

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8181144

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
W.L. GORE & ASSOCIATES, INC.	03/08/2023
RECEIVING PARTY DATA	
Name:	EDWARDS LIFESCIENCES CORPORATION
Street Address:	ONE EDWARDS WAY
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92614
PROPERTY NUMBERS Total: 100	
Property Type	Number
Application Number:	61739721
Application Number:	61802116
Application Number:	14133563
Application Number:	17140366
Application Number:	13835988
Application Number:	17188333
Application Number:	61802128
Application Number:	14133491
Application Number:	16040139
Application Number:	13841334
Application Number:	14839334
Application Number:	15947967
Application Number:	14792380
Application Number:	15720441
Application Number:	62572274
Application Number:	62579753
Application Number:	16129682
Application Number:	17377091
Application Number:	62564031
Application Number:	62579759

Property Type	Number
Application Number:	62682685
Application Number:	17333620
Application Number:	61675744
Application Number:	13797633
Application Number:	15042351
Application Number:	16359650
Application Number:	17495042
Application Number:	62093930
Application Number:	14973515
Application Number:	14973589
Application Number:	15829595
Application Number:	15927370
Application Number:	17227205
Application Number:	13833650
Application Number:	61676812
Application Number:	13797526
Application Number:	16402967
Application Number:	62572281
Application Number:	62579762
Application Number:	16129779
Application Number:	17383569
Application Number:	62812782
Application Number:	62833086
Application Number:	16805181
Application Number:	17736704
Application Number:	62644156
Application Number:	16355515
Application Number:	62579754
Application Number:	62667181
Application Number:	16129677
Application Number:	17476867
Application Number:	29669270
Application Number:	62516568
Application Number:	16001886
Application Number:	17178802
Application Number:	62579763
Application Number:	16129685
Application Number:	17393539

Property Type	Number
Application Number:	62579760
Application Number:	16129671
Application Number:	17884749
Application Number:	62984564
Application Number:	17909591
Application Number:	62984554
Application Number:	17909608
Application Number:	62038727
Application Number:	15502871
Application Number:	62579761
Application Number:	16170795
Application Number:	62063353
Application Number:	14881124
Application Number:	16714055
Application Number:	62579752
Application Number:	16129673
Application Number:	29668194
Application Number:	29883960
Application Number:	62881428
Application Number:	17632120
Application Number:	62833176
Application Number:	17603256
Application Number:	62843911
Application Number:	62984600
Application Number:	62557586
Application Number:	16129651
Application Number:	61913235
Application Number:	61974653
Application Number:	14561148
Application Number:	15333749
Application Number:	62050628
Application Number:	14853654
Application Number:	15791562
Application Number:	16446343
Application Number:	17941538
PCT Number:	US2120446
PCT Number:	US2118383
PCT Number:	US1545002

Property Type	Number
PCT Number:	US2044603
PCT Number:	US2027921
PCT Number:	US2031597
PCT Number:	US2120455

CORRESPONDENCE DATA

Fax Number: (503)595-5301

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: 503-595-5300

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Correspondent Name: JEFFREY HAENDLER, KLARQUIST SPARKMAN LLP

Address Line 1: 121 SW SALMON STREET, SUITE 1600

Address Line 2: ONE WORLD TRADE CENTER

Address Line 4: PORTLAND, OREGON 97204-2988

ATTORNEY DOCKET NUMBER:	7487-108815-01
NAME OF SUBMITTER:	JEFFREY B HAENDLER
SIGNATURE:	/Jeffrey B Haendler/
DATE SIGNED:	09/21/2023

Total Attachments: 23

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SCHEDULE B

PATENT ASSIGNMENT

W. L. Gore & Associates, Inc., a Delaware corporation, having an address at 555 Paper Mill Road, Newark, Delaware 19711 (hereafter, "Assignor"), owns the entire right, title and interest, in, to and under the patents and/or applications for patent listed on Exhibit A attached hereto.

1. Assignment. In exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby irrevocably conveys, transfers and assigns to Edwards Lifesciences Corporation, a Delaware corporation ("Assignee"), and Assignee hereby accepts from Assignor the conveyance, transfer and assignment of, all worldwide right, title and interest in and to the patents and patent applications listed above and all inventions, improvements and discoveries disclosed in such patents and patent applications, as well as in and to any and all issuances, substitutions, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations, renewals, extensions, or applications which claim common priority to or with, one or more patents or patent applications listed above or patents issued thereon, and any patents of confirmation, registration and importation of the same (e.g., whether or not specifically identified above, collectively, "Patents"). Such assignment includes (a) all rights of any kind whatsoever accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world, relating to any of and all of the Patents, (b) all rights to claim priority in or to, any of the applications or patents identified above, (c) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the Patents, (d) the full and complete right to file patent applications in the name of Assignee or Assignor, at Assignee's or its designee's election, on the aforesaid inventions, improvements, discoveries and applications in all countries of the world, and (e) any and all choses in action, demands, claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation and Further Actions. Assignor authorizes the Commissioner for Patents, the Commissioner for Trademarks and any other governmental officials to record and register this Assignment upon request by Assignee. Assignor shall take such steps and actions following the date hereof, including the execution of any documents, files, registrations, or other similar items, to ensure that the Patents is properly assigned to Assignee, or any assignee or successor thereto, at Assignee's expense.

3. Counterparts. This Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Assignment delivered by facsimile, e-mail, JPEG, PDF or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Patent Assignment.

4. Successors and Assigns. This Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

5. Governing Law. This Assignment and any claim, controversy, dispute or cause of action (whether in contract, tort or otherwise) based upon, arising out of or relating to this Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Delaware, without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction).

IN WITNESS WHEREOF, Each of Assignor and Assignee have duly executed and delivered this Assignment as of the date indicated below.

"Assignor"

W. L. GORE & ASSOCIATES, INC.

By: _____

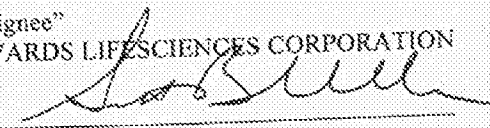
Name: _____

Title: _____

Date: _____

"Assignee"

EDWARDS LIFESCIENCES CORPORATION

By:  _____

Name: Scott Ullem

Title: Chief Financial Officer

Date: 8 March 2023

B-2

Schedule B - Patent Assignment

PATENT
REEL: 065021 FRAME: 0659

5. Governing Law. This Assignment and any claim, controversy, dispute or cause of action (whether in contract, tort or otherwise) based upon, arising out of or relating to this Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Delaware, without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction).

IN WITNESS WHEREOF, Each of Assignor and Assignee have duly executed and delivered this Assignment as of the date indicated below.

"Assignor"

W. L. GORE & ASSOCIATES, INC.

By: Bret A. Snyder

Name: Bret A. Snyder

Title: CEO

Date: March 8, 2023

"Assignee"

EDWARDS LIFESCIENCES CORPORATION

By: _____

Name: _____

Title: _____

Date: _____

EXHIBIT A

PATENTS AND PATENT APPLICATIONS

Patent Reference	Country	Patent Application Title	Status	Application Number	Priority Date	Filed Date	Publication Number	Publication Date	Patent No.	Grant Date
954AU01	Australia	Leaflet Support Devices and Methods of Making and Using The Same	Granted	2016336369	2015-10-06	2016-10-06	2016336369	2018-11-21		
954AU02	Australia	Leaflet Support Devices and Methods of Making and Using The Same	Granted	2019206121	2015-10-06	2016-10-06	2019206121	2020-10-29		
954CA01	Canada	Leaflet Support Devices and Methods of Making and Using The Same	Granted	3001191	2015-10-06	2016-10-06	3001191	2020-05-05		
954CN01	China	Leaflet Support Devices and Methods of Making and Using The Same	Granted	201680071197.5	2015-10-06	2016-10-06	108288739	2018-07-17	108288739	2020-06-26
954EP01	European Patent	Leaflet Support Devices and Methods of Making and Using The Same	Published	16787617.6	2015-10-06	2016-10-06	3359091	2018-08-15		
954HK01	Hong Kong	Leaflet Support Devices and Methods of Making and Using The Same	Abandoned	19100207.8	2015-10-06	2016-10-06	1257850	2019-11-01		
954JP01	Japan	Leaflet Support Devices and Methods of Making and Using The Same	Granted	2018-517776	2015-10-06	2016-10-06	2018-529476	2018-10-11	6751140	2020-08-17
954US01	United States of America	Leaflet Support Devices and Methods of Making and Using The Same	Expired	62237856		2015-10-06				
954US02	United States of America	Leaflet Support Devices and Methods of Making and Using The Same	Granted	15/286031	2015-10-06	2016-10-05	2017-0095332	2017-04-06	10022223	2018-07-17
954US03	United States of America	Leaflet Support Devices and Methods of Making and Using The Same	Granted	16/024252	2015-10-06	2018-06-29	2018-0303611	2018-10-25	10806576	2020-10-20
954US04	United States of America	Leaflet Support Devices and Methods of Making and Using The Same	Published	17/038022	2015-10-06	2018-06-29	2021-0059817	2021-03-04		
954WCO1	Patent Cooperation Treaty	Leaflet Support Devices and Methods of Making and Using The Same	Expired	US2016/055644	2016-10-05	2016-10-06	2017/062548	2017-04-13		
1506AU01	Australia	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Granted	2018334191	2017-09-12	2018-09-12	2018334191	2021-07-22		
1506AU02	Australia	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Abandoned	2021204801	2017-09-12	2018-09-12				
1506CA01	Canada	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Allowed	3071133	2017-09-12	2018-09-12				
1506CA02	Canada	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Patent Application	3182971	2017-09-12	2018-09-12				
1506CN01	China	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Granted	201880058419.9	2017-09-12	2018-09-12	111182856	2020-05-19	201880058419.9	2022-04-29
1506CN02	China	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Published	202210398162.1	2017-09-12	2018-09-12	115566890	2023-01-06		
1506EP01	European Patent	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Published	18779540.6	2017-09-12	2018-09-12	3681440	2020-07-22		
1506JP01	Japan	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Granted	2020-514720	2017-09-12	2018-09-12	2020-533113	2020-11-19	6974601	2021-11-08
1506US01	United States of America	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Expired	62/557586		2017-09-12				
1506US02	United States of America	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Granted	16/128651	2017-09-12	2018-09-12	US-2019-0076245-A1	2019-03-14	10959842	2021-03-30
1506US03	United States of America	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Published	17/183014	2017-09-12	2018-09-12	2021-0177589	2021-06-17		
1506WCO1	Patent Cooperation Treaty	LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES	Expired	US2018/050764	2017-09-12	2018-09-12	WO 2019/055577	2019-03-21		
1534AU01	Australia	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Granted	2018362079	2017-10-31	2018-09-12	2018362079	2022-01-06		
1534AU02	Australia	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Patent Application	2021286397	2017-10-31	2018-09-12				
1534CA01	Canada	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Patent Application	3078606	2017-10-31	2018-09-12				
1534CN01	China	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Published	201880070794.5	2017-10-31	2018-09-12	111295158	2020-06-16		

