

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM365339

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
WELLS FARGO BANK, NATIONAL ASSOCIATION		12/08/2015	NATIONAL ASSOCIATION: UNITED STATES
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	THE SPECTRANETICS CORPORATION		
<b>Street Address:</b>	9965 Federal Drive		
<b>City:</b>	Colorado Springs		
<b>State/Country:</b>	COLORADO		
<b>Postal Code:</b>	80921		
<b>Entity Type:</b>	CORPORATION: DELAWARE		
<b>PROPERTY NUMBERS Total: 19</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4638019		
<b>Registration Number:</b>	4243271	GLIDELIGHT	
<b>Registration Number:</b>	4522960	QUICK-ACCESS	
<b>Registration Number:</b>	4548605	QUICK-CROSS CAPTURE	
<b>Registration Number:</b>	4673064	SIGHTRAIL	
<b>Registration Number:</b>	4708930	SPECTRANETICS	
<b>Registration Number:</b>	4708931	SPECTRANETICS	
<b>Registration Number:</b>	4673065	TIGHTRAIL	
<b>Registration Number:</b>	4729002	TIGHTRAIL MINI	
<b>Registration Number:</b>	4712538	TURBO-BOOSTER	
<b>Serial Number:</b>	85687837	ALWAYS REACHING FARTHER	
<b>Serial Number:</b>	85687831		
<b>Serial Number:</b>	86541303	NETICS MEDICAL	
<b>Serial Number:</b>	85687806	SPECTRANETICS	
<b>Serial Number:</b>	86414400	SPNC	
<b>Serial Number:</b>	86441590	TURBO ELITE BTK	
<b>Serial Number:</b>	86369316	TURBO-TAPE	
<b>Serial Number:</b>	86278131	ENDURACOAT	
<b>Serial Number:</b>	85958731	STELLAREX	
<b>TRADEMARK</b>			

OP \$490.00 4638019

**CORRESPONDENCE DATA****Fax Number:** 7036106200*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:** 703 610 6100**Email:** boxip@hoganlovells.com**Correspondent Name:** Valerie Brennan, Hogan Lovells US LLP**Address Line 1:** 7930 Jones Branch Drive, 9th Floor**Address Line 2:** Attn: Box Intellectual Property**Address Line 4:** McLean, VIRGINIA 22102

<b>ATTORNEY DOCKET NUMBER:</b>	036639.20 (SPECTRA. 7/15)
<b>NAME OF SUBMITTER:</b>	Valerie Brennan
<b>SIGNATURE:</b>	/vb/
<b>DATE SIGNED:</b>	12/10/2015

**Total Attachments: 13**

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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 June 26, 2015 (the "Security Agreement") which Security Agreement was recorded with the United States Patent and Trademark Office. Patents were recorded on July 2, 2015, at Reel 036055, Frame 0156 and Trademarks were recorded on July 2, 2015, at Reel 5568, Frame 0139 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.

*[Remainder of page intentionally left blank.]*



**EXHIBIT A****UNITED STATES ISSUED PATENTS**

Patent Description	Registration Number	Registration Date
REENTRY CATHETER AND METHOD THEREOF	8,956,376	2/17/2015
REENTRY CATHETER AND METHOD THEREOF	8,998,936	4/7/2015
EXPANDABLE LASER CATHETER	8,465,480	6/18/2013
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	8,114,429	2/14/2012
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	8,128,951	3/6/2012
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	8,257,722	9/4/2012
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	8,491,925	7/23/2013
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	8,563,023	10/22/2013
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	8,673,332	3/18/2014

LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	8,734,825	5/27/2014
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	9,034,362	5/19/2015

**UNITED STATES PATENT APPLICATIONS AND ADDITIONS**

Patent Application	Application/Serial Number	Application/Filing Date
DILATOR SHEATH SET	14/195,692	3/3/2014
SHEATH	29/483,813	3/3/2014
SHEATH SET	29/483,815	3/3/2014
SYSTEM AND METHOD OF ABLATIVE CUTTING AND PULSED VACUUM ASPIRATION	13/800,651	3/13/2013
ALARM FOR LEAD INSULATION ABNORMALITY	13/799,894	3/13/2013
RETRACTABLE BLADE FOR LEAD REMOVAL DEVICE	13/834,405	3/15/2013
LASER CATHETER WITH HELICAL INTERNAL LUMEN	13/800,675	3/13/2013
ASSISTED CUTTING BALLOON	13/800,214	3/13/2013
DEVICE AND METHOD OF ABLATIVE CUTTING WITH HELICAL TIP	13/800,700	3/13/2013
TISSUE SLITTING METHOD AND SYSTEMS	13/828,231	3/14/2013

