

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM438752

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|---|------------------------------|-----------------------|------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | RELEASE OF SECURITY INTEREST | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| MIDCAP FINANCIAL TRUST, AS AGENT | | 08/09/2017 | STATUTORY TRUST: DELAWARE |
| RECEIVING PARTY DATA | | | |
| Name: | ANGIOSCORE INC. | | |
| Street Address: | 5055 Brandin Court | | |
| City: | Fremont | | |
| State/Country: | CALIFORNIA | | |
| Postal Code: | 94538 | | |
| Entity Type: | Corporation: DELAWARE | | |
| PROPERTY NUMBERS Total: 3 | | | |
| Property Type | Number | Word Mark | |
| Registration Number: | 2931808 | ANGIOSCORE | |
| Registration Number: | 2920010 | ANGIOSCULPT | |
| Registration Number: | 4832482 | HYDROCROSS | |
| CORRESPONDENCE DATA | | | |
| Fax Number: | 6127661600 | | |
| <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> | | | |
| Phone: | 6127667000 | | |
| Email: | tmmpls@faegrebd.com | | |
| Correspondent Name: | Brian Lefort/Sarah House | | |
| Address Line 1: | 90 South Seventh Street | | |
| Address Line 2: | 2200 Wells Fargo Center | | |
| Address Line 4: | Minneapolis, MINNESOTA 55402 | | |
| ATTORNEY DOCKET NUMBER: | 487145.569 | | |
| NAME OF SUBMITTER: | Sarah M. House | | |
| SIGNATURE: | /Sarah M House/ | | |
| DATE SIGNED: | 08/10/2017 | | |
| Total Attachments: 39 | | | |
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**RELEASE OF SECURITY INTEREST
IN INTELLECTUAL PROPERTY**

This Release of Security Interest in Intellectual Property, dated as of August 9, 2017 (this “**IP Release**”), is made by **MidCap Financial Trust**, a Delaware statutory trust as agent (“**Agent**”) for the Lenders, in favor of **The Spectranetics Corporation**, a Delaware corporation (“**Spectranetics**”) and **AngioScore Inc.**, a Delaware corporation (“**Angioscore**”, and Angioscore, together with Spectranetics, collectively, the “**Grantors**”) as follows:

WHEREAS, pursuant to that certain Intellectual Property Security Agreement, dated as of December 7, 2015 (as the same may have been amended, modified, restated, replaced or supplemented from time to time, the “**IP Security Agreement**”; capitalized terms used herein have the definition provided for in the IP Security Agreement), (a) recorded with the United States Patent and Trademark Office on December 11, 2015 at Reel/Frame No. 5687/0355, on December 11, 2015 at Reel/Frame No. 037269/0425, on December 11, 2015 at Reel/Frame No. 037273/0804, on December 11, 2015 at Reel/Frame No. 5687/0296, on June 13, 2017 at Reel/Frame No. 042781/0194, on June 13, 2017 at Reel/Frame No. 042782/0958, and on June 13, 2017 at Reel/Frame No. 6082/0862, and (b) recorded with the United States Copyright Office on June 21, 2017; the Grantors granted to Agent, on behalf of the Lenders, a security interest in and to all of its right, title and interest in each Grantor’s Intellectual Property Collateral, including those listed Schedules A through C thereto;

WHEREAS, the Grantors have requested that Agent release its security interest in and to the Copyrights as more particularly described on Schedule A attached hereto (the “**Released Copyrights**”);

WHEREAS, the Grantors have requested that Agent release its security interest in and to the Patents as more particularly described on Schedule B attached hereto (the “**Released Patents**”);

WHEREAS, the Grantors have requested that Agent release its security interest in and to the Trademarks as more particularly described on Schedule C attached hereto (the “**Released Trademarks**”, and together with the Released Copyrights and the Released Patents, the “**Released IP Collateral**”);

NOW, THEREFORE, Agent, without recourse, representation or warranty and at Grantors’ sole cost and expense, hereby releases all of its right, title and interest in and to the Released IP Collateral.

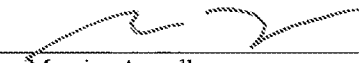
[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Agent has caused this IP Release to be duly executed and delivered by its duly authorized officer as of the date first written above.

MIDCAP FINANCIAL TRUST, as Agent

By: Apollo Capital Management, L.P.,
its investment manager

By: Apollo Capital Management GP, LLC,
its general partner

By: 
Name: Maurice Amsellem
Title: Authorized Signatory

SCHEDULE A

Released Copyrights

[See Attached]

EXHIBIT A

Copyrights

COPYRIGHTS OWNED BY THE SPECTRANETICS CORPORATION

Registration Number / Date: TXu001723730 / 2010-10-20

Application Title: Spectranetics Laser Radiation and Hazard Manual for the Safe Operation and Service of the CVX-300 Excimer Laser System.

