIVERY OR REMOVAL SYSTEM	U.S.	15/144,879	5/3/2016		
VSI-1053-USPR	Expired	FLUID DELIVERY OR REMOVAL SYSTEM	U.S.	62/203,439	8/11/2015		
VSI-1054-US01	Issued	CATHETER TIP	U.S.	14/860,997	9/22/2015	9782561	10/10/2017
VSI-1054-USPR	Expired	CATHETER TIP	U.S.	62/203,431	8/11/2015		
VSI-1055-US01	Issued	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	15/343,381	11/4/2016	10,806,665	10/20/2020
VSI-1055-USPR	Expired	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	62/279,955	1/18/2016		
VSI-1056-CA01	Issued	PACING GUIDEWIRE	Canada	3012709	3/10/2017	3,012,709	7/12/2022
VSI-1056-CN01	Issued	PACING GUIDEWIRE	China	201780018077.3	3/10/2017	ZL201780018077.3	1/28/2022

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1056-DEEP	Issued	PACING GUIDEWIRE	Germany	17712389.9	3/10/2017	3380188	6/2/2021
VSI-1056-DEEP2	Issued	PACING GUIDEWIRE	Germany	21169704.0	3/10/2017	3892324	6/2/2021
VSI-1056-EP01	Issued	PACING GUIDEWIRE	EP	17712389.0	3/10/2017	3380188	6/2/2021
VSI-1056-EP02	Issued	PACING GUIDEWIRE	EP	21169704.0	3/10/2017	3892324	6/2/2021
VSI-1056-ESEP2	Issued	PACING GUIDEWIRE	Spain	21169704.0	3/10/2017	3892324	6/2/2021
VSI-1056-FREP	Issued	PACING GUIDEWIRE	France	17712389.9	3/10/2017	3380188	6/2/2021
VSI-1056-GBEP	Issued	PACING GUIDEWIRE	United Kingdom	17712389.0	3/10/2017	3380188	6/2/2021
VSI-1056-GBEP2	Issued	PACING GUIDEWIRE	United Kingdom	21169704.0	3/10/2017	3892324	6/2/2021
VSI-1056-HKEP	Issued	PACING GUIDEWIRE	Hong Kong	19100446.9	3/10/2017	1258066	10/22/2021
VSI-1056-ITEP	Issued	PACING GUIDEWIRE	Italy	17712389.0	3/10/2017	3380188	6/2/2021

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1056-JP01	Abandoned	PACING GUIDEWIRE	Japan	2019-500221	3/10/2017		
VSI-1056-JP02	Issued	PACING GUIDEWIRE	Japan	2019-500221	3/10/2017	7288940	5/31/2023
VSI-1056-NLEP	Issued	PACING GUIDEWIRE	Netherlands	17712389.0	3/10/2017	3380188	6/2/2021
VSI-1056-TREP2	Issued	PACING GUIDEWIRE	Turkey	21169704.0	3/10/2017	3892324	6/2/2021
VSI-1056-US01	Issued	PACING GUIDEWIRE	U.S.	15/455,254	3/10/2017	10,881,851	1/5/2021
VSI-1056-US02	Issued	PACING GUIDEWIRE	U.S.	15/455,265	3/10/2017	10,173,052	1/8/2019
VSI-1056-US03	Issued	PACING GUIDEWIRE	U.S.	16/214,800	12/10/2018	10,758,725	9/1/2020
VSI-1056-US04	Issued	PACING GUIDEWIRE	U.S.	16/936,738	7/23/2020	11,420,046	8/23/2022
VSI-1056-US05	Published	PACING GUIDEWIRE	U.S.	17/811,892	7/12/2022		
VSI-1056-US06	Published	PACING GUIDEWIRE	U.S.	18/447,504	8/10/2023		