1534EP01	European Patent	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Published	18779916.8	2017-10-31	2018-09-12	3703616	2020-09-09	
1534JP01	Japan	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Granted	2020-524014	2017-10-31	2018-09-12	2021-500973	2021-01-14	7052032
1534JP02	Japan	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Published	2022-055446	2017-10-31	2018-09-12	2022-084899	2022-06-07	
1534US01	United States of America	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Expired	62/579780		2017-10-31			
1534US02	United States of America	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Granted	16/129671	2017-10-31	2018-09-12	20190125528	2019-05-02	11439502
1534US03	United States of America	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Published	17/684749	2017-10-31	2022-08-10	2022-0378575	2022-12-01	
1534WCO1	Patent Cooperation Treaty	MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH	Expired	US2018/050769	2017-10-31	2018-09-12	WO 2019/089136	2019-05-09	
1567AUI01	Australia	SUTURE GUARD FOR A PROSTHETIC VALVE	Granted	2018362341	2017-10-31	2018-10-26			2018362341
1567AUI02	Australia	SUTURE GUARD FOR A PROSTHETIC VALVE	Patent Application	2021718214	2017-10-31	2018-10-26			
1567CA01	Canada	Suture Guard for a Prosthetic Valve	Allowed	3084362	2017-10-31	2018-10-26			
1567CA02	Canada	Suture Guard for a Prosthetic Valve	Patent Application	3188833	2017-10-31	2018-10-26			
1567CN01	China	Suture Guard for a Prosthetic Valve	Granted	201880070706.1	2017-10-31	2018-10-25			ZL201880070706.1
1567CN02	China	Suture Guard for a Prosthetic Valve	Published	115670745	2017-10-31	2018-10-26	111295157	2020-06-16	
1567EP01	European Patent	Suture Guard for a Prosthetic Valve	Published	18801184.5	2017-10-31	2018-10-26	3703620	2020-09-09	
1567JP01	Japan	Suture Guard for a Prosthetic Valve	Granted	2020-524084	2017-10-31	2018-10-26	2021-500992	2021-01-14	7179843
1567JP02	Japan	Suture Guard for a Prosthetic Valve	Published	2022-130913	2017-10-31	2018-10-26	2022-164729	2022-10-27	
1567US01	United States of America	SUTURE GUARD FOR A PROSTHETIC VALVE	Expired	62/579761		2017-10-31			
1567US02	United States of America	SUTURE GUARD FOR A PROSTHETIC VALVE	Granted	16/170795	2017-10-31	2018-10-25	20190125525	2019-05-02	10959838
1567US03	United States of America	SUTURE GUARD FOR A PROSTHETIC VALVE	Published	17/181747	2017-10-31	2018-10-25	2021-0168642	2021-06-10	
1567WCO1	Patent Cooperation Treaty	Suture Guard for a Prosthetic Valve	Expired	US2018/057796	2017-10-31	2018-10-26	WO 2019/089367	2019-05-09	

1685AUI01	Australia	Prosthetic Valve With Improved Washout	Abandoned	2018280242	2017-06-07	2018-06-07			
1685AUI02	Australia	Prosthetic Valve With Improved Washout	Patent Application	2021201696	2017-06-07	2018-06-07			
1685CA01	Canada	Prosthetic Valve With Improved Washout	Granted	3063917	2017-06-07	2018-06-07			3063917
1685CA02	Canada	Prosthetic Valve With Improved Washout	Patent Application	3170293	2017-06-07	2018-06-07			
1685CN01	China	Prosthetic Valve With Improved Washout	Granted	201880038123.0	2017-06-07	2018-06-07	110719763	2020-01-21	201880038123.0
1685CN02	China	Prosthetic Valve With Improved Washout	Published	202210124159.9	2017-06-07	2018-06-07	114432007	2022-05-06	
1685EP01	European Patent	Prosthetic Valve With Improved Washout	Published	18735072.3	2017-06-07	2018-06-07	3634312	2020-04-15	
1685HK01	Hong Kong	Prosthetic Valve With Improved Washout	Abandoned	62020009915.3	2017-06-07	2020-06-24			
1685JP01	Japan	Prosthetic Valve With Improved Washout	Granted	2019-567712	2017-06-07	2018-06-07	2020-523101	2020-08-06	7060627
1685JP02	Japan	Prosthetic Valve With Improved Washout	Published	2022-017979	2017-06-07	2018-06-07	2022-060307	2022-04-14	
1685US01	United States of America	Prosthetic Valve With Improved Washout	Expired	62/516568		2017-06-07			
1685US02	United States of America	Prosthetic Valve With Improved Washout	Granted	16/001866	2017-06-07	2018-06-06	2018-0353283	2018-12-13	10952842
1685US03	United States of America	Prosthetic Valve With Improved Washout	Published	17/177802	2017-06-07	2021-02-18	2021-0177583	2021-06-17	
1685WCO1	Patent Cooperation Treaty	Prosthetic Valve With Improved Washout	Expired	US2018/056520	2017-06-07	2018-06-07	2018/226997	2018-12-13	

1761AUI01	Australia	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2018342223	2017-09-27	2018-09-12			2018342223
1761AUI02	Australia	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Patent Application	2021204634	2017-09-27	2018-09-12			
1761CA01	Canada	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	3072781	2017-09-27	2018-09-12			3072781
1761CA02	Canada	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Patent Application	3155761	2017-09-27	2018-09-12			
1761CN01	China	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	201880061216.5	2017-09-27	2018-09-12	111163728	2020-05-15	201880061216.5
1761CN02	China	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Published	202210456118.X	2017-09-27	2018-09-12	115024861	2022-09-09	
1761EP01	European Patent	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Published	18779921.8	2017-09-27	2018-09-12	3687452	2020-08-05	
1761JP01	Japan	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2020-517555	2017-09-27	2018-09-12	2020-534938	2020-12-03	6675601
1761US01	United States of America	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Expired	62/572274		2017-10-13			

1761US02	United States of America	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Expired	62/679733		2017-10-31			
1761US03	United States of America	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	16/129682		2017-09-27	2018-09-12	US-2019-0091015-A1	2019-03-28
1761US04	United States of America	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Published	17/377091		2017-09-27	2021-07-15	2021-0338422	2021-11-04
1761WCO1	Patent Cooperation Treaty	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Expired	US2018/050778		2017-09-27	2018-09-12	WO2019/067220	2019-04-04
1785AU01	Australia	Valve Conduit	Granted	2018362080		2017-10-31	2018-09-12	2018362080	2022-01-13
1785CA01	Australia	Valve Conduit	Patent Application	2022200147		2017-10-31	2018-09-12		
1785CA02	Canada	Valve Conduit	Granted	3078607		2017-10-31	2018-09-12	3078607	2022-07-26
1785CN01	China	Valve Conduit	Patent Application	3158944		2017-10-31	2018-09-12		
1785EP01	European Patent	Valve Conduit	Published	201880070702.3		2017-10-31	2018-09-12	111818875	2020-10-23
1785JP01	Japan	Valve Conduit	Published	18779917.6		2017-10-31	2018-09-12	3703617	2020-08-09
1785JP02	Japan	Valve Conduit	Granted	2020524200		2017-10-31	2018-09-12	2021-501016	2021-01-14
1785US01	United States of America	Valve Conduit	Patent Application	2022-206828		2017-10-31	2018-09-12		7202374
1785US02	United States of America	Valve Conduit	Expired	62/579,752		2017-10-31	2017-10-31		
1785US03	United States of America	PULMONARY VALVE CONDUIT	Granted	16/129673		2018-09-12	2018-10-29	20190125529	2019-05-02
1785US04	United States of America	VALVED CONDUIT	Granted	29/668194		2017-10-31	2021-05-07	2021-0322158	2021-10-21
1785US05	United States of America	PULMONARY VALVE CONDUIT	Published	17/314484		2017-10-31	2023-02-06		
1785WCO1	Patent Cooperation Treaty	Valve Conduit	Patent Application	29/683960		2018-10-29	2023-02-06		
1790AU01	Australia	Jackets for Surgical Heart Valve	Expired	US2018/050771		2017-10-31	2018-09-12	WO 2019/089137	2019-05-09
1790CA01	Canada	Jackets for Surgical Heart Valve	Granted	2018362082		2017-10-31	2018-09-28	2018362082	2021-08-26
1790CN01	China	Jackets for Surgical Heart Valve	Granted	3078700		2017-10-31	2018-09-28	3078700	2022-10-04
1790EP01	European Patent	Jackets for Surgical Heart Valve	Published	201880070520.6		2017-10-31	2018-09-28	111278388	2022-05-24
1790JP01	Japan	Jackets for Surgical Heart Valve	Published	18788962.1		2017-10-31	2018-09-28	3703619	2020-09-09
1790US01	United States of America	Jackets for Surgical Heart Valve	Granted	2020-524022		2017-10-31	2018-09-28	2021-500977	2021-01-14
1790US02	United States of America	Jackets for Surgical Heart Valve	Expired	62/579754		2017-10-31	2017-10-31		6882177
1790US03	United States of America	Jackets for Surgical Heart Valve	Expired	62/667181		2017-10-31	2018-05-04		
1790US04	United States of America	JACKET FOR SURGICAL HEART VALVE	Granted	16/129677		2017-10-31	2018-09-12	20190125530	2019-05-02
1790US05	United States of America	HEART VALVE COVER	Granted	29/669270		2018-11-07	2018-11-07		
1790WCO1	Patent Cooperation Treaty	JACKET FOR SURGICAL HEART VALVE	Published	17/476867		2017-10-31	2018-09-12	2022-0000611	2022-01-06
		Jackets for Surgical Heart Valve	Expired	US2018/053278		2017-10-31	2018-09-28	WO 2019/089163	2019-05-09
1791AU01	Australia	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Granted	2018347852		2017-10-13	2018-09-12	2018347852	2021-12-02
1791AU02	Australia	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Patent Application	2021266184		2017-10-13	2018-09-12		
1791CA01	Canada	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Patent Application	3078699		2017-10-13	2018-09-12		
1791CN01	China	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Granted	201880080094.4		2017-10-13	2018-09-12	111447890	2020-07-24
1791CN02	China	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Patent Application	202310032223.5		2017-10-13	2018-09-12		111447890
1791EP01	European Patent	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Published	18779923.4		2017-10-13	2018-09-12	3694445	2020-08-19
1791JP01	Japan	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Granted	2020-520450		2017-10-13	2018-09-12	2020-536661	2020-12-17
1791JP02	Japan	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Published	2022-030783		2017-10-13	2018-09-12	2022-066307	2022-04-28
1791US01	United States of America	Transcatheter Mitral Valve Replacement	Expired	62/672281		2017-10-13	2017-10-13		
1791US02	United States of America	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Expired	62/679762		2017-10-31	2017-10-31		
1791US03	United States of America	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Granted	16/129779		2017-10-13	2018-09-12	US-2019-0110893-A1	2019-04-18
1791US04	United States of America	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Published	17/383699		2017-10-13	2021-07-23	2021-0346156	2021-11-11
1791WCO1	Patent Cooperation Treaty	TELESCOPING PROSTHETIC VALVE AND DELIVERY SYSTEM	Expired	US2018/050786		2017-10-13	2018-09-12	WO2019/074607	2019-04-18