Title: Spectranetics Laser Radiation and Hazard Manual for the Safe Operation and Service of the CVX-300 Excimer Laser System.

Description: Electronic Deposit.

Copyright Claimant: The Spectranetics Corporation. Address: 9965 Federal Drive, Colorado Springs, CO, 80921, United States.

Date of Creation: 2010

Authorship on Application: The Spectranetics Corporation, employer for hire; Domicile: United States; Citizenship: United States. Authorship: text, photograph(s), compilation, editing, artwork.

Rights and Permissions: Roger Wertheimer, Spectranetics, 9965 Federal Drive, Colorado Springs, CO, 80921, United States, (719) 633-8333, roger.wertheimer@spnc.com

SCHEDULE B

Released Patents

[See Attached]

EXHIBIT B

Patents

UNITED STATES PATENTS

UNITED STATES ISSUED PATENTS – ASSIGNED TO THE SPECTRANETICS CORPORATION

| <u>Title</u> | <u>Patent Number</u> | <u>Issue Date</u> |
|---|----------------------|-------------------|
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 7,959,608 | 6/14/2011 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 7,666,161 | 2/23/2010 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 8,920,402 | 12/30/2014 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 7,976,528 | 7/12/2011 |
| REENTRY CATHETER AND METHOD THEREOF | 8,956,376 | 2/17/2015 |
| REENTRY CATHETER AND METHOD THEREOF | 8,998,936 | 4/7/2015 |
| SHAPEABLE INTRALUMINAL DEVICE AND METHOD THEREFOR | 7,951,094 | 5/31/2011 |
| SHAPEABLE INTRALUMINAL DEVICE AND METHOD THEREFOR | 7,303,533 | 12/4/2007 |
| PHOTOTHERAPY DEVICE AND METHOD | 5,976,124 | 11/2/1999 |
| EXPANDABLE LASER CATHETER | 8,465,480 | 6/18/2013 |
| RADIO FREQUENCY GUIDE WIRE ASSEMBLY WITH OPTICAL COHERENCE REFLECTOMETRY GUIDANCE | 7,563,262 | 7/21/2009 |
| ECCENTRIC BALLOON LASER CATHETER | 8,702,773 | 4/22/2014 |
| TAPERED LIQUID LIGHT GUIDE | 8,979,828 | 3/17/2015 |
| RETRACTABLE SEPARATING SYSTEM AND METHODS | 8,961,551 | 2/24/2015 |
| LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT | 8,414,568 | 4/9/2013 |

| <u>Title</u> | <u>Patent Number</u> | <u>Issue Date</u> |
|---|----------------------|-------------------|
| LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT | 8,758,333 | 6/24/2014 |
| ENDOCARDIAL LEAD REMOVING APPARATUS | 8,097,012 | 1/17/2012 |
| ENDOCARDIAL LEAD REMOVING APPARATUS | 7,993,359 | 8/9/2011 |
| TISSUE SEPARATING SYSTEMS AND METHODS | 9,028,520 | 5/12/2015 |
| LEAD LOCKING DEVICE AND METHOD | 6,167,315 | 12/26/2000 |
| LEAD LOCKING DEVICE AND METHOD | 6,324,434 | 11/27/2001 |
| LEAD LOCKING DEVICE AND METHOD | 6,772,014 | 8/3/2004 |
| LEAD LOCKING DEVICE AND METHOD | 7,499,756 | 3/3/2009 |
| LEAD LOCKING DEVICE AND METHOD | 8,428,747 | 4/23/2013 |
| MULTI-PORT LIGHT DELIVERY CATHETER AND METHODS FOR THE USE THEREOF | 8,104,483 | 1/31/2012 |
| LOW-LOSS POLARIZED LIGHT DIVERSION | 8,059,274 | 11/15/2011 |
| PROXIMAL COUPLER FOR OPTICAL FIBERS | 7,050,692 | 5/23/2006 |
| LASER CATHETER CALIBRATOR | 8,100,893 | 1/24/2012 |
| CATHETER FOR DELIVERY OF ELECTRIC ENERGY AND A PROCESS FOR MANUFACTURING SAME | 5,824,026 | 10/20/1998 |
| CATHETER FOR DELIVERY OF ELECTRIC ENERGY AND A PROCESS FOR MANUFACTURING SAME | 5,836,946 | 11/17/1998 |
| ENDOCARDIAL LEAD CUTTING APPARATUS | 7,651,503 | 1/26/2010 |
| APPARATUS AND METHODS FOR DIRECTIONAL DELIVERY OF LASER ENERGY | 7,572,254 | 8/11/2009 |
| CARDIOVASCULAR IMAGING SYSTEM | 8,545,488 | 10/1/2013 |
| APPARATUS AND METHODS FOR DIRECTIONAL DELIVERY OF LASER ENERGY | 7,846,153 | 12/7/2010 |
| LIGHT DELIVERY CATHETER AND METHODS FOR THE USE THEREOF | 6,290,668 | 9/18/2001 |
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | 9,034,362 | 5/19/2015 |
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER- | 8,491,925 | 7/23/2013 |