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1056-USPR	Expired	PACING GUIDEWIRE	U.S.	62/310,044	3/18/2016		
VSI-1056-USPR2	Expired	PACING GUIDEWIRE	U.S.	62/346,214	6/6/2016		
VSI-1056-USPR3	Expired	PACING GUIDEWIRE	U.S.	62/378,258	8/23/2016		
VSI-1056-USPR4	Expired	PACING GUIDEWIRE	U.S.	62/436,750	12/20/2016		
VSI-1056-WO01	Expired	PACING GUIDEWIRE	PCT	PCT/US2017/02171 9	3/10/2017		
VSI-1057-US01	Issued	METHODS FOR FACILITATING REVASCULARIZATION OF OCCLUSION	U.S.	15/340,026	11/1/2016	10245050	4/2/2019
VSI-1057-USPR	Expired	METHODS FOR FACILITATING REVASCULARIZATION OF OCCLUSION	U.S.	62/401,964	9/30/2016		
VSI-1058-DEEP	Issued	GUIDE EXTENSION CATHETER	Germany	17193571.1	9/27/2017	60 2017 008 416.6	11/6/2019
VSI-1058-EP01	Issued	GUIDE EXTENSION CATHETER	EP	17193571.1	9/27/2017	3332830	11/6/2019
VSI-1058-FREP	Issued	GUIDE EXTENSION CATHETER	France	17193571.1	9/27/2017	3332830	11/6/2019

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1058-GBEP	Issued	GUIDE CATHETER	United Kingdom	17193571.1	9/27/2017	3332830	11/6/2019
VSI-1058-IEEP	Issued	GUIDE CATHETER	Ireland	17193571.1	9/27/2017	3332830	11/6/2019
VSI-1058-US01	Issued	GUIDE CATHETER	U.S.	15/581,176	4/28/2017	10,751,514	8/25/2020
VSI-1058-US02	Issued	GUIDE CATHETER	U.S.	16/925,841	7/10/2020	11,712,544	8/1/2023
VSI-1058-USPR	Expired	GUIDE CATHETER	U.S.	62/431,911	12/9/2016		
VSI-1058-USPR2	Expired	GUIDE CATHETER	U.S.	62/440,438	12/30/2016		
VSI-1059-USPR	Closed	INTRA-VESSEL SEALING COMPONENT	U.S.				
VSI-1061-CA01	Issued	CATHETER	Canada	3029522	6/6/2018	3,029,522	1/7/2020
VSI-1061-CA02	Issued	CATHETER	Canada	3050931	6/6/2018	3,050,931	4/25/2023
VSI-1061-CN01	Abandoned	CATHETER	China	201880003146.8	6/6/2018		

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1061-CN02	Abandoned	CATHETER	China	201910214671.0	6/6/2018		
VSI-1061-DEEP	Issued	CATHETER	Germany	18737025.9	6/6/2018	602018011882.9	1/13/2021
VSI-1061-EP01	Issued	CATHETER	EP	18737025.9	6/6/2018	3468652	1/13/2021
VSI-1061-EP02	Published	CATHETER	EP	19163614.1	6/6/2018		
VSI-1061-ESEP	Issued	CATHETER	Spain	18737025.9	6/6/2018	3468652	1/13/2021
VSI-1061-FREP	Issued	CATHETER	France	18737025.9	6/6/2018	3468652	1/13/2021
VSI-1061-GBEP	Issued	CATHETER	United Kingdom	18737025.9	6/6/2018	3468652	1/13/2021
VSI-1061-HKEP	Issued	CATHETER	Hong Kong	19127209.5	6/6/2018	40003727	4/16/2021
VSI-1061-HKEP2	Published	CATHETER	Hong Kong	42020001460.3	6/6/2018		
VSI-1061-ITEP	Issued	CATHETER	Italy	18737025.9	6/6/2018	3468652	1/13/2021

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1061-JP01	Issued	CATHETER	Japan	2019-508840	6/6/2018	6643522	1/8/2020
VSI-1061-JP02	Issued	CATHETER	Japan	2019-042568	6/6/2018	7003077	1/5/2022
VSI-1061-US01	Issued	CATHETER	U.S.	15/686,962	8/25/2017	10238834	3/26/2019
VSI-1061-US02	Issued	CATHETER	U.S.	16/266,785	2/4/2019	11,160,952	11/2/2021
VSI-1061-WO01	Expired	CATHETER	PCT	PCT/IB2018/054054	6/6/2018		
VSI-1063-CA01	Published	GUIDE CATHETER	Canada	3084876	2/1/2019		
VSI-1063-CN01	Issued	GUIDE CATHETER	China	201980013039.8	2/1/2019	ZL201980013039.8	4/29/2022
VSI-1063-DEEP	Issued	GUIDE CATHETER	Germany	19705680.7	2/1/2019	3752235	4/6/2022
VSI-1063-DEEP2	Issued	GUIDE CATHETER	Germany	22165689.5	2/1/2019	4039315	12/20/2023
VSI-1063-EP01	Issued	GUIDE CATHETER	EP	19705680.7	2/1/2019	3752235	4/6/2022

