

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6184479

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JENAVALVE TECHNOLOGY, INC.	05/27/2014
RECEIVING PARTY DATA		
Name:	JENAVALVE TECHNOLOGY GMBH	
Street Address:	GUERICKESTRASSE 25	
City:	MUNCHEN	
State/Country:	GERMANY	
Postal Code:	80805	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16919014
CORRESPONDENCE DATA		
Fax Number:	(858)252-6503	
<i>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.</i>		
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ATTORNEY DOCKET NUMBER:	JVT-93470-0288-P019-US9	
NAME OF SUBMITTER:	LILLIY MONTANO FOR CHRIS BOLTEN	
SIGNATURE:	/LILLIY MONTANO/	
DATE SIGNED:	07/02/2020	
Total Attachments: 13		
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5563139

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JENAVALVE TECHNOLOGY, INC.	05/27/2014
RECEIVING PARTY DATA	
Name:	JENAVALVE TECHNOLOGY GMBH
Street Address:	GUERICKESTRASSE 25
City:	MUNCHEN
State/Country:	GERMANY
Postal Code:	80805
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	16199763
Patent Number:	9987133
Patent Number:	10154901
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
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ATTORNEY DOCKET NUMBER:	1017.0002-02000
NAME OF SUBMITTER:	ASHLEY N. NICHOLLS
SIGNATURE:	/Ashley N. Nicholls/
DATE SIGNED:	06/10/2019
Total Attachments: 11	
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CONFIRMATION OF PATENT ASSIGNMENT

WHEREAS, **JenaValve Technology, Inc.**, a corporation of Delaware (hereinafter known as "Assignor"), owned all right, title, and interest in and to the patents and patent applications listed on **Schedule A**, and jointly owned all right, title, and interest in and to the patents and patent applications listed on **Schedule B**, including any other counterparts of the those listed in Schedules A and B worldwide and any applications and patents claiming priority to any of those listed in Schedules A and B, and any applications and patents from which those listed in Schedules A and B may claim priority to, as well as any and all related continuations, continuations-in-part, divisions, renewals, reissues, reexaminations, extensions, and patents of addition and patents of importation ("Assigned Patents");

WHEREAS, **JenaValve Technology GmbH**, a corporation of Germany, (hereinafter known as "Assignee"), has acquired Assignor's entire right, title, and interest in the Assigned Patents as described in Patent purchase agreement executed December 31, 2013, and Patent and Trademark purchase agreement executed April 14, 2014;

NOW, THEREFORE, BE IT KNOWN, Assignor, for good and valuable consideration, receipt of which is hereby acknowledged, has sold, assigned, and transferred, unto said Assignee its entire right, title, and interest in and to all said Assigned Patents and any and all inventions and discoveries disclosed in said Assigned Patents;

AND, Assignor grants to Assignee the full right to sue and recover all profits and damages recoverable for past, present, and future infringement of the Assigned Patents, including the right to sue for injunctive relief;

AND, Assignor further covenants that Assignor has the full right to convey the interest assigned by this Assignment, Assignor will take all action and execute all documents necessary to perfect the interest assigned hereby, and Assignor has not executed and will not execute any agreement in conflict with this Assignment;

AND, Assignor further covenants and agrees that Assignor will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to Assignor and its officers and employees respecting the Assigned Patents and the inventions and discoveries disclosed in said Assigned Patents, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to the Assigned Patents in Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for the inventions in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors and assigns.

AND Assignor hereby authorizes and requests all government patent offices, including the United States Patent & Trademark Office, to issue the Assigned Patents in accordance with this Assignment;

Signature Page to Follow

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 27 day
of May, 2014.

JENAVALVE TECHNOLOGY, INC.

By: [Signature]

Name: Stephan Wehselau

Title: Chief Financial Officer

BE IT REMEMBERED, that on this 27 day of May, 2014, before me,
personally appeared Stephan Wehselau who I am satisfied is the person named in
and who executed the foregoing instrument in my presence, and I having first made known to
him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as
his voluntary act and deed for the uses and purposes therein expressed.