1817AU01	Australia	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Granted	2018342222	2017-09-27	2018-09-12		2018342222	2021-09-02
1817AU02	Australia	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Patent Application	2021212156	2017-09-27	2018-09-12			
1817CA01	Canada	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Allowed	3072814	2017-09-27	2018-09-12			
1817CA02	Canada	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Patent Application	3178271	2017-09-27	2018-09-12			
1817CN01	China	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Granted	201880062648.8	2017-09-27	2018-09-12	111132636	201880062648.8	2022-04-08
1817CN02	China	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Granted	2022102776986.6	2017-09-27	2018-09-12	115177403		2022-10-14
1817EP01	European Patent	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Published	18778542.2	2017-09-27	2018-09-12	3687451		2020-08-05
1817JP01	Japan	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Granted	2020-517584	2017-09-27	2018-09-12	2020-534944	2020-12-03	7068444 2022-05-06
1817JP02	Japan	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Published	2021-206225	2017-09-27	2018-09-12	2022-033193		2022-02-28
1817US01	United States of America	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Expired	62/678759		2017-10-31			
1817US02	United States of America	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Expired	62/682885		2018-06-08			
1817US03	United States of America	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Granted	16/128647	2017-09-27	2018-09-12	US-2019-0091014-A1	2019-03-28	11020221 2021-06-01
1817US04	United States of America	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Published	17/333620	2017-09-27	2021-05-28	2021-0393399	2021-12-23	
1817WCO1	Patent Cooperation Treaty	PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS	Expired	US2018/050766	2017-09-27	2018-09-12	WO2019/067219	2019-04-04	
1818AU01	Australia	PROSTHETIC HEART VALVE	Granted	2018362081	2017-10-31	2018-09-12		2018362081	2021-08-26
1818AU02	Australia	PROSTHETIC HEART VALVE	Patent Application	2021212123	2017-10-31	2018-09-12			
1818CA01	Canada	PROSTHETIC HEART VALVE	Allowed	3078608	2017-10-31	2018-09-12			
1818CA02	Canada	PROSTHETIC HEART VALVE	Patent Application	3187189	2017-10-31	2018-09-12			
1818CN01	China	PROSTHETIC HEART VALVE	Granted	201880070541.8	2017-10-31	2018-09-12	111295156	2020-06-16	201880070541.8 2022-05-27
1818CN02	China	PROSTHETIC HEART VALVE	Published	202210476736.4	2017-10-31	2018-09-12	114831777	2022-08-02	
1818EP01	European Patent	PROSTHETIC HEART VALVE	Published	18778922.6	2017-10-31	2018-09-12	3703618	2020-09-09	
1818JP01	Japan	PROSTHETIC HEART VALVE	Allowed	2020-523988	2017-10-31	2018-09-12	2021-500968	2021-01-14	
1818JP02	Japan	PROSTHETIC HEART VALVE	Published	2022-103382	2017-10-31	2018-09-12	2022-126834	2022-08-30	
1818US01	United States of America	PROSTHETIC HEART VALVE	Expired	62/579763		2017-10-31			
1818US02	United States of America	PROSTHETIC HEART VALVE	Granted	16/129685	2017-10-31	2018-09-12	20180125531	2019-05-02	11123183 2021-09-21
1818US03	United States of America	PROSTHETIC HEART VALVE	Published	17/393539	2017-10-31	2018-09-12	2021-0361420	2021-11-25	
1818WCO1	Patent Cooperation Treaty	PROSTHETIC HEART VALVE	Expired	US2018/050779	2017-10-31	2018-09-12	WO 2019/089138	2019-05-09	

1847US01	United States of America	TISSUE CUTTING ELEMENTS AND RETENTION FEATURES FOR IMPLANTS, AND ASSOCIATED SYSTEMS AND METHODS	Expired	62/984564		2020-03-03			
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1847US02	United States of America	TISSUE CUTTING ELEMENTS AND RETENTION FEATURES FOR IMPLANTS, AND ASSOCIATED SYSTEMS AND METHODS	Patent Application	17/909591	2020-03-03	2021-03-02				
1847WCO1	Patent Cooperation Treaty	TISSUE CUTTING ELEMENTS AND RETENTION FEATURES FOR IMPLANTS, AND ASSOCIATED SYSTEMS AND METHODS	Expired	US2021/020446	2020-03-03	2021-03-02	WO2021/178394	2021-09-10		
1897EP01	European Patent	DIAMETRIC EXPANSION FEATURES FOR PROSTHETIC VALVES	Published	18714072.6	2018-03-16	2019-03-16	3764949	2021-01-20		
1897JP01	Japan	DIAMETRIC EXPANSION FEATURES FOR PROSTHETIC VALVES	Granted	2020-549573	2018-03-16	2019-03-16	2021-515669	2021-06-24	7096899	2022-06-28
1897JP02	Japan	DIAMETRIC EXPANSION FEATURES FOR PROSTHETIC VALVES	Published	2022-101876	2018-03-16	2019-03-16	2022-118237	2022-08-12		
1897US01	United States of America	DIAMETRIC EXPANSION FEATURES FOR PROSTHETIC VALVES	Expired	62/644156		2018-03-16				
1897US02	United States of America	DIAMETRIC EXPANSION FEATURES FOR PROSTHETIC VALVES	Granted	16/355515	2018-03-16	2019-03-15	2019-0282360	2019-09-19	11071626	2021-07-27
1897US03	United States of America	DIAMETRIC EXPANSION FEATURES FOR PROSTHETIC VALVES	Published	17/371915	2018-03-16	2021-07-09	2021-0330457	2021-10-28		
1897WCO1	Patent Cooperation Treaty	DIAMETRIC EXPANSION FEATURES FOR PROSTHETIC VALVES	Expired	US2019/022646	2018-03-16	2019-03-16	WO 2019/178581	2019-09-19		
1948EP01	European Patent	TRANSCATHETER PROSTHETIC VALVE WITH MULTIPART FRAME SUBCOMPONENT	Published	20757765.1	2019-08-01	2020-07-31	4007545	2022-06-08		
1948JP01	Japan	TRANSCATHETER PROSTHETIC VALVE WITH MULTIPART FRAME SUBCOMPONENT	Patent Application	2022-506532	2019-08-01	2020-07-31				
1948US01	United States of America	TRANSCATHETER PROSTHETIC VALVE WITH MULTIPART FRAME SUBCOMPONENT	Expired	62/681428		2019-08-01				
1948US02	United States of America	TRANSCATHETER PROSTHETIC VALVE WITH MULTIPART FRAME SUBCOMPONENT	Published	17/632120	2019-08-01	2020-07-31	2022-0273426	2022-09-01		
1948WCO1	Patent Cooperation Treaty	TRANSCATHETER PROSTHETIC VALVE WITH MULTIPART FRAME SUBCOMPONENT	Expired	US2020/044603	2019-08-01	2020-07-31	2021022211	2021-02-04		
1968US01	United States of America	TRANSCATHETER TISSUE CUTTING SYSTEM	Expired	62/984554	2020-03-03	2020-03-03				
1968US02	United States of America	TRANSCATHETER TISSUE CUTTING SYSTEM	Patent Application	17/909608	2020-03-03	2021-02-17				
1968WCO1	Patent Cooperation Treaty	TRANSCATHETER TISSUE CUTTING SYSTEM	Expired	US2021/018383	2020-03-03	2021-02-17	WO2021/178135	2021-09-10		
2026AU01	Australia	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Allowed	2020232237	2019-03-01	2020-02-29				
2026AU02	Australia	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	To be filed							
2026CA01	Canada	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Patent Application	3128855	2019-03-01	2020-02-29				
2026CN01	China	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Published	202080032797.7	2019-03-01	2020-02-29	113891694	2022-01-04		
2026EP01	European Patent	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Published	20717360.0	2019-03-01	2020-02-29	3930631	2022-01-05		
2026JP01	Japan	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Published	2021-551814	2019-03-01	2020-02-29	2022-522792	2022-04-20		
2026US01	United States of America	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Expired	62/612782		2019-03-01				
2026US02	United States of America	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Expired	62/833086		2019-04-12				
2026US03	United States of America	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Granted	16/605181	2019-03-01	2020-02-28	2020-0276014	2020-09-03	11497601	2022-11-15