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1063-EP02	Issued	GUIDE CATHETER	EP	22165689.5	2/1/2019	4039315	12/20/2023
VSI-1063-ESEP2	Issued	GUIDE CATHETER	Spain	22165689.5	2/1/2019	4039315	12/20/2023
VSI-1063-FREP	Issued	GUIDE CATHETER	France	19705680.7	2/1/2019	3752235	4/6/2022
VSI-1063-FREP2	Issued	GUIDE CATHETER	France	22165689.5	2/1/2019	4039315	12/20/2023
VSI-1063-GBEP	Issued	GUIDE CATHETER	United Kingdom	19705680.7	2/1/2019	3752235	4/6/2022
VSI-1063-GBEP2	Issued	GUIDE CATHETER	United Kingdom	22165689.5	2/1/2019	4039315	12/20/2023
VSI-1063-HKEP	Issued	GUIDE CATHETER	Hong Kong	62021025895.5	2/1/2019	40036552	7/15/2022
VSI-1063-HKEP2	Published	GUIDE CATHETER	Hong Kong	42023068023.3	2/1/2019		
VSI-1063-IIEP	Issued	GUIDE CATHETER	Ireland	19705680.7	2/1/2019	3752235	4/6/2022
VSI-1063-IIEP2	Issued	GUIDE CATHETER	Ireland	22165689.5	2/1/2019	4039315	12/20/2023

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1063-JP01	Issued	GUIDE CATHETER EXTENSION	Japan	2020-536877	2/1/2019	7155269	10/7/2022
VSI-1063-US01	Abandoned	GUIDE CATHETER EXTENSION	U.S.	16/264,803	2/1/2019		
VSI-1063-US02	Published	GUIDE CATHETER EXTENSION	U.S.	17/843,687	6/17/2022		
VSI-1063-USPR	Expired	GUIDE CATHETER EXTENSION	U.S.	62/630,321	2/14/2018		
VSI-1063-WO01	Expired	GUIDE CATHETER EXTENSION	PCT	PCT/US19/16235	2/1/2019		
VSI-1064-DEEP	Issued	SUBINTIMAL CATHETER DEVICE AND ASSEMBLY	Germany	18797326.8	10/15/2018	3700615	8/24/2022
VSI-1064-EP01	Issued	SUBINTIMAL CATHETER DEVICE AND ASSEMBLY	EP	18797326.8	10/15/2018	3700615	8/24/2022
VSI-1064-FREP	Issued	SUBINTIMAL CATHETER DEVICE AND ASSEMBLY	France	18797326.8	10/15/2018	3700615	8/24/2022
VSI-1064-GBEP	Issued	SUBINTIMAL CATHETER DEVICE AND ASSEMBLY	United Kingdom	18797326.8	10/15/2018	3700615	8/24/2022
VSI-1064-IIEP	Issued	SUBINTIMAL CATHETER DEVICE AND ASSEMBLY	Ireland	18797326.8	10/15/2018	3700615	8/24/2022