| <u>Title</u> | <u>Patent Number</u> | <u>Issue Date</u> |
|---|----------------------|-------------------|
| INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | | |
| 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 | 8,563,023 | 10/22/2013 |
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | 8,128,951 | 5/6/2012 |
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | 9,198,968 | 12/1/2015 |
| 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 | 8,257,722 | 9/4/2012 |
| 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 | 9,132,211 | 9/15/2015 |
| DEFLECTING CATHETER | 6,951,554 | 10/4/2005 |
| CATHETER HANDLE FOR CONTROLLING THE ADVANCEMENT OF A GUIDE WIRE | 6,752,800 | 6/22/2004 |
| CATHETER FOR CONTROLLING THE ADVANCEMENT OF A GUIDE WIRE | 6,394,976 | 5/28/2002 |
| EXPANDABLE LASER CATHETER | 6,106,515 | 8/22/2000 |
| EXPANDABLE LASER CATHETER | 6,485,485 | 11/26/2002 |
| EXPANDABLE LASER CATHETER | 7,288,087 | 10/30/2007 |
| EXPANDABLE LASER CATHETER | 8,182,474 | 5/22/2012 |
| NEEDLE AND GUIDEWIRE HOLDER | 9,162,038 | 10/20/2015 |

| <u>Title</u> | <u>Patent Number</u> | <u>Issue Date</u> |
|--|----------------------|-------------------|
| SYSTEMS AND METHODS FOR STEERING A CATHETER THROUGH BODY TISSUE | 6,663,621 | 12/16/2003 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,048,349 | 4/11/2000 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,463,313 | 10/8/2002 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,970,732 | 11/29/2005 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,063,093 | 5/16/2000 |
| RADIO FREQUENCY GUIDE WIRE ASSEMBLY WITH OPTICAL COHERENCE REFLECTOMETRY GUIDANCE | 6,852,109 | 2/8/2005 |
| SYSTEM AND METHOD FOR CONTROLLING TISSUE ABLATION | 6,228,076 | 5/08/2001 |
| INTRA-VASCULAR DEVICE WITH PRESSURE DETECTION CAPABILITIES USING PRESSURE SENSITIVE MATERIAL | 9,066,742 | 6/30/2015 |
| ASSEMBLIES AND METHODS FOR ADVANCING A GUIDE WIRE THROUGH BODY TISSUE | 5,951,482 | 9/14/1999 |
| GUIDE WIRE ASSEMBLY | 6,193,676 | 2/27/2001 |
| METHOD AND APPARATUS FOR GUIDING A GUIDE WIRE | 6,842,639 | 1/11/2005 |
| RADIOPAQUE TAPE | D742,521 | 11/3/2015 |
| RADIOPAQUE TAPE | D740,946 | 10/13/2015 |
| RADIOPAQUE TAPE | D742,520 | 11/3/2015 |
| RADIOPAQUE TAPE | D742,522 | 11/3/2015 |
| RAPID EXCHANGE BIAS LASER CATHETER DESIGN | 8,628,519 | 1/14/2014 |
| EXCIMER LASER ANGIOPLASTY SYSTEM | 5,989,243 | 11/23/1999 |

UNITED STATES ISSUED PATENTS – ASSIGNED TO ANGIOSCORE INC.

| <u>Title</u> | <u>Patent Number</u> | <u>Issue Date</u> |
|--|-----------------------------|--------------------------|
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 8,454,636 | 6/4/2013 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 8,080,026 | 12/20/2011 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 7,686,824 | 3/30/2010 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 7,955,350 | 6/7/2011 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 8,721,667 | 5/13/2014 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,011,896 | 4/21/2015 |
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 8,864,743 | 10/21/2014 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 8,632,559 | 1/21/2014 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 7,931,663 | 4/26/2011 |
| FACILITATED BALLOON CATHETER EXCHANGE | 7,022,104 | 4/4/2006 |
| FACILITATED BALLOON CATHETER EXCHANGE | 7,513,886 | 4/7/2009 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 7,691,119 | 4/6/2010 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,173,977 | 11/3/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,078,951 | 7/14/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,072,812 | 7/7/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,101,684 | 8/11/2015 |

**UNITED STATES PATENT APPLICATIONS AND ADDITIONS
ASSIGNED TO THE SPECTRANETICS CORPORATION**

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|--|----------------------|--------------------|
| 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 |
| 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 |
| 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 |

