

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM365292

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
WELLS FARGO BANK, NATIONAL ASSOCIATION		12/08/2015	NATIONAL ASSOCIATION: UNITED STATES
RECEIVING PARTY DATA			
Name:	THE SPECTRANETICS CORPORATION		
Street Address:	9965 Federal Drive		
City:	Colorado Springs		
State/Country:	COLORADO		
Postal Code:	80921		
Entity Type:	CORPORATION: DELAWARE		
PROPERTY NUMBERS Total: 15			
Property Type	Number	Word Mark	
Registration Number:	3832560	TORQMAX	
Registration Number:	3782516	TURBO-TANDEM	
Registration Number:	3768583	VISISHEATH	
Registration Number:	3741047	CROSS-PILOT	
Registration Number:	3737800	SPNC	
Registration Number:	3562200	LLD EZ	
Registration Number:	3367148	TURBO ELITE	
Registration Number:	3354066	TURBO-BOOSTER	
Registration Number:	3072724	SLS	
Registration Number:	2928706	QUICK-CROSS	
Registration Number:	2922727	LLD	
Registration Number:	1823660	ELCA	
Registration Number:	1741106	SPECTRANETICS	
Registration Number:	1723546	CVX-300	
Registration Number:	1717853	SPECTRANETICS	
CORRESPONDENCE DATA			
Fax Number:	7036106200		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>			

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TRADEMARK

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703 610 6100
Email: boxip@hoganlovells.com
Correspondent Name: Valerie Brennan, Hogan Lovells US LLP
Address Line 1: 7930 Jones Branch Drive, 9th Floor
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Address Line 4: McLean, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	036639.20 (SPECTRA. 4/11)
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NAME OF SUBMITTER:	Valerie Brennan
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SIGNATURE:	/vb/
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DATE SIGNED:	12/10/2015
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Total Attachments: 11

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**TERMINATION AND RELEASE
OF
PATENT AND TRADEMARK SECURITY AGREEMENT**

THIS TERMINATION AND RELEASE OF PATENT AND TRADEMARK SECURITY AGREEMENT dated as of December 8, 2015, by WELLS FARGO BANK, NATIONAL ASSOCIATION (the "Secured Party").

WHEREAS, The Spectranetics Corporation, a Delaware corporation (the "Grantor") and the Secured Party entered into a Patent and Trademark Security Agreement, dated as of February 25, 2011 (the "Security Agreement") which Security Agreement was recorded with the United States Patent and Trademark Office. Patents were recorded on April 8, 2011, at Reel 026100, Frame 0647 and Trademarks were recorded on April 8, 2011, at Reel 004518, Frame 0514 for the purpose of collateral security for all indebtedness and obligations of the Grantor to the Secured Party arising under a certain Credit Agreement (as defined in the Security Agreement);

WHEREAS, pursuant to the Credit Agreement and the Security Agreement, the Grantor pledged and assigned to the Secured Party, and granted the Secured Party a security interest with power of sale in, the Patents (as defined in the Security Agreement), including, without limitation, the patents listed on Exhibit A hereto, and the Trademarks (as defined in the Security Agreement) including, without limitation, the marks listed on Exhibit B hereto. The Patents and the Trademarks are referred to herein collectively as the "Intellectual Property"; and

WHEREAS, the Secured Party has agreed to terminate and release its security interest in the Intellectual Property as herein provided:

NOW, THEREFORE, for valuable consideration the Secured Party hereby terminates and releases its security interest in the Intellectual Property, including, without limitation, the Patents listed on Exhibit A hereto and the Trademarks listed on Exhibit B hereto, and the Secured Party hereby assigns and transfers to the Grantor, without representation, warranty or recourse, all of the Secured Party's right, title and interest in and to such Intellectual Property, effective as of the date set forth above.