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1064-US01	Issued	SUBINTIMAL CATHETER DEVICE, ASSEMBLY AND RELATED METHODS	U.S.	16/160,162	10/15/2018	10,722,252	7/28/2020
VSI-1064-USPR	Expired	SUBINTIMAL CATHETER DEVICE, ASSEMBLY AND RELATED METHODS	U.S.	62/577,283	10/26/2017		
VSI-1064-WO01	Expired	SUBINTIMAL CATHETER DEVICE AND ASSEMBLY	PCT	PCT/US18/55832	10/15/2018		
VSI-1065-US01	Abandoned	BALLOON CATHETER FOR CONTRAST AGENT FILTRATION AND REMOVAL	U.S.	16/264,790	2/1/2019		
VSI-1065-USPR	Expired	BALLOON CATHETER FOR CONTRAST AGENT FILTRATION AND REMOVAL	U.S.	62/630,468	2/14/2018		
VSI-1067-EP01	Published	PERFUSION CATHETERS AND RELATED METHODS	EP	19178585.6	6/5/2019		
VSI-1067-US01	Issued	PERFUSION CATHETERS AND RELATED METHODS	U.S.	16/414,921	5/17/2019	11,027,102	6/8/2021
VSI-1067-US02	Issued	PERFUSION CATHETERS AND RELATED METHODS	U.S.	17/245,725	4/30/2021	11,660,425	5/30/2023
VSI-1067-USPR	Expired	PERFUSION CATHETERS AND RELATED METHODS	U.S.	62/701,362	7/20/2018		

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1068-EP01	Published	ELUTING PERFUSION CATHETERS AND RELATED METHODS	EP	19759838.6	8/14/2019		
VSI-1068-US01	Issued	ELUTING PERFUSION CATHETERS AND RELATED METHODS	U.S.	16/540,844	8/14/2019	11,511,086	11/29/2022
VSI-1068-US02	Published	ELUTING PERFUSION CATHETERS AND RELATED METHODS	U.S.	17/936,907	9/30/2022		
VSI-1068-USPR	Expired	ELUTING PERFUSION CATHETERS AND RELATED METHODS	U.S.	62/719,000	8/16/2018		
VSI-1068-WO01	Expired	ELUTING PERFUSION CATHETERS AND RELATED METHODS	PCT	PCT/US2019/046545	8/14/2019		
VSI-1069-EP01	Published	GUIDE CATHETER	EP	19916372.6	12/12/2019		
VSI-1069-HKEP	Published	GUIDE CATHETER	Hong Kong	62022048424.5	12/12/2019		
VSI-1069-JP01	Issued	GUIDE CATHETER	Japan	2022-547856	12/12/2019	7362753	10/6/2023
VSI-1069-US01	Published	GUIDE CATHETER	U.S.	17/425,068	7/22/2021		

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1069-USPR	Pending	GUIDE CATHETER	U.S.	62/807,613	2/19/2019		
VSI-1069-WO01	Expired	GUIDE CATHETER	PCT	PCT/US2019/065844	12/12/2019		
VSI-1070-EP01	Published	GUIDE CATHETER	EP	19889843.9	10/30/2019		
VSI-1070-HKEP	Published	GUIDE CATHETER	Hong Kong	62021045149.3	10/30/2019		
VSI-1070-JP01	Issued	GUIDE CATHETER	Japan	2021-528999	10/30/2019	7174154	11/8/2022
VSI-1070-US01	Issued	GUIDE CATHETER	U.S.	16/644,321	10/30/2019	11,524,142	12/13/2022
VSI-1070-USPR	Expired	GUIDE CATHETER	U.S.	62/771,658	11/27/2018		
VSI-1070-WO01	Expired	GUIDE CATHETER	PCT	PCT/US2019/058783	10/30/2019		
VSI-1071-EP01	Published	GUIDE EXTENSION CATHETER	EP	19898064.1	10/30/2019		
VSI-1071-US01	Issued	GUIDE EXTENSION CATHETER	U.S.	16/643,759	3/2/2020	10946177	3/16/2021

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1071-USPR	Expired	GUIDE CATHETER EXTENSION	U.S.	62/781,973	12/19/2018		
VSI-1071-WO01	Expired	GUIDE CATHETER EXTENSION	PCT	PCT/US2019/05878 6	10/30/2019		
VSI-1072-EP01	Published	GUIDE EXTENSION CATHETER	EP	19909288.3	10/30/2019		
VSI-1072-JP01	Published	GUIDE EXTENSION CATHETER	Japan	2021-531958	10/30/2019		
VSI-1072-US01	Issued	GUIDE EXTENSION CATHETER	U.S.	16/644,365	3/4/2020	10953197	3/23/2021
VSI-1072-USPR	Expired	GUIDE CATHETER EXTENSION	U.S.	62/789,000	1/7/2019		
VSI-1072-WO01	Expired	GUIDE CATHETER EXTENSION	PCT	PCT/US2019/05879 4	10/30/2019		
VSI-1073-DEEP	To be filed	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	Germany	20159141.9	2/24/2020		
VSI-1073-EP01	Published	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	EP	20159141.9	2/24/2020		