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|---|----------------------|--------------------|
| CONTROLLER TO SELECT OPTICAL CHANNEL PARAMETERS IN A CATHETER | 13/826,053 | 3/14/2013 |
| NEEDLE AND GUIDEWIRE HOLDER | 14/857,245 | 9/17/2015 |
| DEVICE AND METHOD FOR CAPTURING GUIDEWIRES | 13/390,146 | 2/13/2012 |
| OFFSET CATHETER | 12/333,427 | 12/12/2008 |
| LIQUID LIGHT-GUIDE CATHETER WITH OPTICALLY DIVERGING TIP | 12/254,254 | 10/20/2008 |
| INTRA-VASCULAR DEVICE WITH PRESSURE DETECTION CAPABILITIES USING PRESSURE SENSITIVE MATERIAL | 11/937,583 | 11/9/2007 |
| LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT | 13/737,573 | 1/9/2013 |
| SNARING SYSTEMS AND METHODS | 12/878,648 | 9/9/2010 |
| LIQUID LIGHT GUIDE CATHETER HAVING BIOCOMPATIBLE LIQUID LIGHT GUIDE MEDIUM | 11/923,488 | 10/24/2007 |
| BIASING LASER CATHETER: MONORAIL DESIGN | 14/152,334 | 1/10/2014 |
| TUNABLE NANOPARTICLE TAGS TO ENHANCE TISSUE RECOGNITION | 11/966,214 | 12/28/2007 |
| REENTRY CATHETER AND METHOD THEREOF | 14/128,050 | 6/29/2012 |
| CARDIOVASCULAR IMAGING SYSTEM | 13/968,993 | 8/16/2013 |
| DISTAL END SUPPORTED TISSUE SLITTING APPARATUS | 14/192,445 | 2/27/2014 |
| RADIOPAQUE TAPE | 29/513,414 | 12/20/2014 |
| 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 |
| MULTIPLE CONFIGURATION SURGICAL CUTTING DEVICE | 14/635,742 | 3/2/2015 |
| AN ARCH SHAPED LASER CATHETER | 14/438,176 | 10/24/2013 |
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | 14/852790 | 9/14/2015 |

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|---|----------------------|--------------------|
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | 14/935754 | 11/9/2015 |
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | 14/695114 | 4/24/2015 |
| LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS | 14/032336 | 9/20/2013 |
| POST-PROCESSING OF A MEDICAL DEVICE TO CONTROL MORPHOLOGY AND MECHANICAL PROPERTIES | 13/926515 | 6/25/2013 |
| COATINGS FOR MEDICAL DEVICES | 14/162900 | 1/24/2014 |
| RAPID EXCHANGE BIAS LASER CATHETER DESIGN | 14/137,424 | 1/14/2014 |
| DILATOR SHEATH SET | 14/195,692 | 3/3/2014 |
| SHEATH | 29/483,813 | 3/3/2014 |
| SHEATH SET | 29/483,815 | 3/3/2014 |
| MATERIAL CAPTURING GUIDEWIRE | 13/801,149 | 3/13/2013 |
| ECCENTRIC BALLOON LASER CATHETER | 14/175,359 | 2/7/2014 |
| ENDOCARDIAL LEAD REMOVING APPARATUS | 11/484,825 | 8/9/2011 |
| ENDOCARDIAL LEAD CUTTING APPARATUS | 14/857,621 | 9/17/2015 |
| SURGICAL INSTRUMENT INCLUDING AN INWARDLY DEFLECTING CUTTING TIP FOR REMOVING AN IMPLANTED OBJECT | 14/577,976 | 12/19/2014 |
| 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 |

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|---|----------------------|--------------------|
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 14/562,014 | 12/5/2014 |
| RETRACTABLE SEPARATING SYSTEMS AND METHODS | 14/589,688 | 1/5/2015 |
| TAPERED LIQUID LIGHT GUIDE | 14/613,949 | 2/4/2015 |
| 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 |
| 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 FOR COORDINATED LASER DELIVERY AND IMAGING | 14/723,956 | 5/28/2015 |
| METHODS FOR TREATING VASCULAR STENOSES INCLUDING LASER ATHERECTOMY AND DRUG DELIVERY VIA DRUG-COATED BALLOONS | 62/209,691 | 8/25/2015 |
| 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 |
| TERAHERTZ SCANNING SYSTEM FOR AN INTRAVASCULAR SPACE | 14/728,168 | 6/2/2015 |
| CONVERTIBLE OPTICAL AND PRESSURE WAVE ABLATION SYSTEM AND METHOD | 14/735,946 | 6/10/2015 |
| MEDICAL DEVICE HANDLE | 29/532,214 | 7/2/2015 |