Witness Signature: [Signature]

Name (print): William S. Franking

Address: Am Vogelsberg 10a
85609 Aschheim
GERMANY

[Signature page to Confirmation of Patent Assignment]

SCHEDULE A
TO CONFIRMATION OF PATENT ASSIGNMENT

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
P003	---	Anchoring System for Implantable Heart Valve Prosthesis	PCT/DE2001/00836	---	Patent Cooperation Treaty	Expired
	127-71313	Anchoring System for Implantable Heart Valve Prosthesis	10/204,918	---	United States	Abandoned
	10423-0010-00000	Anchoring System for Implantable Heart Valve Prosthesis	11/515,589	7,896,913	United States	Patented
P004	---	Device for Fastening and Anchoring Cardiac Valve Prosthesis	PCT/DE2001/000837	---	Patent Cooperation Treaty	Expired
	127-71301	Device for Fastening and Anchoring Cardiac Valve Prosthesis	10/204,990	7,198,646	United States	Patented
	10423-0016-00000	Device for Fastening and Anchoring Cardiac Valve Prosthesis	12/213,991	---	United States	Pending
P006	---	Catheter for the Transvascular Implantation of Prosthetic Heart Valves	PCT/DE2006/000056	---	Patent Cooperation Treaty	Expired
	10423-0008-00000	Catheter for the Transvascular Implantation of Prosthetic Heart Valves	11/795,590	8,679,174	United States	Patented
	10423-0008-01000	Catheter for the Transvascular Implantation of Prosthetic Heart Valves	14/168,976	---	United States	Pending
P007	PERCAR.005PR	Stent with Blood Vessel Graft	60/099,719	---	United States	Expired
	07883.0011	Left Ventricular Conduit with Blood Vessel Graft	09/369,061	6,254,564	United States	Patented

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
	7883-011-01	Left Ventricular Conduit with Blood Vessel Graft	09/828,794	6,881,199	United States	Patented
	10423-0001-02000	Methods and Conduits for Flowing Blood from a Heart Chamber to a Blood Vessel	10/928,190	7,704,222	United States	Patented
	10423-0001-03000	Methods and Conduits for Flowing Blood from a Heart Chamber to a Blood Vessel	12/149,901	7,736,327	United States	Patented
	10423-0001-04000	Methods and Conduits for Flowing Blood from a Heart Chamber to a Blood Vessel	12/771,546	8,216,174	United States	Patented
	10423-0001-05000	Methods and Conduits for Flowing Blood from a Heart Chamber to a Blood Vessel	13/494,589	8,597,226	United States	Patented
	10423-0001-06000	Methods and Conduits for Flowing Blood from a Heart Chamber to a Blood Vessel	14/068,980	---	United States	Pending
P009	---	Device for Implanting and Fastening Heart Valve Prostheses	PCT/EP2006/010023	---	Patent Cooperation Treaty	Expired
	10423-0004-00000	Device for the Implantation and Fixation of Prosthetic Valves	11/589,570	8,092,521	United States	Patented
	10423-0004-01000	Device for the Implantation and Fixation of Prosthetic Valves	13/315,913	8,551,160	United States	Patented
	10423-0004-02000	Device for the Implantation and Fixation of Prosthetic Valves	14/020,497	---	United States	Pending

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
	10423-0004-03000	Device for the Implantation and Fixation of Prosthetic Valves	14/087,316	---	United States	Pending
P010	---	Self-Expandable Medical Instrument for Treatment of Defects on a Patient's Heart	PCT/EP2006/010519	---	Patent Cooperation Treaty	Expired
	10423-0005-00000	Self-Expandable Medical Instrument for Treatment of Defects on a Patient's Heart	11/592,369	8,062,355	United States	Patented
	10423-0011	Self-Expandable Medical Instrument for Treatment of Defects on a Patient's Heart	12/084,421	---	United States	Abandoned
P011	10423-0006-00000	Medical Device for Treating a Heart Valve Insufficiency	11/785,072	7,896,915	United States	Patented
	10423-0006-01000	Medical Device for Treating a Heart Valve Insufficiency	12/572,340	7,914,575	United States	Patented
	10423-0006-02000	Medical Device for Treating a Heart Valve Insufficiency	13/030,708	8,685,085	United States	Patented
P012	10423-0006-03000	Medical Device for Treating a Heart Valve Insufficiency	14/174,441	---	United States	Pending
	---	Handle for Manipulating a Catheter Tip, Catheter System and Medical Insertion System for Inserting a Self-Expandable Heart Valve Stent	PCT/EP2008/003803	---	Patent Cooperation Treaty	Expired
	10423-0021-00000	Methods of Implanting an Endoprosthesis	12/599,934	---	United States	Pending