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1073-EP02	Pending	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	EP	23214835.3	2/24/2020		
VSI-1073-ESEP	To be filed	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	Spain	20159141.9	2/24/2020		
VSI-1073-FREP	To be filed	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	France	20159141.9	2/24/2020		
VSI-1073-GBEP	To be filed	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	United Kingdom	20159141.9	2/24/2020		
VSI-1073-ITEP	To be filed	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	Italy	20159141.9	2/24/2020		
VSI-1073-NLEP	To be filed	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	Netherlands	20159141.9	2/24/2020		
VSI-1073-SEEP	To be filed	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	Sweden	20159141.9	2/24/2020		
VSI-1073-US01	Issued	SYSTEM AND METHOD FOR FREEZE-DRYING AND PACKAGING	U.S.	16/295,165	3/7/2019	10,945,959	3/16/2021

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1074-AU01	Allowed	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE	Australia	2021248906	1/21/2021		
VSI-1074-CA01	Pending	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE	Canada	3176891	1/21/2021		
VSI-1074-EP01	Published	Guidewire And Catheter Management Device	EP	21705778.5	1/21/2021		
VSI-1074-JP01	Published	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE AND RELATED METHODS	Japan	2022-559731	1/21/2021		
VSI-1074-US01	Issued	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE AND RELATED METHODS	U.S.	17/154,535	1/21/2021	11752307	9/12/2023
VSI-1074-USPR	Expired	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE AND RELATED METHODS	U.S.	63/003,404	4/1/2020		
VSI-1074-WO01	Expired	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE AND RELATED METHODS	PCT	PCT/US2021/014392	1/21/2021		
VSI-1076-US01	Published	CAPTIVATION CATHETERS AND RELATED METHODS	U.S.	17/412,316	8/26/2021		
VSI-1076-USPR	Expired	CAPTIVATION CATHETERS AND RELATED METHODS	U.S.	63/109,106	11/3/2020		

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Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1077-USPR	Transferred	TREATMENT CATHETER INCLUDING REMOVABLE HUB AND RELATED METHODS	U.S.	63/139,866	1/21/2021		
VSI-1078-US02	Issued	Deflection Control Catheters, Support Catheters and Methods of Use	U.S.	14/254,952	4/17/2014	10173029	1/8/2019
VSI-1079-CA01	Pending	SUPPORT CATHETERS AND ASSOCIATED LOADING COMPONENTS	Canada	3192877	2/15/2022		
VSI-1079-CN01	Published	SUPPORT CATHETERS AND ASSOCIATED LOADING COMPONENTS	China	202280006856.2	2/15/2022		
VSI-1079-EP01	Published	SUPPORT CATHETERS AND ASSOCIATED LOADING COMPONENTS	EP	22753531.7	2/15/2022		
VSI-1079-HKEP	Published	SUPPORT CATHETERS AND ASSOCIATED LOADING COMPONENTS	Hong Kong	62023076488	2/15/2022		
VSI-1079-JP01	Published	SUPPORT CATHETERS AND ASSOCIATED LOADING COMPONENTS	Japan	2023-521651	2/15/2022		
VSI-1079-US01	Published	SUPPORT CATHETERS AND ASSOCIATED LOADING COMPONENTS	U.S.	17/672,472	2/15/2022		

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1079-USPR	Expired	Expandable Split Support Catheter and Loading Tool Designs, Methods for Manufacture and Methods for Use	U.S.	63/149,510	2/15/2021		
VSI-1079-WO01	Expired	SUPPORT CATHETERS AND ASSOCIATED LOADING COMPONENTS	World Intellectual Property Organization	PCT/US2022/016469	2/15/2022		
VSI-1080-US01	Published	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE AND RELATED METHODS	U.S.	18/067,882	12/19/2022		
VSI-1080-USPR	Expired	GUIDEWIRE AND CATHETER MANAGEMENT DEVICE AND RELATED METHODS	U.S.	63/314,735	2/28/2022		
VSI-1081-US01	Unfiled	GUIDE EXTENSION CATHETER	U.S.				
VSI-1081-USPR	Pending	GUIDE EXTENSION CATHETER	U.S.	63/479,612	1/12/2023		
VSI-1081-WO01	Unfiled	GUIDE EXTENSION CATHETER	PCT				
VSI-1084-US01	Unfiled	FREEZE-DRYING TRAY ASSEMBLY	U.S.				