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|---|----------------------|--------------------|
| TEMPORARY OCCLUSION BALLOON DEVICES AND METHODS FOR PREVENTING BLOOD FLOW THROUGH A VASCULAR PERFORATION | 62/203,711 | 8/11/2015 |
| LASER ENERGY DELIVERY DEVICES INCLUDING LASER TRANSMISSION DETECTION SYSTEMS AND METHODS | 62/199,431 | 7/31/2015 |
| MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT USING LASER CUT HYPOTUBES | 62/211,151 | 8/28/2015 |
| SURGICAL INSTRUMENT FOR REMOVING AN IMPLANTED OBJECT | 14/771,775 | 3/13/2014 |
| LASER-INDUCED SHOCK WAVES EMITTING CATHETER SHEATH | 62/212,242 | 8/31/2015 |
| TEMPORARY OCCLUSION BALLOON DEVICES AND METHODS FOR PREVENTING BLOOD FLOW-THROUGH A VASCULAR PERFORATION | 62/212,025 | 8/31/2015 |
| TEMPORARY OCCLUSION BALLOON DEVICES AND METHODS FOR PREVENTING BLOOD FLOW THROUGH A VASCULAR PERFORATION | 62/212,023 | 8/31/2015 |
| ELECTRODEPOSITION COATING FOR MEDICAL DEVICES | 14/869,331 | 9/29/2015 |
| TEMPORARY OCCLUSION BALLOON DEVICES AND METHODS FOR PREVENTING BLOOD FLOW THROUGH A VASCULAR PERFORATION | 62/234,376 | 9/29/2015 |
| SUPPORT CATHETER AND GUIDEWIRE KIT FOR CROSSING A VASCULAR OCCLUSION | 62/233,121 | 9/25/2015 |
| ENDOCARDIAL LEAD CUTTING APPARATUS | 14/857,621 | 9/17/2015 |
| DIRECTIONAL LASER-INDUCED SHOCK WAVES FOR THE TREATMENT OF VASCULAR CONDITIONS | 62/232,318 | 9/24/2015 |
| TEMPORARY OCCULUSION BALLOON DEVICES AND HEMOSTATIC COMPOSITIONS FOR PREVENTING BLOOD FLOW THROUGH A VASCULAR PERFORATION | 62/233,869 | 9/28/2015 |
| LEAD REMOVAL SLEEVE | 14/877,683 | 10/7/2015 |
| LASER ENERGY DELIVERY DEVICES INCLUDING LASER TRANSMISSION DETECTION SYSTEMS AND METHODS | 14/925,348 | 10/28/2015 |
| LASER-INDUCED PRESSURE WAVES EMITTING CATHETER SHEATH | 62/248,753 | 10/30/2015 |

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|--|----------------------|--------------------|
| LASER-INDUCED PRESSURE WAVES FOR THE TREATMENT OF VASCULAR CONDITIONS USING LIGHT ABSORBING MATERIAL | 62/248,875 | 10/30/2015 |
| LASER-INDUCED PRESSURE WAVES FOR THE TREATMENT OF VASCULAR CONDITIONS | 62/248,913 | 10/30/2015 |
| LASER-INDUCED PRESSURE WAVE EMITTING SHEATH AND ATTENUATING STRUCTURE | 62/248,936 | 10/30/2015 |
| LASER-INDUCED PRESSURE WAVES EMANATING FROM BALLOON CATHETER WITH ATTENUATING STRUCTURE | 62/257,404 | 11/19/2015 |

**UNITED STATES PATENT APPLICATIONS AND ADDITIONS
ASSIGNED TO ANGIOSCORE, INC.**

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|--|----------------------|--------------------|
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY | 14/048,955 | 10/8/2013 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 14/275,264 | 5/12/2014 |
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 11/411,635 | 4/26/2006 |
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 13/842,080 | 3/15/2013 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 13/894,613 | 5/15/2013 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 14/010,754 | 8/27/2013 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 12/694,163 | 1/26/2010 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 13/022,489 | 2/7/2011 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 13/489,250 | 6/5/2011 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 14/731,715 | 6/5/2015 |

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|---|----------------------|--------------------|
| TRIGGERED RELEASE MECHANISM TO IMPROVE EFFICACY OF DRUG | 62/239,121 | 10/8/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 14/877,284 | 10/7/2015 |
| BALLOON ANGIOPLASTY CATHETER COATING TO ENCOURAGE VESSEL REPAIR AND FURTHER REDUCE RESTENOSIS | 62/256,845 | 11/18/2015 |

LICENSES

The Company is party to license agreements under which the Company licenses patents covering certain aspects of the Company's products. For example, the Company has an amended vascular laser angioplasty catheter license agreement with SurModics, Inc., under which SurModics has granted the Company a worldwide non-exclusive license to use a lubricious coating that is applied to the Company's products using certain SurModics patents. The Company pays SurModics royalties as a specified percentage of net sales of products using its patents, subject to a quarterly minimum royalty. The license agreement expires on the later of the expiration of the last licensed patent or the fifteenth anniversary of the date a licensed product is first sold unless terminated earlier (1) by either party if the other party is involved with insolvency, dissolution or bankruptcy proceedings, (2) by the Company upon 90 days' advance written notice, or (3) by SurModics upon 60 days' advance written notice if the Company has failed to perform its obligations under the agreement and has not cured such breach during such 60-day period, or if the royalties the Company pays SurModics are not greater than specified levels. In 2014, the Company incurred royalties of approximately \$1.0 million to SurModics under this license agreement.