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EXHIBIT A

UNITED STATES ISSUED PATENTS

<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>
APPARATUS AND METHODS FOR DIRECTIONAL DELIVERY OF LASER ENERGY	7,846,153	December 7, 2010
THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE	7,666,161	February 23, 2010
ENDOCARDIAL LEAD CUTTING APPARATUS	7,651,503	January 26, 2010
APPARATUS AND METHODS FOR DIRECTIONAL DELIVERY OF LASER ENERGY	7,572,254	August 11, 2009
RADIO FREQUENCY GUIDE WIRE ASSEMBLY WITH OPTICAL COHERENCE REFLECTOMETRY GUIDANCE	7,563,262	July 21, 2009
LEAD LOCKING DEVICE AND METHOD	7,499,756	March 3, 2009
SHAPEABLE INTRALUMINAL DEVICE AND METHOD THEREFOR	7,303,533	December 4, 2007
EXPANDABLE LASER CATHETER	7,288,087	October 30, 2007
PROXIMAL COUPLER FOR OPTICAL FIBERS	7,050,692	May 23, 2006
METHOD FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY	6,970,732	November 29, 2005
DEFLECTING CATHETER	6,951,554	October 4, 2005
RADIO FREQUENCY GUIDE WIRE ASSEMBLY WITH OPTICAL COHERENCE REFLECTOMETRY GUIDANCE	6,852,109	February 8, 2005
METHOD AND APPARATUS FOR DETERMINING NEOVASCULAR FLOW THROUGH TISSUE IN A VESSEL	6,842,639	January 11, 2005

<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>
LEAD LOCKING DEVICE AND METHOD	6,772,014	August 3, 2004
CATHETER HANDLE FOR CONTROLLING THE ADVANCEMENT OF A GUIDE WIRE	6,752,800	June 22, 2004
SYSTEMS AND METHODS FOR STEERING A CATHETER THROUGH BODY TISSUE	6,663,621	December 16, 2003
EXPANDABLE LASER CATHETER	6,485,485	November 26, 2002
SYSTEMS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY	6,463,313	October 8, 2002
CATHETER FOR CONTROLLING THE ADVANCEMENT OF A GUIDE WIRE	6,394,976	May 28, 2002
LEAD LOCKING DEVICE AND METHOD	6,324,434	November 27, 2001
SYSTEM AND METHOD FOR CONTROLLING TISSUE ABLATION	6,228,076	May 8, 2001
GUIDE WIRE ASSEMBLY	6,193,676	February 27, 2001
LEAD LOCKING DEVICE AND METHOD	6,167,315	December 26, 2000
EXPANDABLE LASER CATHETER	6,106,515	August 22, 2000
SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY	6,063,093	May 16, 2000
SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY	6,048,349	April 11, 2000
SYSTEMS AND METHODS FOR STEERING A CATHETER THROUGH BODY TISSUE	6,013,072	January 11, 2000
PHOTOTHERAPY DEVICE AND METHOD	5,976,124	November 2, 1999
ASSEMBLIES AND METHODS FOR ADVANCING A GUIDE WIRE THROUGH BODY TISSUE	5,951,482	September 14, 1999
CATHETER FOR LASER TREATMENT OF ATHEROSCLEROTIC PLAQUE AND OTHER TISSUE ABNORMALITIES	5,916,210	June 29, 1999

<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>
PHOTOACOUSTIC DRUG DELIVERY	5,836,940	November 17, 1998
METHOD FOR CONTEMPORANEOUS APPLICATION OF LASER ENERGY AND LOCALIZED PHARMACOLOGIC THERAPY	5,817,144	October 6, 1998
FLUID CORE LASER ANGIOSCOPE	5,573,531	November 12, 1996
METHOD FOR CONTEMPORANEOUS APPLICATION OF LASER ENERGY AND LOCALIZED PHARMACOLOGIC THERAPY	5,571,151	November 5, 1996
CATHETER FOR DELIVERY OF ELECTRIC ENERGY AND A PROCESS FOR MANUFACTURING SAME	5,836,946	November 17, 1998
CATHETER FOR DELIVERY OF ELECTRIC ENERGY AND A PROCESS FOR MANUFACTURING SAME	5,824,026	October 20, 1998
FIBER OPTIC GUIDE WIRE AND SUPPORT CATHETER THEREFOR	5,643,251	July 1, 1997
FIBER OPTIC GUIDE WIRE AND SUPPORT CATHETER THEREFOR	5,514,128	May 7, 1996
MEDICAL CATHETER USING OPTICAL FIBERS THAT TRANSMIT BOTH LASER ENERGY AND ULTRASONIC IMAGING SIGNALS	5,486,170	January 23, 1996
TISSUE ABLATING DEVICE HAVING A DEFLECTABLE ABLATION AREA AND METHOD OF USING SAME	5,484,433	January 16, 1996
APPARATUS AND METHOD FOR ASPIRATING INTRAVASCULAR, PULMONARY AND CARDIAC OBSTRUCTIONS	5,476,450	December 19, 1995
GUIDANCE AND DELIVERY SYSTEM FOR HIGH-ENERGY PULSED LASER LIGHT	5,470,330	November 28, 1995
FIBER OPTIC CATHETER WITH SHORTENED	5,456,680	October 10, 1995