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSI-1084-USPR	Pending	FREEZE-DRYING ASSEMBLY TRAY	U.S.	63/476,258	12/20/2022		
VSI-1084-WO01	Unfiled	FREEZE-DRYING ASSEMBLY TRAY	PCT				
VSI-1085-USPR	Unfiled	GUIDE EXTENSION CATHETER	U.S.				

Patents							
Attorney Ref.	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
VSZ-0982-US01	Abandoned	Haemostasis Device	U.S.	11/781,289			
VSZ-0982-US02	Abandoned	Haemostasis Device	U.S.	12/969,370	12/15/2010		
VSZ-1009-CA01	Abandoned	A HAEMOSTASIS DEVICE	Canada	2536571	8/26/2004		
VSZ-1009-DEEP	Issued	A HAEMOSTASIS DEVICE	Germany	4770386.3	8/26/2004	1660173	6/16/2010
VSZ-1009-EP01	Issued	A HAEMOSTASIS DEVICE	EP	4770386.3	8/26/2004	1660173	6/16/2010

VSZ-1009-FREP	Issued	A HAEMOSTASIS DEVICE	France	4770386.3	8/26/2004	1660173	6/16/2010
VSZ-1009-GBEP	Issued	A HAEMOSTASIS DEVICE	United Kingdom	4770386.3	8/26/2004	1660173	6/16/2010
VSZ-1009-IEEP	Issued	A HAEMOSTASIS DEVICE	Ireland	4770386.3	8/26/2004	1660173	6/16/2010
VSZ-1009-US01	Issued	HAEMOSTASIS DEVICE	U.S.	10/926,362	8/26/2004	7976503	7/12/2011
VSZ-1009-USPR	Expired	Medical device for providing hemostasis	U.S.	60/497,570	8/26/2003		
VSZ-1009-WO01	Expired	A HAEMOSTASIS DEVICE	PCT	PCT/IE2004/000111	8/26/2004		

SCHEDULE 3

PART C – TRADEMARKS AND TRADEMARK APPLICATIONS

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
044774.020008	AUTO-FILL	United States of America	Registered	78329341	11/18/2003	2894004	10/12/2004
016386-011600/US	BANDIT	United States of America	Registered	87/625,101	9/27/2017	5,618,758	11/27/2018
016386-018100/US	COAST	United States of America	Registered	90/580,873	3/15/2021	7,049,671	5/9/2023
016386-018100/WO	COAST	International	Registered	A0112013	8/3/2021	1614088	8/3/2021
016386-018100/WO/EU	COAST	European Union	Registered	A0112013	8/3/2021	1614088	8/3/2021
016386-018100/WO/GB	COAST	United Kingdom	Registered	A0112013	8/3/2021	1614088	8/3/2021
044774.020026	DRAINER	United States of America	Registered	85066819	6/18/2010	3972115	5/31/2011
044774.020029	D-STAT	United States of America	Registered	78102841	1/15/2002	2754442	8/19/2003
044774.020003	ESSENTIAL MEDICAL	China	Registered	35872748	1/11/2019	35872748	12/14/2019
016386-015000/US	EZPLAZ	United States of America	Allowed	88/187,750	11/9/2018		
016386-015100/US	EZPLAZ	United States of America	Allowed	88/187,756	11/9/2018		
016386-015000/US	EZPLAZ	United States of America	Allowed	97/225,453	1/18/2022		