In December 2009, the Company entered into a license agreement with Peter Rentrop, M.D. As part of the agreement, the Company received a worldwide, exclusive license to certain patents and patent applications owned by Dr. Rentrop, which, in general, apply to laser catheters with a tip diameter less than 1 millimeter. The Company pays Dr. Rentrop royalties of a specified percentage of net sales of products using his patents subject to a quarterly minimum royalty. The license agreement expires in January 2020, unless terminated earlier in accordance with its terms. In 2014, the Company incurred royalties of approximately \$1.5 million to Dr. Rentrop under this license agreement.

In March 2010, AngioScore entered into a development and license agreement with InnoRa GmbH, Ulrich Speck and Bruno Scheller. As part of the agreement, AngioScore received an exclusive license to certain InnoRa intellectual property related to drug coatings of certain balloon catheters in the field of the treatment of coronary artery disease and peripheral arterial disease, and AngioScore obtained ownership of any new technology developed under the agreement. AngioScore pays InnoRa royalties of a specified percentage of net sales of products developed under the agreement. The exclusive rights granted by InnoRa are subject to AngioScore meeting certain milestones. If AngioScore does not satisfy the milestones, then the exclusive license rights will convert to a non-exclusive license, and AngioScore will license certain new technology developed under the agreement to InnoRa. In 2014, AngioScore did not incur royalties under this license agreement.

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| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 8,632,559 | 1/21/2014 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 8,721,667 | 5/13/2014 |
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 8,864,743 | 10/21/2014 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,011,896 | 4/21/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,072,812 | 7/7/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,078,951 | 7/14/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,101,684 | 8/11/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,173,977 | 11/3/2015 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 9,351,756 | 5/31/2016 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 9,364,254 | 6/14/2016 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 9,375,328 | 6/28/2016 |
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 9,586,031 | 3/7/2017 |

**UNITED STATES PATENT APPLICATIONS
ASSIGNED TO THE SPECTRANETICS CORPORATION**

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|--|----------------------|--------------------|
| ENDOCARDIAL LEAD CUTTING APPARATUS | 11/187,553 | 1/22/2005 |
| LIQUID LIGHT GUIDE CATHETER HAVING BIOCOMPATIBLE LIQUID LIGHT GUIDE MEDIUM | 11/923,488 | 10/24/2007 |

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| TUNABLE NANOPARTICLE TAGS TO ENHANCE TISSUE RECOGNITION | 11/966,214 | 12/28/2007 |
| HYPOTUBE BASED SUPPORT CATHETER | 13/390,140 | 12/12/2011 |
| DEVICE AND METHOD FOR CAPTURING GUIDEWIRES | 13/390,146 | 12/12/2011 |
| ENDOCARDIAL LEAD REMOVING APPARATUS | 13/333,783 | 12/21/2011 |
| REENTRY CATHETER AND METHOD THEREOF | 14/128,050 | 6/29/2012 |
| SYSTEM AND METHOD OF ABLATIVE CUTTING AND PULSED VACUUM ASPIRATION | 13/800,651 | 3/13/2013 |
| LASER CATHETER WITH HELICAL INTERNAL LUMEN | 13/800,675 | 3/13/2013 |
| WIRE CENTERING SHEATH AND METHOD | 13/798,985 | 3/13/2013 |
| ANGULAR OPTICAL FIBER CATHETER | 13/800,864 | 3/13/2013 |
| MATERIAL CAPTURING GUIDEWIRE | 13/801,149 | 3/13/2013 |
| TISSUE SLITTING METHODS AND SYSTEMS | 13/828,231 | 3/14/2013 |
| INTELLIGENT CATHETER | 13/804,812 | 3/14/2013 |
| SMART MULTIPLEXED MEDICAL LASER SYSTEM | 13/804,923 | 3/14/2013 |
| THREADED LEAD EXTRACTION DEVICE | 13/828,491 | 3/14/2013 |
| EXPANDABLE LEAD JACKET | 13/828,536 | 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 |