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
P013	---	Medical Device for Treating a Heart Valve Insufficiency or Stenosis	PCT/EP2007/061117	---	Patent Cooperation Treaty	Expired
	10423-0007-00000	Medical Device for Treating a Heart Valve Insufficiency or Stenosis	11/812,095	---	United States	Pending
	10423-0007-01000	Medical Device for Treating a Heart Valve Insufficiency or Stenosis	12/496,989	---	United States	Pending
P014	---	Medical Apparatus for the Therapeutic Treatment of an Insufficient Cardiac Valve	PCT/EP2009/050762	---	Patent Cooperation Treaty	Expired
	10423-0037-00000	Medical Apparatus for the Therapeutic Treatment of an Insufficient Cardiac Valve	12/863,935	---	United States	Pending
	10423-0037-01000	Medical Apparatus for the Therapeutic Treatment of an Insufficient Cardiac Valve	14/212,364	---	United States	Pending
P015	---	Stent for the Positioning and Anchoring of a Valvular Prosthesis in an Implantation Site in the Heart of a Patient	PCT/EP2009/052230	---	Patent Cooperation Treaty	Expired
	10423-0009-00000	Stent for the Positioning and Anchoring of a Valvular Prosthesis	12/071,814	---	United States	Pending
	10423-0023-00000	Stent for the Positioning and Anchoring of a Valvular Prosthesis in an Implantation Site in the Heart of a Patient	12/285,544	---	United States	Pending

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
P016	10423-0025-00000	Stent for the Positioning and Anchoring of a Valvular Prosthesis in an Implantation Site in the Heart of a Patient	12/392,467	8,317,858	United States	Patented
	10423-0025-01000	Stent for the Positioning and Anchoring of a Valvular Prosthesis in an Implantation Site in the Heart of a Patient	13/624,148	---	United States	Pending
	---	Device for Compressing a Stent and a System as Well as a Method for Loading a Stent into a Medical Delivery System	PCT/EP2009/055958	---	Patent Cooperation Treaty	Expired
	---	Device for Compressing a Stent as Well as System and Method for Loading a Stent into a Medical Delivery System	PCT/EP2010/056558	---	Patent Cooperation Treaty	Expired
P019	10423-6001-00000	Device for Compressing a Stent and a System as Well as a Method for Loading a Stent into a Medical Delivery System	61/178,701	---	United States	Expired
	10423-0031-01000	Device for Compressing a Stent and a System as Well as a Method for Loading a Stent into a Medical Delivery System	12/778,585	---	United States	Abandoned
	10423-0031-00000	Device for Compressing a Stent	12/778,625	8,468,667	United States	Patented
P019	---	Stent for the Positioning and Anchoring of a Valvular Prosthesis in an Implantation Site in the Heart of a Patient	PCT/EP2010/052429	---	Patent Cooperation Treaty	Expired

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
	10423-0029-00000	Stent for the Positioning and Anchoring of a Valvular Prosthesis in an Implantation Site in the Heart of a Patient	12/713,058	8,398,704	United States	Patented
	10423-0038-00000	Stent for the Positioning and Anchoring of a Valvular Prosthesis	13/033,023	8,465,540	United States	Patented
	10423-0038-01000	Stent for the Positioning and Anchoring of a Valvular Prosthesis in an Implantation Site in the Heart of a Patient	13/896,905	---	United States	Pending (Allowed)
P020	---	Catheter System for Introducing an Expandable Heart Valve Stent into the Body of a Patient, Insertion System with a Catheter System and Medical Device for Treatment of a Heart Valve Defect	PCT/EP2011/002524	---	Patent Cooperation Treaty	Expired
	10423-0033-00000	Catheter System for Introducing an Expandable Heart Valve Stent into the Body of a Patient, Insertion System with a Catheter System and Medical Device for Treatment of a Heart Valve Defect	12/801,090	---	United States	Pending
	10423-0033-01000	Catheter System for Introducing an Expandable Heart Valve Stent into the Body of a Patient, Insertion System with a Catheter System and Medical Device for Treatment of a Heart Valve Defect	13/698,910	---	United States	Pending