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
016386-015100/US	EZPLAZ	United States of America	Allowed	97/225,467	1/18/2022		
016386-015800/WO	EZPLAZ	International	Registered	A0097425	6/12/2020	1547361	6/12/2020
016386-015800/WO-EM	EZPLAZ	European Union	Registered	A0097425	6/12/2020	1547361	6/12/2020
016386-015800/WO-GB	EZPLAZ	United Kingdom	Registered	UK00800097425	6/12/2020	UK00801547361	6/12/2020
016386-015800/WO-GB	EZPLAZ	United Kingdom	Registered	A0097425	6/12/2020	1547361	6/12/2020
044774.020012	GUARDIAN	United States of America	Registered	78416607	5/11/2004	3115047	7/11/2006
044774.020024	GUIDELINER	United States of America	Registered	77706364	4/3/2009	3797195	6/1/2010
016386-018000/CN	GUIDELINER	China	Application	68738033	12/6/2022		
016386-018000/CN	GUIDELINER	China	Application	59154341	9/10/2021		
016386-018000/CN	GUIDELINER	China	Application	55421057	4/21/2021		
016386-011900	GUIDELINER	International	Registered		1/25/2018	1399698	1/25/2018
016386-012000	GUIDELINER	European Union	Registered		1/25/2018	1399698	1/25/2018
016386-012000BRX	GUIDELINER	United Kingdom	Registered	UK008000000000	1/25/2018	UK00801399698	1/25/2018
016386-012100	GUIDELINER	Japan	Registered		1/25/2018	1399698	1/25/2018
016386-012200	GUIDELINER	Norway	Registered		1/25/2018	1399698	1/25/2018
016386-012300	GUIDELINER	Switzerland	Registered		1/25/2018	1399698	1/25/2018
016386-012400	GUIDELINER	United Kingdom	Registered		1/25/2018	1399698	1/25/2018
016386-014600/CA	GUIDELINER	Canada	Registered	1,876,752	1/10/2018	TMA1052658	9/5/2019
044774.020010	LANGSTON	United States of America	Registered	78455490	7/23/2004	3024795	12/6/2005

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
016386-011500	LANGSTON	United States of America	Registered	78/455,490	7/23/2004	3,024,795	12/6/2005
016386-013700/WO	LANGSTON	International	Registered	1399699	1/25/2018	1399699	1/25/2018
016386-013800/WO-EM	LANGSTON	European Union	Registered	1399699	1/25/2018	1399699	1/25/2018
016386-013800/WO-GB	LANGSTON	United Kingdom	Registered	UK00801399699	1/25/2018	UK00801399699	1/25/2018
016386-013900/WO-JP	LANGSTON	Japan	Registered	1399699	1/25/2018	1399699	1/25/2018
016386-014000/WO-NO	LANGSTON	Norway	Registered	1399699	1/25/2018	1399699	1/25/2018
016386-014100/WO-CH	LANGSTON	Switzerland	Registered	1399699	1/25/2018	1399699	1/25/2018
016386-014200/WO-GB	LANGSTON	United Kingdom	Registered	1399699	1/25/2018	1399699	1/25/2018
044774.020005	MANTA	U.S.	Registered	87702945	11/30/2017	5764558	5/28/2019
044774.020004	MANTA & Design	European Union	Registered	17996123	12/4/2018	17996123	5/1/2019
044774.020006	MANTA & Design	U.S.	Registered	88198176	11/18/2018	5823473	7/30/2019
044774.020022	MINNIE	United States of America	Registered	77818971	9/2/2009	3752325	2/23/2010
016386-015500/US	OCTANE	United States of America	Registered	87/037,941	5/16/2016	5,551,287	8/28/2018
044774.020025	PIGGYBACK	United States of America	Registered	77840531	10/2/2009	3858113	10/5/2010
044774.020016	PRONTO	United States of America	Registered	78181211	11/4/2002	3353155	12/11/2007
016386-011700/US	RAIDER	United States of America	Registered	87/625,094	9/27/2017	5,562,562	9/11/2018
044774.020018	RINGER	European Union	Registered	17997580	12/7/2018	17997580	5/7/2019