2026US04	United States of America	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Published	17/736704	2019-03-01	2020-02-28	2022-0257369	2022-08-18
2026WCO1	Patent Cooperation Treaty	TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT	Expired	US2020/020550	2019-03-01	2020-02-29	2020180748	2020-09-10
2051AU02	Australia	Prosthetic Valve with Asymmetric Leaflets	Patent Application	2020324465	2019-08-08	2020-08-10		
2051CA02	Canada	Prosthetic Valve with Asymmetric Leaflets	Patent Application	3143781	2019-08-08	2020-08-10		
2051CN02	China	Prosthetic Valve with Asymmetric Leaflets	Published	2020800562464	2019-08-08	2020-08-10	114206267	2022-03-18
2051EP02	European Patent	Prosthetic Valve with Asymmetric Leaflets	Published	20761423.1	2019-08-08	2020-08-10	4009909	2022-06-15
2051JP02	Japan	Prosthetic Valve with Asymmetric Leaflets	Published	2022-507657	2019-08-08	2020-08-10	2022-543850	2022-10-14
2051US01	United States of America	Prosthetic Valve with Asymmetric Leaflets	Expired	62/684559	2019-08-08	2019-08-08		
2051US02	United States of America	Prosthetic Valve with Asymmetric Leaflets	Published	17/632948	2019-08-08	2020-08-10	2022-0338980	2022-10-27
2051WCO1	Patent Cooperation Treaty	Prosthetic Valve with Asymmetric Leaflets	Expired	US2020/045614	2019-08-08	2020-08-10	WO 2021/026531	2021-02-11
2133AU01	Australia	Valve with Multi-Part Frame and Associated Resilient Bridging Features	Patent Application	2020270993	2019-04-12	2020-04-13		
2133CA01	Canada	Valve with Multi-Part Frame and Associated Resilient Bridging Features	Patent Application	3131177	2019-04-12	2020-04-13		
2133CN01	China	Valve with Multi-Part Frame and Associated Resilient Bridging Features	Published	202080043443.2	2019-04-12	2020-04-13	114007546	2022-02-01
2133EP01	European Patent	Valve with Multi-Part Frame and Associated Resilient Bridging Features	Published	20722947.7	2019-04-12	2020-04-13	39652790	2022-02-16
2133JP01	Japan	Valve with Multi-Part Frame and Associated Resilient Bridging Features	Published	2021-560035	2019-04-12	2020-04-13	2022-526188	2022-05-23
2133US01	United States of America	ASSOCIATED RESILIENT BRIDGING FEATURES	Expired	62/633176		2019-04-12		
2133US02	United States of America	VALVE WITH MULTI-PART FRAME AND ASSOCIATED RESILIENT BRIDGING FEATURES	Published	17/603256	2019-04-12	2020-04-13	2022-0163831	2022-06-16
2133WCO1	Patent Cooperation Treaty	Valve with Multi-Part Frame and Associated Resilient Bridging Features	Expired	US2020/027921	2019-04-12	2020-04-13	WO2020/210794	2020-10-15
2144US01	United States of America	LEAFLET ATTACHMENT MECHANISM AND STRAIGHT ATTACHMENT STRUTS	Expired	62/984600		2020-03-03		
2144US02	United States of America	LEAFLET ATTACHMENT MECHANISM AND STRAIGHT ATTACHMENT STRUTS	Patent Application	17/909501	2020-03-03	2021-03-02		
2144WCO1	Patent Cooperation Treaty	LEAFLET ATTACHMENT MECHANISM AND STRAIGHT ATTACHMENT STRUTS	Expired	US2021/020455	2020-03-03	2021-03-02	WO2021/178400	2021-09-10
2154AU02	Australia	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Patent Application	2020267416	2019-05-06	2020-05-06		
2154CA02	Canada	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Patent Application	3134267	2019-05-06	2020-05-06		
2154CN02	China	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Patent Application	20208003575.7	2019-05-06	2020-05-06		
2154EP02	European Patent	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Published	20728853.1	2019-05-06	2020-05-06	3965694	2022-03-16
2154JP02	Japan	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Published	2021-5660995	2019-05-06	2020-05-06	2022-531488	2022-07-08
2154US01	United States of America	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Expired	62/643911	2019-05-06	2019-05-06		
2154US02	United States of America	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Patent Application	17/609176	2019-05-06	2020-05-06		
2154WCO1	Patent Cooperation Treaty	VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE VALVED CONDUIT WITH EXPANDABLE	Expired	US2020/031597	2019-05-06	2020-05-06	2020227359	2020-11-12
2298AU03	Australia	Valved Conduit Prostheses	Patent Application	2021259619	2020-04-23	2021-04-23		
2298CA03	Canada	Valved Conduit Prostheses	Patent Application	3174105	2020-04-23	2021-04-23		
2298CN03	China	Valved Conduit Prostheses	Published	202180030316.3	2020-04-23	2021-04-23	115515530	2022-12-23
2298EP03	European Patent	Valved Conduit Prostheses	Published	21725334.3	2020-04-23	2021-04-23	4136728	2023-03-01
2298JP03	Japan	Valved Conduit Prostheses	Patent Application	2022-564569	2020-04-23	2021-04-23		
2298US01	United States of America	Valved Conduit Prostheses	Expired	63/014124	2020-04-23	2021-04-23		
2298US02	United States of America	Valved Conduit Prostheses	Expired	63/015373	2020-04-24	2020-04-24		
2298US03	United States of America	Valved Conduit Prostheses	Patent Application	17/921008	2020-04-23	2021-04-23		
2298WCO3	Patent Cooperation Treaty	Valved Conduit Prostheses	Expired	US2021/028814	2020-04-23	2021-04-23	US2021/216982	2021-10-28

MP/415GB01	United States of America Patent Cooperation Treaty	VALVED CONDUIT IN A CONDUIT VALVED CONDUIT IN A CONDUIT	Expired Published	639169576 US2022022554	2021-04-01	2021-04-01 2022-03-30	WO 2022/212509	2022-10-06	
MP/415AU	Australia	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	2013283455	2012-07-25	2014-12-18	2013283455	2016-08-15	2013283455
MP/415AU02	Australia	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	2016273906	2012-07-25	2014-12-18			2016273906
MP/415AU03	Australia	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	2019216680	2012-07-25	2018-08-15			
MP/415BR	Brazil	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	112015001626-0	2012-07-25	2015-01-23	112015001626-0	2017-07-04	
MP/415CA	Canada	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	2878180	2012-07-25	2014-12-30			2878180
MP/415CA02	Canada	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	2963234	2012-07-25	2014-12-30			2963234
MP/415CA03	Canada	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	3020935	2012-07-25	2013-06-18			3020935
MP/415CA04	Canada	EVERTING TRANSCATHETER VALVE AND METHODS	Allowed	3098032	2012-07-25	2013-06-18			
MP/415CA05	Canada	EVERTING TRANSCATHETER VALVE AND METHODS	Patent Application	Awaiting app. no.	2012-07-25	2013-06-18			
MP/415CN	China	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	201380038305.7	2012-07-25	2015-02-09	104487023	2015-04-01	201380038305.7
MP/415CN02	China	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	201611145583.2	2012-07-25	2013-06-18	106726007	2017-05-31	201611145583.2
MP/415CN03	China	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	201811166010.2	2012-07-25	2013-06-18	108363803	2019-02-22	201811166010.2
MP/415DE01	Germany (Federal Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	13735108.6	2012-07-25	2013-06-18			2877122
MP/415DE02	Germany (Federal Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	15186981.5	2012-07-25	2013-06-18			3001979
MP/415DE03	Germany (Federal Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	17167842.8	2012-07-25	2013-06-18			3216424
MP/415DE04	Germany (Federal Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	18204192.1	2012-07-25	2013-06-18			3501454
MP/415EP	European Patent	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	13735108.6	2012-07-25	2013-06-18	2877122	2015-06-03	2877122
MP/415EP03	European Patent	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	15186981.5	2012-07-25	2013-06-18	3001979	2016-04-06	3001979
MP/415EP04	European Patent	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	17167842.8	2012-07-25	2013-06-18	3216424	2017-09-13	3216424
MP/415EP05	European Patent	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	18204192.1	2012-07-25	2013-06-18	3501454	2019-06-26	3501454
MP/415EP06	European Patent	EVERTING TRANSCATHETER VALVE AND METHODS	Published	20178778.4	2012-07-25	2013-06-18	3733131	2020-11-04	
MP/415ES01	Spain	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	18204192.1	2012-07-25	2013-06-18			3501454
MP/415FR01	France	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	13735108.6	2012-07-25	2013-06-18			2877122
MP/415FR02	France	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	15186981.5	2012-07-25	2013-06-18			3001979
MP/415FR03	France	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	17167842.8	2012-07-25	2013-06-18			3216424
MP/415FR04	France	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	18204192.1	2012-07-25	2013-06-18			3501454
MP/415GB01	United Kingdom	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	13735108.6	2012-07-25	2013-06-18			2877122
MP/415GB02	United Kingdom	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	15186981.5	2012-07-25	2013-06-18			3001979
MP/415GB03	United Kingdom	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	17167842.8	2012-07-25	2013-06-18			3216424
MP/415GB04	United Kingdom	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	18204192.1	2012-07-25	2013-06-18			3501454

MP/415HK	Hong Kong	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	15106612.8	2012-07-25	2013-06-18	1205918A	2015-12-31	1205918	2018-01-19
MP/415HK3	Hong Kong	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	16104732.7	2012-07-25	2013-06-18	1216603	2016-11-25	1216603	2018-04-20
MP/415HK4	Hong Kong	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	18101892.7	2012-07-25	2013-06-18	1242552	2018-06-29	1242552	2019-11-29
MP/415HK5	Hong Kong	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	19132259.3	2013-03-12	2013-06-18				
MP/415IE01	Ireland (Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	13735108.6	2012-07-25	2013-06-18			2877122	2016-11-23
MP/415IE02	Ireland (Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	15186981.5	2012-07-25	2013-06-18			3001979	2017-04-26
MP/415IE03	Ireland (Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	17167842.8	2012-07-25	2013-06-18			3216424	2018-11-21
MP/415IE04	Ireland (Republic of)	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	18204192.1	2012-07-25	2013-06-18			3501454	2020-07-29
MP/415IT01	Italy	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	13735108.6	2012-07-25	2013-06-18			502017000020005	2016-11-23
MP/415IT02	Italy	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	15186981.5	2012-07-25	2013-06-18			502017000078329	2017-04-26
MP/415IT03	Italy	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	17167842.8	2012-07-25	2013-06-18			502018000015415	2018-11-21
MP/415IT04	Italy	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	18204192.1	2012-07-25	2013-06-18			50202000096973	2020-07-29
MP/415JP	Japan	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	2015-524278	2012-07-25	2013-06-18	2015-522396	2015-08-06	6382808	2018-08-10
MP/415JP02	Japan	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	2018-143821	2012-07-25	2013-06-18	2018-187430	2018-11-29	6659195	2021-10-11
MP/415JP03	Japan	EVERTING TRANSCATHETER VALVE AND METHODS	Allowed	2020-070179	2012-07-25	2013-06-18	2020-114486	2020-07-30		
MP/415JP04	Japan	EVERTING TRANSCATHETER VALVE AND METHODS	Published	2022-007912	2012-07-25	2013-06-18	2022-058718	2022-04-12		
MP/415KR	Korea, Republic of (KR)	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	10-2015-7004610	2012-07-25	2013-06-18			2151603	2020-08-28
MP/415KR02	Korea, Republic of (KR)	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	10-2020-7024692	2012-07-25					
MP/415RU	Russian Federation	EVERTING TRANSCATHETER VALVE AND METHODS	Abandoned	2015106127	2012-07-25	2015-02-24				
MP/415US	United States of America	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	13/797633	2012-07-25	2013-03-12	20140031924	2014-01-30	9283072	2016-03-15
MP/415US02	United States of America	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	15/042351	2012-07-25	2016-02-12	2016-0157998	2016-06-09	10285808	2019-05-14
MP/415US03	United States of America	EVERTING TRANSCATHETER VALVE AND METHODS	Granted	16/639650	2012-07-25	2019-03-20	2019-0209292	2019-07-11	11166609	2021-11-09
MP/415US04	United States of America	EVERTING TRANSCATHETER VALVE AND METHODS	Published	17/495042	2012-07-25	2019-03-20	2022-0023032	2022-01-27		
MP/415WO	Patent Cooperation Treaty	EVERTING TRANSCATHETER VALVE AND METHODS	Expired	2013/046389	2012-07-25	2013-06-18	2014/018189	2014-01-30		
P/MP/415US	United States of America	EVERTING TRANSCATHETER VALVE AND METHODS	Expired	61/675744		2012-07-25				
MP/416AU	Australia	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2013289212	2012-07-27	2015-01-06	2013289212	2016-08-25	2013289212	2016-12-08
MP/416AU02	Australia	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2016262761	2012-07-27	2015-01-06			2016262761	2019-11-14
MP/416AU03	Australia	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2019257469	2012-07-27	2019-10-31			2019257469	2022-02-10
MP/416AU04	Australia	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Patent Application	2022200486	2012-07-27	2019-10-31				
MP/416BR	Brazil	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Abandoned	112015001756-8	2012-07-27	2015-01-26				
MP/416CA	Canada	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2878691	2012-07-27	2013-07-22			2878691	2017-06-06