Patent Application	Application/Serial Number	Application/Filing Date
WIRE CENTERING SHEATH AND METHOD	13/798,985	3/13/2013
EXPANDABLE MEMBER FOR PERFORATION OCCLUSION	13/801,659	3/13/2013
INTELLIGENT CATHETER	13/804,812	3/14/2013
STABILIZATION DEVICE ASSISTED LEAD TIP REMOVAL	13/801,267	3/13/2013
ANGULAR OPTICAL FIBER CATHETER	13/800,864	3/13/2013
CATHETER MOVEMENT CONTROL	13/799,664	3/13/2013
LASER ABLATION CATHETER	13/800,728	3/13/2013
SMART MULTIPLEXED MEDICAL LASER SYSTEM	13/804,923	3/14/2013
THREADED LEAD EXTRACTION DEVICE	13/828,491	3/14/2013
LEAD REMOVAL SLEEVE	13/828,638	3/14/2013
EXPANDABLE LEAD JACKET	13/828,536	3/14/2013
MATERIAL CAPTURING GUIDEWIRE	13/801,149	3/13/2013
EXPANDABLE LASER CATHETER	13/898,093	5/20/2013
TISSUE SLITTING METHODS AND SYSTEMS	13/828,310	3/14/2013
TISSUE SLITTING METHODS AND SYSTEMS	13/828,383	3/14/2013
TISSUE SLITTING METHODS AND SYSTEMS	13/828,441	3/14/2013
CONTROLLER TO SELECT OPTICAL CHANNEL PARAMETERS IN A CATHETER	13/826,053	3/14/2013

Patent Application	Application/Serial Number	Application/Filing Date
NEEDLE AND GUIDEWIRE HOLDER	13/390,143	12/12/2011
DEVICE AND METHOD FOR CAPTURING GUIDEWIRES	13/390,146	12/12/2011
HYPOTUBE BASED SUPPORT CATHETER	13/390,140	12/12/2011
LASER CATHETER AND METHOD OF PERFORMING LASER ASSISTED THROMBOLYSIS	61/873,265	9/3/2013
ECCENTRIC BALLOON LASER CATHETER	14/175,359	2/7/2014
LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT	13/737,573	1/9/2013
ENDOCARDIAL LEAD REMOVING APPARATUS	13/333,783	12/21/2011
ENDOCARDIAL LEAD CUTTING APPARATUS	11/187,553	1/22/2005
BIASING LASER CATHETER: MONORAIL DESIGN	14/152,334	1/10/2014
REENTRY CATHETER AND METHOD THEREOF	14/128,050	6/29/2012
CARDIOVASCULAR IMAGING SYSTEM	13/968,993	8/16/2013
RAPID EXCHANGE BIAS LASER CATHETER DESIGN	14/137,424	12/20/2013
DISTAL END SUPPORTED TISSUE SLITTING APPARATUS	14/192,445	2/27/2014
DUAL MODE MECHANICAL CATHETER CUTTING SYSTEM	61/987,993	5/2/2014
SURGICAL INSTRUMENT INCLUDING AN INWARDLY DEFLECTING CUTTING TIP FOR REMOVING AN IMPLANTED OBJECT	14/577,976	12/19/2014

Patent Application	Application/Serial Number	Application/Filing Date
TERAHERTZ SCANNING SYSTEM FOR AN INTRAVASCULAR SPACE	62/006,636	6/2/2014
CONVERTIBLE OPTICAL AND PRESSURE WAVE ABLATION SYSTEM AND METHOD	62/010,577	6/11/2014
MULTIPLE CONFIGURATION SURGICAL CUTTING DEVICE	62/094,808	12/19/2014
LASER ENERGY DELIVERY DEVICES INCLUDING LASER TRANSMISSION DETECTION SYSTEMS AND METHODS	62/072,323	10/29/2014
MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT	62/058,790	10/2/2014
RADIOPAQUE TAPE	29/513,415	12/30/2014
ELECTRODEPOSITION COATING FOR MEDICAL DEVICES	62/057,602	9/30/2014
RADIOPAQUE TAPE	29/513,414	12/30/2014
RADIOPAQUE TAPE	29/513,413	12/30/2014
RADIOPAQUE TAPE	29/513,412	12/30/2014
RADIOPAQUE TAPE	29/513,416	12/30/2014
COLLAPSING COIL COUPLING FOR LEAD EXTENSION AND EXTRACTION	62/098,214	12/30/2014
WIRE HOOK COUPLING FOR LEAD EXTENSION AND EXTRACTION	62/098,209	12/30/2014
MULTI-LOOP COUPLING FOR LEAD EXTENSION AND EXTRACTION	62/098,208	12/30/2014
LASER-INDUCED SHOCK WAVES FOR THE TREATMENT OF VASCULAR CONDITIONS	62/098,242	12/30/2014