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
044774.020019	RINGER	United Kingdom	Registered	UK00917997580	12/7/2018	UK00917997580	5/7/2019
044774.020017	RINGER	United States of America	Registered	88113787	11/4/2022	6852701	9/20/2022
044774.020028	SMARTNEEDLE	Canada	Registered	1022096	7/13/1999	TMA574650	1/29/2003
044774.020027	SMARTNEEDLE	United States of America	Registered	75620674	1/13/1999	2568826	5/14/2002
044774.020015	SPECTRE	United States of America	Registered	87207092	10/18/2016	5267675	8/15/2017
044774.020020	THROMBI-GEL	United States of America	Registered	77450693	4/17/2008	3632771	6/2/2009
044774.020011	THROMBIX	United States of America	Registered	78139033	6/26/2002	3032755	12/20/2005
044774.020014	TRAPLINER	United States of America	Registered	86830610	11/24/2015	5200901	5/9/2017
016386-019400/US	TRIUMPH	United States of America	Application	97/662,691	11/4/2022		
044774.020009	TURNPIKE	United States of America	Registered	86327454	7/2/2014	4721667	4/14/2015
016386-011500	TURNPIKE	United States of America	Registered	86/327,454	7/2/2014	4,721,667	4/14/2015
016386-012500/WO	TURNPIKE	International	Registered	1405113	1/25/2018	1405113	1/25/2018
016386-012600/WO-EM	TURNPIKE	European Union	Registered	1405113	1/25/2018	1405113	1/25/2018
016386-012600/WO-GB	TURNPIKE	United Kingdom	Registered	UK00801405113	1/25/2018	UK00801405113	1/25/2018
016386-012700/WO-JP	TURNPIKE	Japan	Registered	1405113	1/25/2018	1405113	1/25/2018
016386-012800/WO-NO	TURNPIKE	Norway	Registered	1405113	1/25/2018	1405113	1/25/2018

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
016386-012900/WO-CH	TURNPIKE	Switzerland	Registered	1405113	1/25/2018	1405113	1/25/2018
016386-013000/WO-GB	TURNPIKE	United Kingdom	Registered	1405113	1/25/2018	1405113	1/25/2018
016386-013000/WO-RU	TURNPIKE	Russian Federation	Registered	1405113	1/25/2018	1405113	1/25/2018
016386-015300/WO-CN	TURNPIKE	China	Registered	1405113	1/25/2018	1405113	1/25/2018
016386-014400/CA	TURNPIKE	Canada	Registered	1,876,753	1/10/2018	TMA1052651	9/5/2019
044774.020013	TWINPASS	United States of America	Registered	78602796	4/6/2005	3122103	7/25/2006
016386-013100/WO	TWIN-PASS	International	Registered		1/25/2018	1399596	1/25/2018
016386-013200/WO-EM	TWIN-PASS	European Union	Registered		1/25/2018	1399596	1/25/2018
016386-013200/WO-GB	TWIN-PASS	United Kingdom	Registered	UK008000000000	1/25/2018	UK00801399596	1/25/2018
016386-013300/WO-JP	TWIN-PASS	Japan	Registered		1/25/2018	1399596	1/25/2018
016386-013500/WO-CH	TWIN-PASS	Switzerland	Registered		1/25/2018	1399596	1/25/2018
016386-013600/WO-GB	TWIN-PASS	United Kingdom	Registered		1/25/2018	1399596	1/25/2018
016386-014300/CA	TWIN-PASS	Canada	Registered	1,876,754	1/10/2018	TMA1052668	9/5/2019
016386-014800/CA	TWIN-PASS TORQUE	Canada	Registered	1,876,761	1/10/2018	TMA1052663	9/5/2019
044774.020007	VARI-LASE	United States of America	Registered	78217901	2/23/2003	2846854	5/25/2004
044774.020021	VENTURE	United States of America	Registered	78378442	3/4/2004	3700341	10/20/2009

Docket Number	Mark Name	Country	Status	Current Appl. No	Current Appl. Date	Current Reg No	Current Reg Date
016386-011800/US	WARRIOR	United States of America	Registered	87/625,086	9/27/2017	5,562,561	9/11/2018
016386-015400/US	WATTSON	United States of America	Registered	88/224,742	12/11/2018	6,119,766	8/4/2020
016386-019200/EM	WHERE ENGINEERING COMPLEX ANATOMY	European Union	Registered	018752453	8/25/2022	018752453	1/12/2023