<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>
GUIDE WIRE LUMEN		
PREIONIZER FOR LASER ASSEMBLY	5,438,587	August 1, 1995
RADIOPAQUE TIP MARKER FOR ALIGNMENT OF A CATHETER WITHIN A BODY	5,429,617	July 4, 1995
FIBER OPTIC CATHETER WITH TWISTABLE TIP	5,429,604	July 4, 1995
OPTICAL CATHETER WITH STRANDED FIBERS	5,415,653	May 16, 1995
HALOGEN COMPATIBLE LASER HEAD	5,412,682	May 2, 1995
METHOD AND APPARATUS FOR LINEARLY SCANNING ENERGY OVER AN OPTICAL FIBER ARRAY AND COUPLER FOR COUPLING ENERGY TO THE OPTICAL FIBER ARRAY	5,400,428	March 21, 1995
EXPANDABLE FIBEROPTIC CATHETER AND METHOD OF INTRALUMINAL LASER TRANSMISSION	5,395,361	March 7, 1995
APPARATUS AND METHOD FOR OPTICALLY CONTROLLING THE OUTPUT ENERGY OF A PULSED LASER SOURCE	5,383,199	January 17, 1995
TURN LIMITER FOR A CATHETER WITH TWISTABLE TIP	5,352,197	October 4, 1994
MEDICAL CATHETER USING OPTICAL FIBERS THAT TRANSMIT BOTH LASER ENERGY AND ULTRASONIC IMAGING SIGNALS	5,350,377	September 27, 1994
POLARIZING DEVICE WITH OPTICALLY CONTACTED THIN FILM INTERFACE FOR HIGH POWER DENSITY ULTRAVIOLET LIGHT	5,339,441	August 16, 1994

<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>
MOUNT FOR OPTICAL FIBERS	5,321,783	June 14, 1994
APPARATUS AND METHOD FOR SOFT FOCUSING ENERGY INTO AN OPTICAL FIBER ARRAY	5,315,614	May 24, 1994
FIBEROPTIC COUPLER	5,267,993	December 7, 1993
TWO-PIECE TIP FOR FIBER OPTIC CATHETER	5,263,952	November 23, 1993
OPTICAL FIBER CATHETER WITH SPACED OPTICAL FIBER	5,250,045	October 5, 1993

UNITED STATES PATENT APPLICATIONS AND ADDITIONS

<u>Title</u>	<u>Serial Number</u>	<u>Filing Date</u>
OFFSET CATHETER	12/333,427	December 12, 2008
ECCENTRIC BALLOON LASER CATHETER	12/337,190	December 17, 2008
THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE	12/705,332	February 12, 2010
BIASING LASER CATHETER: MONORAIL DESIGN	12/265,441	November 5, 2008
TAPERED LIQUID LIGHT GUIDE	12/176,886	July 21, 2008
LASER CATHETER CALIBRATOR	11/946,376	November 28, 2007
LIQUID LIGHT-GUIDE CATHETER WITH OPTICALLY DIVERGING TIP	12/254,254	October 20, 2008
LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT	12/296,270	April 4, 2007