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| RETRACTABLE BLADE FOR LEAD REMOVAL DEVICE | 13/834,405 | 3/15/2013 |
| CARDIOVASCULAR IMAGING SYSTEM | 13/968,993 | 8/16/2013 |
| ARCH SHAPED LASER CATHETER | 14/438,176 | 10/24/2013 |
| BIASING LASER CATHETER: MONORAIL DESIGN | 14/152,334 | 1/10/2014 |
| ECCENTRIC BALLOON LASER CATHETER | 14/175,359 | 2/7/2014 |
| DISTAL END SUPPORTED TISSUE SLITTING APPARATUS | 14/192,445 | 2/27/2014 |
| DILATOR SHEATH SET | 14/195,692 | 3/3/2014 |
| SURGICAL INSTRUMENT FOR REMOVING AN IMPLANTED OBJECT | 14/771,775 | 3/13/2014 |
| LASER ASSISTED THROMBOLYSIS | 14/916,411 | 9/2/2014 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 14/562,014 | 12/5/2014 |
| SURGICAL INSTRUMENT INCLUDING AN INWARDLY DEFLECTING CUTTING TIP FOR REMOVING AN IMPLANTED OBJECT | 14/577,976 | 12/19/2014 |
| MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT | 14/627,950 | 2/20/2015 |
| REENTRY CATHETER AND METHOD THEREOF | 14/631,592 | 2/25/2015 |
| MULTIPLE CONFIGURATION SURGICAL CUTTING DEVICE | 14/635,742 | 3/2/2015 |
| TISSUE SEPARATING SYSTEMS AND METHODS | 14/682,779 | 4/9/2015 |
| MATERIAL REMOVAL CATHETER HAVING AN EXPANDABLE DISTAL END | 14/700,550 | 4/30/2015 |
| SEGMENTED BALLOON LASER ABLATION CATHETER | 14/700,556 | 4/30/2015 |
| REMOTE CONTROL SWITCH FOR A LASER SYSTEM | 14/700,576 | 4/30/2015 |

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| SYSTEM AND METHOD FOR COORDINATED LASER DELIVERY AND IMAGING | 14/723,956 | 5/28/2015 |
| SURGICAL INSTRUMENT FOR REMOVING AN IMPLANTED OBJECT | 14/725,781 | 5/29/2015 |
| SYSTEM AND METHOD OF ABLATIVE CUTTING AND VACUUM ASPIRATION THROUGH PRIMARY ORIFICE AND AUXILIARY SIDE PORT | 14/725,766 | 5/29/2015 |
| TERAHERTZ SCANNING SYSTEM FOR AN INTRAVASCULAR SPACE | 14/728,168 | 6/2/2015 |
| CONVERTIBLE OPTICAL AND PRESSURE WAVE ABLATION SYSTEM AND METHOD | 14/735,946 | 6/10/2015 |
| NEEDLE AND GUIDEWIRE HOLDER | 14/857,245 | 9/17/2015 |
| ELECTRODEPOSITION COATING FOR MEDICAL DEVICES | 14/869,331 | 9/29/2015 |
| LEAD REMOVAL SLEEVE | 14/877,683 | 10/7/2015 |
| LASER ENERGY DELIVERY DEVICES INCLUDING LASER TRANSMISSION DETECTION SYSTEMS AND METHODS | 14/925,348 | 10/28/2015 |
| COLLAPSING COIL COUPLING FOR LEAD EXTENSION AND EXTRACTION | 14/954,169 | 11/30/2015 |
| WIRE HOOK COUPLING FOR LEAD EXTENSION AND EXTRACTION | 14/954,177 | 11/30/2015 |
| SNARING SYSTEMS AND METHODS | 14/978,731 | 12/22/2015 |
| MULTI-LOOP COUPLING FOR LEAD EXTENSION AND EXTRACTION | 14/983,248 | 12/29/2015 |
| ELECTRICALLY-INDUCED FLUID FILLED BALLOON CATHETER | 14/984,294 | 12/30/2015 |
| ELECTRICALLY-INDUCED PRESSURE WAVE EMITTING CATHETER SHEATH | 14/984,710 | 12/30/2015 |
| LASER-INDUCED PRESSURE WAVE EMITTING CATHETER SHEATH | 14/984,308 | 12/30/2015 |
| LASER-INDUCED FLUID FILLED BALLOON CATHETER | 14/984,050 | 12/30/2015 |
| DEVICE AND METHOD OF ABLATIVE CUTTING WITH HELICAL TIP | 14/994,921 | 1/13/2016 |