MP/416CA02	Canada	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2964546	2012-07-27	2013-07-22		2964546	2021-09-28
MP/416CA03	Canada	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Patent Application	3127061	2012-07-27	2013-07-22			
MP/416CN	China	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	201380039762.6	2012-07-27	2013-07-22	104507417	2015-04-08	2018-08-14
MP/416CN02	China	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	201810762807.1	2012-07-27	2015-01-26	108892206	2018-12-14	201810762807.1
MP/416DE01	Germany (Federal Republic of)	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13745515.0	2012-07-27	2013-07-22		2877123	2020-12-30
MP/416EP	European Patent	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13745515.0	2012-07-27	2013-07-22	2877123	2015-06-03	2877123
MP/416EP02	European Patent	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Published	20208836.5	2012-07-27	2013-07-22	3797738	2021-03-31	
MP/416ES01	Spain	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13745515.0	2012-07-27	2013-07-22		2877123	2020-12-30
MP/416FR01	France	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13745515.0	2012-07-27	2013-07-22		2877123	2020-12-30
MP/416GB01	United Kingdom	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13745515.0	2012-07-27	2013-07-22		2877123	2020-12-30
MP/416HK	Hong Kong	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Abandoned	15106594.0	2012-07-27	2015-02-23	1205915A	2015-12-31	
MP/416IE01	Ireland (Republic of)	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13745515.0	2012-07-27	2013-07-22		2877123	2020-12-30
MP/416IT01	Italy	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13745515.0	2012-07-27	2013-07-22		502021000021671	2020-12-30
MP/416JP	Japan	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2015-524359	2012-07-27	2013-07-22	2015-523168	2015-08-13	2018-01-26
MP/416JP02	Japan	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2018-006538	2012-07-27	2015-01-27	2018-079352	2018-05-24	6639109
MP/416JP03	Japan	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	2019-229287	2012-07-27	2015-01-27	2020-049266	2020-04-02	7044752
MP/416JP04	Japan	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Published	2022-0462322	2012-07-27	2015-01-27	2022-069662	2022-05-11	
MP/416KR	Korea, Republic of (KR)	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Abandoned	10-2015-7004845	2012-07-27	2013-07-22			
MP/416RU	Russian Federation	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Abandoned	2015106667	2012-07-27	2015-02-26			
MP/416US	United States of America	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Granted	13/797528	2012-07-27	2013-03-12	20140031927	2014-01-30	10376360
MP/416US02	United States of America	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Published	16/402967	2012-07-27	2019-05-03	20180254815	2019-08-22	
MP/416WO	Patent Cooperation Treaty	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Expired	2013/051431	2012-07-27	2013-07-22	2014/018432	2014-01-30	
P/MP/416US	United States of America	MULTI-FRAME PROSTHETIC VALVE APPARATUS AND METHODS	Expired	61/678612		2012-07-27			
MP/476AU	Australia	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2013361268	2013-03-15	2013-12-19	2013361268	2017-04-27	2013361268
MP/476AU01	Australia	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2017202433	2013-03-15	2013-12-19		2017202433	2019-08-28
MP/476AU02	Australia	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2018216635	2013-03-15	2013-12-19		2018216635	2020-10-15
MP/476AU03	Australia	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2020244552	2013-03-15	2013-12-19		2020244552	2023-02-23
MP/476AU04	Australia	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Patent Application	2023200665	2013-03-15	2013-12-19			
MP/476CA	Canada	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2891613	2013-03-15	2013-12-19		2891613	2018-03-06
MP/476CA02	Canada	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2989221	2013-03-15	2013-12-19		2989221	2021-09-15
MP/476CA03	Canada	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	3089605	2013-03-15	2013-12-19			

MP/476CA04	Canada	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Patent Application	3182781	2012-12-19	2013-12-19															
MP/476CN	China	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	201380065833.X	2013-03-15	2013-12-19		104863999		2015-09-02	201380065833.X	2017-09-05									
MP/476CNO2	China	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	201710667323.X	2013-03-15	2013-12-19		107307924		2017-11-03	201710667323.X	2020-04-10									
MP/476DE01	Germany (Federal Republic of)	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19					2634392	2018-02-07									
MP/476DE02	Germany (Federal Republic of)	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	17194473.9	2013-03-15	2013-12-19		2934392		2015-10-28	2634392	2022-06-29									
MP/476EP	European Patent	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19		3298988		2018-03-28	3298988										
MP/476EP02	European Patent	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	17194473.9	2013-03-15	2013-12-19		3298988			3298988										
MP/476EP03	European Patent	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Published	22177518.2	2013-03-15	2013-12-19		4082483		2022-11-02											
MP/476ES01	Spain	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19					2634392	2018-02-07									
MP/476ES02	Spain	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	17194473.9	2013-03-15	2013-12-19					3298988	2022-06-29									
MP/476FR01	France	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19		2634392		2018-02-07	2634392	2022-06-29									
MP/476FR02	France	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	17194473.9	2013-03-15	2013-12-19		3298988		2022-06-29	3298988										
MP/476GB01	United Kingdom	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19		2634392		2018-02-07	2634392	2022-06-29									
MP/476GB02	United Kingdom	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	17194473.9	2013-03-15	2013-12-19		3298988		2022-06-29	3298988										
MP/476HK01	Hong Kong	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Abandoned	16103105.8	2012-12-19	2013-12-19		1215145		2016-08-19	1215145	2018-01-18									
MP/476HK02	Hong Kong	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Abandoned	16110220.1	2013-12-18	2013-12-19		1250620		2019-01-11											
MP/476IE01	Ireland (Republic of)	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19		2634392		2018-02-07	2634392	2022-06-29									
MP/476IE02	Ireland (Republic of)	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	17194473.9	2013-03-15	2013-12-19		3298988		2022-06-29	3298988										
MP/476IT01	Italy	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19		502018000012575		2018-02-07	502018000012575	2018-02-07									
MP/476IT02	Italy	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	502022000057768	2013-03-15	2013-12-19					3298988	2022-06-29									
MP/476JP	Japan	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2015-549734	2013-03-15	2013-12-19		2016-501115		2016-01-18											
MP/476JP02	Japan	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	2019-011165	2013-03-15	2013-12-19		2019-103821		2019-06-27	6667422	2021-04-12									
MP/476JP03	Japan	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Published	2021-065369	2013-03-15	2013-12-19		2021102126		2021-07-15											
MP/476KR	Korea, Republic of (KR)	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Abandoned	10-2015-7019556	2013-03-15	2013-12-19															
MP/476NL01	Netherlands	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	13824700.2	2013-03-15	2013-12-19					2634392	2018-02-07									
MP/476US	United States of America	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	141733553	2012-12-19	2013-12-18		20140180400		2014-06-26	9737396	2017-08-22									
MP/476US02	United States of America	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Granted	15662571	2012-12-19	2017-07-28		US-2018-0125646-A1		2018-05-10	10881507	2021-01-05									
MP/476US03	United States of America	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Published	171740386	2012-12-19	2017-07-28		2021-0121289		2021-04-29											
MP/476WO	Patent Cooperation Treaty	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Expried	2013075688	2013-03-15	2013-12-19		20147100476		2014-06-26											
P/MP/476US	United States of America	PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF	Expried	61/802116		2013-03-15															
MP/477AU	Australia	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	2013363289	2012-12-19	2013-12-13		2013363289		2017-04-27	2013363289	2017-08-10									
MP/477AU02	Australia	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	2017202405	2012-12-19	2015-05-01					2017202405	2019-09-05									
MP/477AU03	Australia	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	2019219832	2012-12-19	2019-08-23					2019219832	2021-10-07									

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PATENTS AND PATENT APPLICATIONS**

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MP/477CA	Canada	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	2890227	2012-12-19	2015-05-05		2890227	2018-03-27
MP/477CA02	Canada	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	2895038	2012-12-19	2013-12-13		2895038	2018-03-27
MP/477CN	China	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	201380065852.2	2012-12-19	2013-12-13	104853897	201380065852.2	2017-10-24
MP/477CN02	China	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	201710706570.6	2012-12-19	2013-12-13	107296667	201710706570.6	2020-06-19
MP/477DE01	Germany (Federal Republic of)	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13818082.3	2012-12-19	2013-12-13		2894389	2017-09-13
MP/477DE02	Germany (Federal Republic of)	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	17187601.4	2012-12-19	2013-12-13		3266417	2022-08-03
MP/477EP	European Patent	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13818082.3	2012-12-19	2013-12-13	2894389	2894389	2017-09-13
MP/477EP02	European Patent	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	17187601.4	2012-12-19	2013-12-13	3266417	3266417	2022-08-03
MP/477FR01	France	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13818082.3	2012-12-19	2013-12-13	2894389	2894389	2017-09-13
MP/477FR02	France	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	17187601.4	2012-12-19	2013-12-13	3266417	3266417	2022-08-03
MP/477FR01	France	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13818082.3	2012-12-19	2013-12-13	2894389	2894389	2017-09-13
MP/477GB01	United Kingdom	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	17187601.4	2012-12-19	2013-12-13	3266417	3266417	2022-08-03
MP/477GB02	United Kingdom	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13818082.3	2012-12-19	2013-12-13	2894389	2894389	2017-09-13
MP/477HK01	Hong Kong	MULTI-FRAME PROSTHETIC HEART VALVE	Abandoned	16103104.9	2013-12-13	2013-12-13	1215144	1215144	2017-09-13
MP/477HK02	Hong Kong	MULTI-FRAME PROSTHETIC HEART VALVE	Abandoned	18107409.0	2013-03-15	2013-12-13	1247810		2018-10-05
MP/477IE01	Ireland (Republic of)	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13818082.3	2012-12-19	2013-12-13		2894389	2017-09-13
MP/477IE02	Ireland (Republic of)	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	17187601.4	2012-12-19	2013-12-13		3266417	2022-08-03
MP/477IT01	Italy	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13818082.3	2012-12-19	2013-12-13		2894389	2017-09-13
MP/477IT02	Italy	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	17187601.4	2012-12-19	2013-12-13		3266417	2022-08-03
MP/477JP	Japan	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	2015-5489510	2012-12-19	2013-12-13		6480343	2019-02-15
MP/477JP02	Japan	MULTI-FRAME PROSTHETIC HEART VALVE	Abandoned	2018-193655	2012-12-19	2013-12-13			
MP/477JP03	Japan	MULTI-FRAME PROSTHETIC HEART VALVE	Published	2021-005268	2012-12-19	2013-12-13			
MP/477JP04	Japan	MULTI-FRAME PROSTHETIC HEART VALVE	Patent Application	2023-004094	2012-12-19	2013-12-13			
MP/477KR	Korea, Republic of (KR)	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	10-2015-7019553	2012-12-19	2013-12-13		2242924	2021-04-15
MP/477US	United States of America	MULTI-FRAME PROSTHETIC HEART VALVE	Granted	13/633650	2012-12-19	2013-03-15	20140172077	10321986	2019-06-18
MP/477US02	United States of America	MULTI-FRAME PROSTHETIC HEART VALVE	Published	16/409101	2012-12-19	2019-05-10	2019/0289505		2019-06-18
MP/477WO	Patent Cooperation Treaty	MULTI-FRAME PROSTHETIC HEART VALVE	Expired	2013/074962	2013-03-15	2013-12-13	2014/099655		2014-06-26