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
P021	---	Prosthetic Heart Valve and Transcatheter Delivered Endoprosthesis Comprising a Prosthetic Heart Valve and a Stent	PCT/EP2011/058506	---	Patent Cooperation Treaty	Expired
	10423-6002-00000	Prosthetic Heart Valve, Method for Manufacturing of a Prosthetic Heart Valve, and Transcatheter Delivered Endoprosthesis Comprising a Prosthetic Heart Valve and a Stent	61/348,036	---	United States	Expired
	10423-0034-00000	Prosthetic Heart Valve and Transcatheter Delivered Endoprosthesis Comprising a Prosthetic Heart Valve and a Stent	13/114,582	---	United States	Pending
P022	---	System and Method for Loading a Stent into a Medical Delivery System	PCT/EP2012/067617	---	Patent Cooperation Treaty	Expired
	10423-0040-00000	System and Method for Loading a Stent into a Medical Delivery System	14/346,143	---	United States	Pending
P024	---	Catheter System for Introducing an Expandable Heart Valve Stent into the Body of a Patient, Insertion System with a Catheter System and Medical Device for Treatment of a Heart Valve Defect	PCT/EP2012/067714	---	Patent Cooperation Treaty	Expired
	10423-0041-00000	Catheter System for Introducing an Expandable Heart Valve Stent into the Body of a Patient, Insertion System with a Catheter System and Medical Device for Treatment of a Heart Valve Defect	14/352,117	---	United States	Pending

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
P026	---	Apparatus for Providing Access to a Viscus, System for Performing Direct Cardiac Catheterization and Method for Minimally-Invasive Surgery	PCT/EP2013/057427	---	Patent Cooperation Treaty	Pending
	10423-6004-00000	Apparatus for Providing Access to a Viscus, System for Performing Direct Cardiac Catheterization and Method for Minimally-Invasive Surgery	61/661,385	---	United States	Expired
P027	---	Catheter Delivery System for Introducing an Expandable Heart Valve Prosthesis and Medical Device for the Treatment of a Heart Valve Defect	PCT/EP2013/057431	---	Patent Cooperation Treaty	Pending
	10423-6003-00000	Catheter Delivery System for Introducing an Expandable Heart Valve Prosthesis and Medical Device for the Treatment of a Heart Valve Defect	61/647,741	---	United States	Expired
P028	---		13173217.4	---	European Patent Office	Pending
P029	---		13182346.0		European Patent Office	Pending
	---		13176075.3		European Patent Office	Pending
	---		14152775.4		European Patent Office	Pending

SCHEDULE B
TO CONFIRMATION OF PATENT ASSIGNMENT

Patent Family	Attorney Docket No.	Title	Application No.	Patent No.	Jurisdiction	Status
P008	318042US	Implant Implantation Unit and Procedure for Implanting the Unit	10/210,085	----	United States	Abandoned
	1017.0001-01	Implant Implantation Unit	12/138,983	8,216,301	United States	Patented
	078-001	Implant Implantation Unit and Procedure for Implanting the Unit	12/139,074	8,303,653	United States	Patented
			12/209,395	----	United States	Abandoned
	1017.0001-04	Implant Implantation Unit and Procedure for Implanting the Unit	12/407,342	8,206,437	United States	Patented
	1017.0001-05	Methods of Treating Valves	13/279,800	8,585,756	United States	Patented
	1017.0001-06	Methods of Implanting an Implantation Device	13/286,459	8,579,965	United States	Patented
P017	1017.0001-07	Methods of Implanting a Unit in a Tubular Element with a Wall	14/019,071	----	United States	Pending
	----	Stent-Valves for Valve Replacement and Associated Methods and Systems for Surgery	PCT/EP2007/007413	----	Patent Cooperation Treaty	Expired
	10423-0027-00000	Stent-Valves for Valve Replacement and Associated Methods and Systems for Surgery	12/401,276	----	United States	Pending