<u>Title</u>	<u>Serial Number</u>	<u>Filing Date</u>
TUNABLE NANOPARTICLE TAGS TO ENHANCE TISSUE RECOGNITION	11/966,214	December 28, 2007
RAPID EXCHANGE BIAS LASER CATHETER DESIGN	12/337,232	December 17, 2008
LOW-LOSS POLARIZED LIGHT DIVERSION	11/952,223	December 7, 2007
INTRA-VASCULAR DEVICE WITH PRESSURE DETECTION CAPABILITIES USING PRESSURE SENSITIVE MATERIAL	11/937,583	November 9, 2007
LIQUID LIGHT GUIDE CATHETER HAVING BIOCOMPATIBLE LIQUID LIGHT GUIDE MEDIUM	11/923,488	October 24, 2007
MULTI-PORT LIGHT DELIVERY CATHETER AND METHODS FOR THE USE THEREOF	11/616,214	December 26, 2006
RETRACTABLE SEPARATING SYSTEMS AND METHODS	11/615,006	December 22, 2006
TISSUE SEPARATING SYSTEMS AND METHODS	11/615,005	December 22, 2006
THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE	11/871,908	October 12, 2007
SHAPEABLE INTRALUMINAL DEVICE AND METHOD THEREFOR	11/949,987	December 4, 2007
LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT	11/696,618	April 4, 2007
THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE	10/832,830	April 27, 2004
LEAD LOCKING DEVICE AND METHOD	10/877,190	June 25, 2004
ENDOCARDIAL LEAD CUTTING APPARATUS	11/187,553	7/22/2005
ENDOCARDIAL LEAD REMOVING APPARATUS	11/190,550	2/27/2005
ENDOCARDIAL LEAD REMOVING	11/484,825	7/11/2006


<u>Title</u>	<u>Serial Number</u>	<u>Filing Date</u>
APPARATUS		
TUNABLE NANOPARTICLE TAGS TO ENHANCE TISSUE RECOGNITION	11/966,214	12/28/2007
EXPANDABLE LASER CATHETER	11/888,027	7/30/2007
FORCE ASSESSMENT DEVICE AND METHOD FOR LEAD EXTRACTION	12/392,944	2/25/2009
SNARING SYSTEMS AND METHODS	12/878,648	9/9/2010
CARDIOVASCULAR IMAGING SYSTEM	12/649,759	12/30/2009

EXHIBIT B

**UNITED STATES ISSUED TRADEMARKS, SERVICE MARKS
AND COLLECTIVE MEMBERSHIP MARKS**

REGISTRATIONS

<u>Mark</u>	<u>Registration Number</u>	<u>Registration Date</u>
TORQMAX	3,832,560	August 10, 2010
TURBO-TANDEM	3,782,516	April 27, 2010
VISISHEATH	3,768,583	March 30, 2010
CROSS-PILOT	3,741,047	January 19, 2010
SPNC	3,737,800	January 12, 2010
LLD EZ	3,562,200	January 13, 2009
ThromCat	3,386,550	February 19, 2008
TURBO ELITE	3,367,148	January 8, 2008
TURBO-BOOSTER	3,354,066	December 11, 2007
CLIRCROSS	3,140,487	September 5, 2006
SLS	3,072,724	March 28, 2006
CLEARs	3,037,530	January 3, 2006
QUICK-CROSS	2,928,706	March 1, 2005
LLD	2,922,727	February 1, 2005
CLIRPATH	2,890,374	September 28, 2004
SAFE-CROSS	2,654,938	November 26, 2002
ELCA	1,823,660	February 22, 1994
EXTREME	1,741,114	December 22, 1992
SPECTRANETICS	1,741,106	December 22, 1992

<u>Mark</u>	<u>Registration Number</u>	<u>Registration Date</u>
SPECTRAGLIDE	1,732,806	November 17, 1992
CVX-300	1,723,546	October 13, 1992
	1,717,855	September 22, 1992
<u><i>Spectranetics</i></u>	1,717,853	September 22, 1992

APPLICATIONS

NONE

COLLECTIVE MEMBERSHIP MARKS

NONE

UNREGISTERED MARKS

NONE