MP/478AU	Australia	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Abandoned	2013364188	2013-03-15	2013-11-05			
MP/478AU01	Australia	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	2017200967	2013-03-15	2013-11-05		2017200967	2019-08-15
MP/478AU02	Australia	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	2019210640	2013-03-15	2013-11-05		2019210640	2021-05-06
MP/478CA	Canada	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	2891825	2013-03-15	2013-11-05		2891825	2018-12-04
MP/478CN	China	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	201380066483.9	2013-03-15	2013-11-05	104884000	201380066483.9	2017-07-11
MP/478DE01	Germany (Federal Republic of)	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05		2894386	2017-07-26
MP/478DE02	Germany (Federal Republic of)	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05		3241526	2018-08-29
MP/478EP	European Patent	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05	2894386	2894386	2017-07-26
MP/478EP01	European Patent	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05	3241526	3241526	2017-11-08
MP/478ES01	Spain	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05		2894386	2017-07-26
MP/478ES02	Spain	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05		3241526	2018-08-29
MP/478FR01	France	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05		2894386	2017-07-26

MP/478FR02	France	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05		3241526	2018-08-29
MP/478GB01	United Kingdom	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05		2934386	2017-07-26
MP/478GB02	United Kingdom	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05		3241526	2018-08-29
MP/478HK	Hong Kong	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Abandoned	16103226.2	2013-03-15	2013-11-05	1215151		2018-06-01
MP/478HK01	Hong Kong	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Abandoned	18104380.8	2012-12-19	2013-11-05	1245064		2018-08-24
MP/478IE01	Ireland (Republic of)	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05		2934386	2017-07-26
MP/478IE02	Ireland (Republic of)	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05		3241526	2018-08-29
MP/478IT01	Italy	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05		502017000115739	2017-07-26
MP/478IT02	Italy	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05		3241526	2018-08-29
MP/478JP	Japan	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	2015-549384	2013-03-15	2013-11-05	2016-501100		2016-01-18
MP/478JP02	Japan	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	2018-156551	2013-03-15	2013-11-05		6756785	2020-08-31
MP/478KR	Korea, Republic of (KR)	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	10-2015-7019565	2013-03-15	2013-11-05	2018-198964		2018-12-20
MP/478NL01	Netherlands	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13799419.0	2013-03-15	2013-11-05		2934386	2017-07-26
MP/478NL02	Netherlands	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	17176507.6	2013-03-15	2013-11-05		3241526	2018-08-29
MP/478US	United States of America	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Granted	13635988	2012-12-19	2013-03-15	20140172078		2014-06-19
MP/478US02	United States of America	CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Published	171188333	2012-12-19	2021-03-01	2021-0205074		2021-07-08
MP/478WO	Patent Cooperation Treaty	GEOMETRIC CONTROL OF BENDING CHARACTER IN PROSTHETIC HEART VALVE LEAFLETS	Expired	2013/068390	2013-03-15	2013-11-05	2014/099150		2014-06-26
MP/479AU	Australia	GEOMETRIC PROSTHETIC HEART VALVES	Granted	2013361283	2013-03-15	2013-12-19		2013361283	2017-04-27
MP/479AU02	Australia	GEOMETRIC PROSTHETIC HEART VALVES	Abandoned	2017206257	2013-03-15	2013-12-19			
MP/479CA	Canada	GEOMETRIC PROSTHETIC HEART VALVES	Granted	2891968	2013-03-15	2013-12-19		2891968	2018-09-11
MP/479CN	China	GEOMETRIC PROSTHETIC HEART VALVES	Granted	201380065834.4	2013-03-15	2013-12-19	104669949		2017-07-21
MP/479EU01	Germany (Federal Republic of)	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		2934391	2017-03-08
MP/479EP	European Patent	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		2934391	2017-03-08
MP/479ES01	Spain	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		2934391	2017-03-08
MP/479FR01	France	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		2934391	2017-03-08
MP/479GB01	United Kingdom	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		2934391	2017-03-08
MP/479HK01	Hong Kong	GEOMETRIC PROSTHETIC HEART VALVES	Abandoned	16103175.3	2013-12-19	2013-12-19		1215148	2018-03-29
MP/479IE01	Ireland (Republic of)	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		2934391	2017-03-08
MP/479IT01	Italy	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		502017000054629	2017-03-08

MP/479JP	Japan	GEOMETRIC PROSTHETIC HEART VALVES	Granted	2015-549695	2013-03-15	2013-12-19		6463693	2019-01-11
MP/479KR	Korea, Republic of (KR)	GEOMETRIC PROSTHETIC HEART VALVES	Abandoned	10-2015-7019566	2013-03-15	2013-12-19	2016-501113		
MP/479NL01	Netherlands	GEOMETRIC PROSTHETIC HEART VALVES	Granted	13818926.1	2013-03-15	2013-12-19		2934391	2017-03-08
MP/479US02	United States of America	GEOMETRIC PROSTHETIC HEART VALVES	Granted	14/133491	2012-12-19	2013-12-18	2014-0172083	10039638	2018-08-07
MP/479VWO	United States of America	GEOMETRIC PROSTHETIC HEART VALVES	Granted	16/040139	2012-12-19	2018-07-19	US-2018-0318070-A1	11039917	2021-06-22
MP/479VWO	Patent Cooperation Treaty	GEOMETRIC PROSTHETIC HEART VALVES	Expired	2013076504	2013-03-15	2013-12-19	2014/100394		
P/MP/479US	United States of America	GEOMETRIC HEART VALVE FRAME	Expired	61/802128	2013-03-15	2013-03-15			
MP/480AU	Australia	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Abandoned	2013363614	2013-03-15	2015-05-21			
MP/480AU01	Australia	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	2017201199	2013-03-15	2013-11-25		2017201199	2019-04-04
MP/480AU02	Australia	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	2019201907	2013-03-15	2013-11-25		2019201907	2021-07-22
MP/480CA	Canada	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	2892139	2013-03-15	2013-11-25		2892139	2017-07-25
MP/480CN	China	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	201380065837.8	2013-03-15	2013-11-25	104918582		
MP/480DE01	Germany (Federal Republic of)	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25		2934387	2016-10-12
MP/480EP	European Patent	VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25	2934387		
MP/480ES01	Spain	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25		2934387	2016-10-12
MP/480FR01	France	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25		2934387	2016-10-12
MP/480GB01	United Kingdom	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25		2934387	2016-10-12
MP/480HK01	Hong Kong	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Abandoned	16103177.1	2013-03-15	2013-11-25	1215149		
MP/480IE01	Ireland (Republic of)	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25		2934387	2016-10-12
MP/480IT01	Italy	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25		502016000131076	2016-10-12
MP/480JP	Japan	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	2015-549413	2013-03-15	2013-11-25	2016-501102	6491107	2019-03-08
MP/480JP02	Japan	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	2019-036198	2013-03-15	2013-11-25	2019-103840	6770120	2020-09-28
MP/480KR	Korea, Republic of (KR)	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Abandoned	10-2015-7019569	2013-03-15	2013-11-25			
MP/480NL01	Netherlands	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13811289.1	2013-03-15	2013-11-25		2934387	2016-10-12
MP/480US	United States of America	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Granted	13/841334	2012-12-19	2013-03-15	20140172079	9398952	2016-07-26
MP/480WVO	Patent Cooperation Treaty	PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET	Expired	2013/071632	2013-03-15	2013-11-25	2014/099282		
MP/481AU	Australia	TRUNCATED LEAFLET FOR HEART VALVES	Granted	2013363172	2013-03-15	2013-12-16	2013363172		
MP/481AU02	Australia	TRUNCATED LEAFLET FOR HEART VALVES	Granted	2017235949	2013-03-15	2013-12-16		2017235949	2019-09-26
MP/481AU03	Australia	TRUNCATED LEAFLET FOR HEART VALVES	Granted	2019229440	2013-03-15	2019-09-13		2019229440	2021-04-08
MP/481CA	Canada	TRUNCATED LEAFLET FOR HEART VALVES	Granted	2893098	2013-03-15	2013-12-16		2893098	2018-02-20
MP/481CA02	Canada	TRUNCATED LEAFLET FOR HEART VALVES	Granted	2990642	2013-03-15	2013-12-16		2990642	2019-09-17
MP/481CN	China	TRUNCATED LEAFLET FOR HEART VALVES	Granted	201380065949.3	2013-12-16	2013-12-16	105050541		
MP/481DE01	Germany (Federal Republic of)	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16		2934388	2017-08-30
MP/481DE02	Germany (Federal Republic of)	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16		3266416	2018-12-12