Patent Application	Application/Serial Number	Application/Filing Date
LASER SCOOP DESOBLITERATION (LSD)- A NOVEL METHOD FOR MINIMAL INVASIVE REMOTE RECANALIZATION OF CHRONICALLY OCCLUDED SUPERFICIAL FEMORAL ARTERIES	62/073,266	10/31/2014
THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE	14/562,014	12/5/2014
RETRACTABLE SEPARATING SYSTEMS AND METHODS	14/589,688	1/5/2015
REENTRY CATHETER AND METHOD THEREOF	14/584,851	12/29/2014
MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT	14/627,851	2/20/2015
MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT	14/627,950	2/20/2015
TAPERED LIQUID LIGHT GUIDE	14/613,949	2/4/2015
MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT	62/113,865	2/9/2015
MULTIPLE CONFIGURATION SURGICAL CUTTING DEVICE	14/635,742	3/2/2015
REENTRY CATHETER AND METHOD THEREOF	14/631,592	2/25/2015
MEDICAL DEVICE HANDLE	29/519,239	3/3/2015
MEDICAL DEVICE HANDLE	29/519,258	3/3/2015
MATERIAL REMOVAL CATHETER HAVING AN EXPANDABLE DISTAL END	14/700,550	4/30/2015
TISSUE SEPARATING SYSTEMS AND METHODS	14/682,779	4/9/2015
MATERIAL CAPTURING GUIDEWIRE	14/686,424	4/14/2015

Patent Application	Application/Serial Number	Application/Filing Date
AN ARCH SHAPED LASER CATHETER	14/438,176	10/24/2013
SEGMENTED BALLOON LASER ABLATION CATHETER	14/700,556	4/30/2015
REMOTE CONTROL SWITCH FOR A LASER SYSTEM	14/700,576	4/30/2015
INTRA-VASCULAR DEVICE WITH PRESSURE DETECTION CAPABILITIES USING PRESSURE SENSITIVE MATERIAL	14/714,925	5/18/2015
SYSTEM AND METHOD OF ABLATIVE CUTTING AND VACUUM ASPIRATION THROUGH PRIMARY ORIFICE AND AUXILIARY SIDE PORT	14/725,766	5/29/2015
SURGICAL INSTRUMENT FOR REMOVING AN IMPLANTED OBJECT	14/725,781	5/29/2015
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	12/558,420	9/11/2009
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	14/695,114	4/24/2015
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	14/032,336	9/20/2013
LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS	14/254,160	4/16/2014
POST-PROCESSING OF A MEDICAL	13/926,515	6/25/2013

Patent Application	Application/Serial Number	Application/Filing Date
DEVICE TO CONTROL MORPHOLOGY AND MECHANICAL PROPERTIES		
COATINGS FOR MEDICAL DEVICES	14/162,900	1/24/2014

**EXHIBIT B**

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

REGISTRATIONS

Trademark	Registration Number	Registration Date
	4,638,019	November 11, 2014
<b>GlideLight</b>	4,243,271	November 13, 2012
<b>QUICK-ACCESS</b>	4,522,960	April 29, 2014
<b>QUICK-CROSS CAPTURE</b>	4,548,605	June 10, 2014
<b>SIGHTRAIL</b>	4,673,064	January 13, 2015
<b>SPECTRANETICS</b>	4,708,930	March 24, 2015
<b>SPECTRANETICS</b>	4,708,931	March 24, 2015
<b>TIGHTRAIL</b>	4,673,065	January 13, 2015

Trademark	Registration Number	Registration Date
TIGHTRAIL MINI	4,729,002	April 28, 2015
TURBO-BOOSTER	4,712,538	March 31, 2015

APPLICATIONS

Trademark Application	Application/Serial Number	Application Date
ALWAYS REACHING FARTHER	85/687,837	July 26, 2012
	85/687,831	July 26, 2012
NETICS MEDICAL	86/541,303	February 20, 2015
SPECTRANETICS	85/687,806	July 26, 2012
SPNC	86/414,400	October 3, 2014

Trademark Application	Application/Serial Number	Application Date
TURBO ELITE BTK	86/441,590	October 31, 2014
TURBO-TAPE	86/369,316	August 18, 2014
ENDURACOAT	86/278,131	May 12, 2014
<b>Stellarex</b>	85/958,731	June 13, 2013

COLLECTIVE MEMBERSHIP MARKS

**NONE**

UNREGISTERED MARKS

**NONE**