MP/481DE03	Germany (Federal Republic of)	TRUNCATED LEAFLET FOR HEART VALVES	Granted	18205790.1	2012-12-19	2013-12-16		3479797	2022-03-16
MP/481EP	European Patent	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16	2934388	2934388	2017-08-30
MP/481EP02	European Patent	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16	3266416	3266416	2018-12-12
MP/481EP03	European Patent	TRUNCATED LEAFLET FOR HEART VALVES	Granted	18205790.1	2012-12-19	2013-12-16	3479797	3479797	2022-03-16
MP/481ES01	Spain	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16	2934388	2934388	2017-08-30
MP/481ES02	Spain	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16	3266416	3266416	2018-12-12
MP/481ES03	Spain	TRUNCATED LEAFLET FOR HEART VALVES	Granted	18205790.1	2012-12-19	2013-12-16	3479797	3479797	2022-03-16
MP/481FR01	France	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16	2934388	2934388	2017-08-30
MP/481FR02	France	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16	3266416	3266416	2018-12-12
MP/481FR03	France	TRUNCATED LEAFLET FOR HEART VALVES	Granted	18205790.1	2012-12-19	2013-12-16	3479797	3479797	2022-03-16
MP/481GB01	United Kingdom	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16	2934388	2934388	2017-08-30
MP/481GB02	United Kingdom	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16	3266416	3266416	2018-12-12
MP/481GB03	United Kingdom	TRUNCATED LEAFLET FOR HEART VALVES	Granted	18205790.1	2012-12-19	2013-12-16	3479797	3479797	2022-03-16
MP/481HK01	Hong Kong	TRUNCATED LEAFLET FOR HEART VALVES	Abandoned	16103178.0	2013-12-16	2013-12-16	1215150	1215150	2018-06-22
MP/481HK02	Hong Kong	TRUNCATED LEAFLET FOR HEART VALVES	Abandoned	18107485.7	2013-03-15	2013-12-16	1248092	1248092	2020-01-03
MP/481HK03	Hong Kong	TRUNCATED LEAFLET FOR HEART VALVES	Abandoned	19130917.8	2013-03-15	2013-12-16			
MP/481IE01	Ireland (Republic of)	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16	2934388	2934388	2017-08-30
MP/481IE02	Ireland (Republic of)	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16	3266416	3266416	2018-12-12
MP/481IE03	Ireland (Republic of)	TRUNCATED LEAFLET FOR HEART VALVES	Granted	18205790.1	2012-12-19	2013-12-16	3479797	3479797	2022-03-16
MP/481IT01	Italy	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16	502017000132623	502017000132623	2017-08-30
MP/481IT02	Italy	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16	3266416	3266416	2018-12-12
MP/481IT03	Italy	TRUNCATED LEAFLET FOR HEART VALVES	Granted	18205790.1	2012-12-19	2013-12-16	502022000039020	502022000039020	2022-03-16
MP/481JP	Japan	TRUNCATED LEAFLET FOR HEART VALVES	Granted	2015-549523	2013-03-15	2013-12-16	2016-501105	2016-01-18	2020-01-07
MP/481JP02	Japan	TRUNCATED LEAFLET FOR HEART VALVES	Granted	2019-230319	2013-03-15	2013-12-16	2020-049275	2020-04-02	2022-04-25
MP/481KR	Korea, Republic of (KR)	TRUNCATED LEAFLET FOR HEART VALVES	Abandoned	10-2015-7019572	2013-03-15	2013-12-16			
MP/481NL01	Netherlands	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13815646.8	2012-12-19	2013-12-16	2934388	2934388	2017-08-30
MP/481NL02	Netherlands	TRUNCATED LEAFLET FOR HEART VALVES	Granted	17187595.8	2012-12-19	2013-12-16	3266416	3266416	2018-12-12
MP/481US	United States of America	TRUNCATED LEAFLET FOR HEART VALVES	Granted	13/843196	2012-12-19	2013-03-15	20140172080	2014-06-19	2015-09-29
MP/481US03	United States of America	TRUNCATED LEAFLET FOR PROSTHETIC HEART VALVES	Granted	14/838334	2013-03-15	2015-08-28	2015-0366663	2015-12-14	2019-11-05
MP/481US04	United States of America	TRUNCATED LEAFLET FOR PROSTHETIC HEART VALVES	Published	16/440340	2015-08-28	2019-06-13	US-2020-0000578-A1	2020-01-02	
MP/481WO	Patent Cooperation Treaty	TRUNCATED LEAFLET FOR HEART VALVES	Expired	2013/075274	2012-12-19	2013-12-16	2014/099722	2014-06-26	

MP/485US02	United States of America	VERTICAL COAPTATION ZONE IN A PLANAR PORTION OF PROSTHETIC HEART VALVE LEAFLET	Granted	15/947967	2012-12-19	2018-04-09	US-2018-0221144-A1	2018-08-09	10639144	2020-05-05
MP/485US03	United States of America	VERTICAL COAPTATION ZONE IN A PLANAR PORTION OF PROSTHETIC HEART VALVE LEAFLET	Published	16/646822	2012-12-19	2018-04-09	20200237505	2020-07-30		
MP/485WO	Patent Cooperation Treaty	VERTICAL COAPTATION ZONE IN A PLANAR PORTION OF PROSTHETIC HEART VALVE LEAFLET	Expired	2013/075380	2013-04-24	2013-12-16	2014/099774	2014-06-26		
MP/486AU	Australia	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Abandoned	2013364201	2013-04-24	2013-11-06				
MP/486AU01	Australia	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	2017200748	2013-04-24	2013-11-06	2017200748	2018-10-11	2017200748	2019-01-24
MP/486AUS	United States of America	METHODS FOR IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	14/792380	2013-04-24	2015-07-06	2015-0305862	2015-10-29	9827089	2017-11-28
MP/486AUS02	United States of America	METHODS FOR IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	15/720441	2015-07-06	2017-09-29	2018-0021128	2018-01-25	10660745	2020-05-26
MP/486AUS03	United States of America	METHODS FOR IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Published	16/652825	2017-09-29	2020-04-20	2020-0246137	2020-08-06		
MP/486CA	Canada	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	2891614	2013-04-24	2013-11-06			2891614	2017-11-28
MP/486CN	China	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	201380065820.2	2013-04-24	2013-11-06	104869948	2015-08-26	201380065820.2	2018-02-13
MP/486DE01	Germany (Federal Republic of)	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06			2934385	2017-01-04
MP/486DE02	Germany (Federal Republic of)	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	161966874	2013-04-24	2013-11-06			3278768	2019-03-13
MP/486EP	European Patent	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06	2934385	2015-10-28	2934385	2017-01-04
MP/486EP01	European Patent	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	161966874	2013-04-24	2013-11-06	3278768	2018-02-07	3278768	2019-03-13
MP/486ES01	Spain	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06			2934385	2017-01-04
MP/486ES02	Spain	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	161966874	2013-04-24	2013-11-06			3278768	2019-03-13
MP/486FR01	France	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06			2934385	2017-01-04
MP/486FR02	France	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	161966874	2013-04-24	2013-11-06			3278768	2019-03-13
MP/486GB01	United Kingdom	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06	2934385	2017-01-04	2934385	2017-01-04
MP/486GB02	United Kingdom	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	161966874	2013-04-24	2013-11-06			3278768	2019-03-13
MP/486HK01	Hong Kong	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Abandoned	16103296.7	2013-11-06	2013-11-06	1215371	2016-08-26	1215371	2018-03-02
MP/486HK02	Hong Kong	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Abandoned	18108666.2	2013-04-24	2013-11-06	1248002	2018-10-26	1248002	2020-04-09
MP/486IE01	Ireland (Republic of)	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06	2934385		2934385	2017-01-04
MP/486IE02	Ireland (Republic of)	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	161966874	2013-04-24	2013-11-06	3278768		3278768	2019-03-13
MP/486IT01	Italy	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06	2934385		2934385	2017-01-04
MP/486IT02	Italy	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	161966874	2013-04-24	2013-11-06			3278768	2019-03-13
MP/486JP	Japan	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	2015-549387	2013-04-24	2013-11-06	2016-501101	2016-01-18	6416780	2018-10-12
MP/486JP02	Japan	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	2018-189134	2013-04-24	2013-11-06	2016-202235	2018-12-27	7004631	2022-01-06
MP/486KR	Korea, Republic of (KR)	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Abandoned	10-2015-7019560	2013-04-24	2013-11-06			2137853	2020-07-20
MP/486NL01	Netherlands	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	137984316	2013-04-24	2013-11-06			2934385	2017-01-04

MP/486NL02	Netherlands	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	16196687.4	2013-04-24	2013-11-06		3278768	2019-03-13
MP/486US	United States of America	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Granted	13/669878	2012-12-19	2013-04-24	20140172082	9101469	2015-08-11
MP/486WO	Patent Cooperation Treaty	IMPROVED PROSTHETIC HEART VALVE WITH LEAFLET SHELVING	Expired	2013/068780	2013-04-24	2013-11-06	2014/099163	2014-06-26	

MP/500AU	Australia	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	2014360294	2013-12-06	2014-12-05	2014360294	2017-10-26	2014360294	2018-02-08
MP/500AU02	Australia	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	2018200631	2013-12-06	2014-12-05			2018200631	2020-06-11
MP/500AU03	Australia	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Abandoned	2020203433	2013-12-06	2014-12-05				
MP/500BR	Brazil	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Abandoned	112016012836-2	2013-12-06	2014-12-05	112016012836-2	2017-08-08		
MP/500CA	Canada	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	2932760	2013-12-06	2014-12-05			2932760	2020-03-10
MP/500CA02	Canada	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Abandoned	3065734	2013-12-06	2014-12-05				
MP/500CN	China	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	201480074823.7	2013-12-06	2014-12-05	105960220	2016-09-21	201480074823.7	2019-10-01
MP/500CN02	China	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Published	201910841260.4	2013-12-06	2014-12-05	110478094	2019-11-22		
MP/500DE01	Germany (Federal Republic of)	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14821950.4	2013-12-06	2014-12-05			3076900	2019-11-06
MP/500EP	European Patent	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14821950.4	2013-12-06	2014-12-05	3076900	2016-10-12	3076900	2019-11-06
MP/500EP02	European Patent	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Published	19202204.4	2013-12-06	2014-12-05	3613384	2020-02-26		
MP/500ES01	Spain	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14821950.4	2013-12-06	2014-12-05			3076900	2019-11-06
MP/500FR01	France	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14821950.4	2013-12-06	2014-12-05			3076900	2019-11-06
MP/500GB01	United Kingdom	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14821950.4	2013-12-06	2014-12-05			3076900	2019-11-06
MP/500HK	Hong Kong	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Abandoned	17102437.8	2013-12-06	2014-12-05	1228722	2017-11-10		
MP/500HK01	Hong Kong	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Abandoned	42020009180.9	2013-12-06	2014-12-05				
MP/500IE01	Ireland (Republic of)	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14821950.4	2013-12-06	2014-12-05			3076900	2019-11-06
MP/500IT01	Italy	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14821950.4	2013-12-06	2014-12-05			3076900	2019-11-06
MP/500JP	Japan	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	2016-536897	2013-12-06	2014-12-05	2016-538965	2016-12-15	6599330	2019-10-11
MP/500JP02	Japan	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	2019-178911	2013-12-06	2014-12-05	2020-014884	2020-01-30	6923613	2021-08-02
MP/500US	United States of America	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	14/561148	2013-12-06	2014-12-04	2015-0157456	2015-06-11	9504565	2016-11-29
MP/500US02	United States of America	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Granted	15/333749	2013-12-06	2016-10-25	2017-0042674	2017-02-16	10368884	2019-08-06
MP/500US03	United States of America	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Published	16/454928	2013-12-06	2019-06-27	2019/0314154	2019-10-17		
MP/500WO	Patent Cooperation Treaty	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Expired	US2014/058727	2013-12-06	2014-12-05	2015-085138	2015-06-11		
PMP/500S1US	United States of America	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Expired	61/974653	2014-04-03					
PMP/500US	United States of America	ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET	Expired	61/913235	2013-12-06					

PMP/619AU01	Australia	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	2015305868	2014-06-18	2015-06-13	2015305868	2018-09-20	2015305868	2019-01-03
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PMP/519AU02	Australia	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	2018282323	2014-08-18	2015-08-13		2018282323	2020-11-19
PMP/519BR01	Brazil	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Abandoned	112017003339-9	2014-08-18	2015-08-13	112017003339-9		
PMP/519CA01	Canada	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	2956402	2014-08-18	2015-08-13		2956402	2020-08-25
PMP/519CN01	China	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	201580043605.1	2014-08-18	2015-08-13	106659567	201580043605.1	2018-06-14
PMP/519EP01	European Patent	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Allowed	15754090.7	2014-08-18	2015-08-13	3182929		
PMP/519HK01	Hong Kong	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Abandoned	17112288.7	2014-08-18	2015-08-13	1238123		
PMP/519JP01	Japan	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	2017-509681	2014-08-18	2015-08-13	2017-528205	6445663	2018-12-07
PMP/519JP02	Japan	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	2018-223601	2014-08-18	2015-08-13	2018-048166	6773750	2020-10-05
PMP/519US	United States of America	PROSTHETIC VALVES	Expired	62/036727		2014-08-18			
PMP/519US02	United States of America	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	15/502871	2014-08-18	2015-08-13	2017-0231757	10314697	2019-06-11
PMP/519US03	United States of America	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Granted	16/394149	2014-08-18	2019-04-25	20180247185	11065112	2021-07-20
PMP/519WCO01	Patent Cooperation Treaty	FRAME WITH INTEGRAL SEWING CUFF FOR PROSTHETIC VALVES	Expired	2015/045002	2014-08-18	2015-08-13	WO2016028591		
PMP/523AU01	Australia	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	2015318007	2014-09-15	2015-09-15	2015318007	2015318007	2019-01-10
PMP/523AU02	Australia	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	2018286581	2014-09-15	2015-09-15		2018286581	2020-12-03
PMP/523AU03	Australia	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	2020273333	2014-09-15	2015-09-15		2020273333	2022-12-22
PMP/523AU04	Australia	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Patent Application	2022283738	2014-09-15	2015-09-15			
PMP/523BR01	Brazil	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Abandoned	112017005029-3	2014-09-15	2015-09-15			
PMP/523CA01	Canada	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	2960034	2014-09-15	2015-09-15		2960034	2019-06-25
PMP/523CA02	Canada	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	3042418	2014-09-15	2015-09-15		3042418	2022-04-12
PMP/523CA03	Canada	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Patent Application	3147802	2014-09-15	2015-09-15			
PMP/523CN01	China	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	201580049409.5	2014-09-15	2015-09-15	106714733	201580049409.5	2019-02-22
PMP/523CN02	China	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	201910059247.3	2014-09-15	2015-09-15	109589188	201910059247.3	2021-10-08
PMP/523CR01	Costa Rica	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Abandoned	2017-0144	2014-09-15	2015-09-15			
PMP/523CE01	Germany (Federal Republic of)	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	15771385.0	2014-09-15	2015-09-15		3193763	2020-10-28
PMP/523EP01	European Patent	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	15771385.0	2014-09-15	2015-09-15	3193763		2020-10-28
PMP/523EP02	European Patent	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Published	20204061.4	2014-09-15	2015-09-15	3804659		
PMP/523ES01	Spain	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	15771385.0	2014-09-15	2015-09-15		3193763	2020-10-28
PMP/523FR01	France	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	15771385.0	2014-09-15	2015-09-15		3193763	2020-10-28
PMP/523GB01	United Kingdom	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	15771385.0	2014-09-15	2015-09-15		3193763	2020-10-28
PMP/523HK01	Hong Kong	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Abandoned	17113011.9	2014-09-15	2015-09-15	1238502		
PMP/523IT01	Italy	RETENTION ELEMENTS	Granted	15771385.0	2014-09-15	2015-09-15			502020000121241 2020-12-21

PMP/623JP01	Japan	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	2017-5/4518	2014-09-15	2015-09-15	2017-5/27397	2017-09-21	6571763	2019-08-16
PMP/623JP02	Japan	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	2019-1/46650	2014-09-15	2015-09-15	2019-1/86245	2019-10-31	6602335	2020-11-30
PMP/623JP03	Japan	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	2020-1/96031	2014-09-15	2015-09-15	2021-02/8032	2021-02-25	7091424	2022-06-17
PMP/623JUS	United States of America	RETENTION ELEMENTS	Expired	62/050628		2014-09-15				
PMP/623JUS02	United States of America	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	14/653654	2014-09-15	2015-09-14	US-2016-0074161-A1	2016-03-17	9827094	2017-11-28
PMP/623JUS03	United States of America	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	15/791562	2014-09-15	2017-10-24	2018-004/8672	2018-02-22	10342659	2019-07-09
PMP/623JUS04	United States of America	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Granted	16/446343	2014-09-15	2019-06-19	US-2019-0374339-A1	2019-12-12	11471276	2022-10-18
PMP/623JUS05	United States of America	PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS	Published	17/941538	2014-09-15	2022-09-09	2023-0000623	2023-01-05		
PMP/623JW001	Patent Cooperation Treaty	RETENTION ELEMENTS	Expired	2015/050113	2014-09-15	2015-09-15	2016/044223	2016-03-24		
PMP/629AU01	Australia	VALVED CONDUIT	Granted	2015333658	2014-10-13	2015-10-13			2015333658	2019-03-14
PMP/629AU02	Australia	VALVED CONDUIT	Granted	2019201417	2014-10-13	2015-10-13			2019201417	2020-11-05
PMP/629AU03	Australia	VALVED CONDUIT	Granted	2020204617	2014-10-13	2015-10-13			2020204617	2022-01-06
PMP/629AU04	Australia	VALVED CONDUIT	Patent Application	2021290335	2014-10-13	2015-10-13				
PMP/629BR01	Brazil	VALVED CONDUIT	Abandoned	112017007670-5	2014-10-13	2015-10-13	112017007670-5	2017-04-25		
PMP/629CA01	Canada	VALVED CONDUIT	Granted	2962144	2014-10-13	2015-10-13			2962144	2020-05-12
PMP/629CA02	Canada	VALVED CONDUIT	Granted	3077818	2014-10-13	2015-10-13			3077818	2023-02-07
PMP/629CA03	Canada	VALVED CONDUIT	Patent Application	3183955	2014-10-13	2015-10-13				
PMP/629CN01	China	VALVED CONDUIT	Granted	201580055420.2	2014-10-13	2015-10-13	106794065	2017-05-31	201580055420.2	2019-11-05
PMP/629CR01	Costa Rica	VALVED CONDUIT	Allowed	2017-000201	2015-10-13	2015-10-13				
PMP/629EP01	European Patent	VALVED CONDUIT	Published		2014-10-13	2015-10-13	3206630	2017-08-23	1240464	2018-05-25
PMP/629HK01	Hong Kong	VALVED CONDUIT	Abandoned	18100050.7	2014-10-13	2015-10-13	15787803.4	2018-05-25		
PMP/629JP01	Japan	VALVED CONDUIT	Granted	2017-538931	2014-10-13	2015-10-13	2017-538950	2017-12-14	6717837	2020-06-15
PMP/629JP02	Japan	VALVED CONDUIT	Abandoned	2020-024509	2014-10-13	2015-10-13	2020-096913	2020-06-25		
PMP/629JUS	United States of America	VALVED CONDUIT	Expired	62/063553	2014-10-13	2015-10-13				
PMP/629US02	United States of America	VALVED CONDUIT	Granted	14/881124	2014-10-13	2015-10-12	2016-0100939	2016-04-14	10507101	2019-12-17
PMP/629US03	United States of America	PROSTHETIC VALVED CONDUIT	Allowed	16/714055	2014-10-13	2019-12-13	2020-0113681	2020-04-16		
PMP/629US04	United States of America	PROSTHETIC VALVED CONDUIT	Patent Application	18115219	2014-10-13	2023-02-28				
PMP/629W001	Patent Cooperation Treaty	VALVED CONDUIT	Expired	2015-095348	2014-10-13	2015-10-13	2016/061113	2016-04-21		

PMP/632AU01	Australia	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2015364334	2014-12-18	2015-12-18			2015364334	2019-02-14
PMP/632AU02	Australia	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Abandoned	2019200712	2014-12-18	2015-12-18				
PMP/632AU03	Australia	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2020210253	2014-12-18	2015-12-18			2020210253	2022-05-12
PMP/632AU04	Australia	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Patent Application	2022202794	2014-12-18	2015-12-18				
PMP/632CA01	Canada	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2967866	2014-12-18	2015-12-18			2967866	2019-10-22
PMP/632CN01	China	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	20158006028.3	2014-12-18	2015-12-18	107106294	2017-08-29	20158006028.3	2019-02-19
PMP/632CN02	China	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	201910040212.5	2014-12-18	2015-12-18	109758256	2019-05-17	201910040212.5	2021-01-01
PMP/632CR01	Costa Rica	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2017-000313	2014-12-18	2015-12-18			4162	2021-12-18
PMP/632DE01	Germany (Federal Republic of)	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	15823105.0	2014-12-18	2015-12-18			60 2015 052 432.2	2020-05-06
PMP/632EP01	European Patent	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	15823105.0	2014-12-18	2015-12-18	3232989	2017-10-25	3232989	2020-05-06
PMP/632EP02	European Patent	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Published	20172817.7	2014-12-18	2015-12-18	3716510	2020-10-07		
PMP/632FR01	France	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	15823105.0	2014-12-18	2015-12-18			3232989	2020-05-06

P/M/632GB01	United Kingdom	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	15823105.0	2014-12-18	2015-12-18		3232989	2020-05-06
P/M/632HK01	Hong Kong	PROSTHETIC VALVES WITH NON-SEWN, MECHANICALLY COUPLED LEAFLETS	Abandoned	18103216.2	2014-12-18	2015-12-18	1244421		
P/M/632IE01	Ireland (Republic of)	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	15823105.0	2014-12-18	2015-12-18		3232989	2020-05-06
P/M/632IT01	Italy	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	15823105.0	2014-12-18	2015-12-18		3232989	2020-05-06
P/M/632JP01	Japan	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2017-532947	2014-12-18	2015-12-18	2017-538518	6616418	2019-11-15
P/M/632JP02	Japan	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	2018-228319	2014-12-18	2015-12-18	2019-069166	6608704	2020-12-11
P/M/632JP03	Japan	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Allowed	2020-203248	2014-12-18	2015-12-18	2021-037378		
P/M/632JP04	Japan	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Patent Application	Awaiting app. no.	2014-12-18	2015-12-18			
P/M/632US	United States of America	PROSTHETIC VALVES WITH NON-SEWN, MECHANICALLY COUPLED LEAFLETS	Expired	62/083930		2014-12-18			
P/M/632US02	United States of America	PROSTHETIC VALVED CONDUITS WITH MECHANICALLY COUPLED LEAFLETS	Granted	14/973515	2014-12-18	2015-12-17	2016-0175095	2016-06-23	2018-04-10
P/M/632US03	United States of America	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	14/973589	2014-12-18	2015-12-17	2016-0175096	2016-06-23	2018-01-02
P/M/632US04	United States of America	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Granted	15/629595	2015-12-17	2017-12-01	2018-0110619	2018-04-26	2020-05-19
P/M/632US05	United States of America	PROSTHETIC VALVED CONDUITS WITH MECHANICALLY COUPLED LEAFLETS	Granted	15/927370	2014-12-18	2018-03-21	2018-0206987	2018-07-26	
P/M/632US06	United States of America	PROSTHETIC VALVED CONDUITS WITH MECHANICALLY COUPLED LEAFLETS	Published	17/227205	2014-12-18	2021-04-09	2021-0228350	2021-07-29	
P/M/632WCO01	Patent Cooperation Treaty	PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS	Expired	2015/066865	2014-12-18	2015-12-18	2016/100913	2016-06-23	
end	end	end	end	end	end	end	end	end	end