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| RETRACTABLE SEPARATING SYSTEMS AND METHODS | 14/996,679 | 1/15/2016 |
| LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT | 15/061,594 | 3/4/2016 |
| INTRA-VASCULAR DEVICE WITH PRESSURE DETECTION CAPABILITIES USING PRESSURE SENSITIVE MATERIAL | 15/064,265 | 3/8/2016 |
| TEMPORARY OCCLUSION BALLOON DEVICES AND METHODS FOR PREVENTING BLOOD FLOW THROUGH A VASCULAR PERFORATION | 15/071,533 | 3/16/2016 |
| ALARM FOR LEAD INSULATION ABNORMALITY | 15/072,859 | 3/17/2016 |
| APPARATUS AND METHOD FOR BALLOON ANGIOPLASTY | 15/090,736 | 4/5/2016 |
| RAPID EXCHANGE BIAS LASER CATHETER DESIGN | 15/094,612 | 4/8/2016 |
| TAPERED LIQUID LIGHT GUIDE | 15/138,949 | 4/26/2016 |
| MATERIAL CAPTURING GUIDEWIRE | 15/145,516 | 5/3/2016 |
| EXPANDABLE MEMBER FOR PERFORATION OCCLUSION | 15/174,045 | 6/6/2016 |
| ENDOCARDIAL LEAD CUTTING APPARATUS | 15/218,444 | 7/25/2016 |
| LASER-INDUCED PRESSURE WAVE EMITTING CATHETER SHEATH | 62/366,409 | 7/25/2016 |
| LASER-INDUCED PRESSURE WAVE EMITTING CATHETER SHEATH | 62/366,498 | 7/25/2016 |
| REENTRY CATHETER AND METHOD THEREOF | 15/227,800 | 8/3/2016 |
| TISSUE SLITTING METHODS AND SYSTEMS | 15/229,873 | 8/5/2016 |
| OFFSET CATHETER | 15/230,148 | 8/5/2016 |
| STABILIZATION DEVICE ASSISTED LEAD TIP REMOVAL | 15/241,673 | 8/19/2016 |
| LIQUID LIGHT-GUIDE CATHETER WITH OPTICALLY DIVERGING TIP | 15/243,609 | 8/22/2016 |

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| METHODS FOR TREATING VASCULAR STENOSES INCLUDING LASER ATHERECTOMY AND DRUG DELIVERY VIA DRUG-COATED BALLOONS | 15/246,815 | 8/25/2016 |
| MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT USING LASER CUT HYPOTUBES | 15/249,206 | 8/26/2016 |
| MEDICAL DEVICE HANDLE | 29/575,820 | 8/29/2016 |
| SUPPORT CATHETER AND GUIDEWIRE KIT FOR CROSSING A VASCULAR OCCLUSION | 15/274,181 | 9/23/2016 |
| LASER ABLATION CATHETER | 15/281,981 | 9/30/2016 |
| MEDICAL DEVICE HANDLE | 29/580,392 | 10/7/2016 |
| LIQUID LIGHT GUIDE CATHETER HAVING BIOCOMPATIBLE LIQUID LIGHT GUIDE MEDIUM | 15/372,141 | 12/7/2016 |
| LASER ENERGY DELIVERY DEVICES INCLUDING LASER TRANSMISSION DETECTION SYSTEMS AND METHODS | 15/392,987 | 12/28/2016 |
| EXPANDING TUBE COUPLING FOR REVERSIBLE LEAD LOCKING | 62/440,211 | 12/29/2016 |
| ROTATING AND SLIDING SLEEVE FOR HANDLE PORTION OF LASER CATHETER | 62/440,249 | 12/29/2016 |
| INTERNAL RAIL SYSTEM FOR LASER CATHETER | 62/440,257 | 12/29/2016 |
| LASER-INDUCED PRESSURE WAVE EMITTING CATHETER SHEATH | 62/441,021 | 12/30/2016 |
| LASER-INDUCED PRESSURE WAVE EMITTING CATHETER SHEATH | 62/441,030 | 12/30/2016 |
| MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT | 15/406,033 | 1/13/2017 |
| EXPANDABLE LASER CATHETER | 15/429,941 | 2/10/2017 |
| MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT | 15/442,006 | 2/24/2017 |
| MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT | 15/462,357 | 3/17/2017 |
| LASER ENERGY DELIVERY DEVICES INCLUDING DISTAL TIP ORIENTATION INDICATORS | 15/469,240 | 3/24/2017 |

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| LASER ENERGY DELIVERY DEVICES INCLUDING DISTAL TIP ORIENTATION INDICATORS | 15/469,247 | 3/24/2017 |
| TEMPORARY OCCLUSION BALLOON DEVICES AND METHODS FOR PREVENTING BLOOD FLOW THROUGH A VASCULAR PERFORATION | 15/474,455 | 3/30/2017 |
| LASER-INDUCED FLUID FILLED BALLOON CATHETER | 15/476,183 | 3/31/2017 |

**UNITED STATES PATENT APPLICATIONS
ASSIGNED TO ANGIOSCORE, INC.**

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|---|----------------------|--------------------|
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 11/411,635 | 4/26/2006 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 13/022,489 | 2/7/2011 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 13/489,250 | 6/5/2012 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY | 14/048,955 | 10/8/2013 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 14/275,264 | 5/12/2014 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 14/731,715 | 6/5/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 14/877,284 | 10/7/2015 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 15/164,611 | 5/25/2016 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 62/381,751 | 8/31/2016 |
| TRIGGERED RELEASE MECHANISM TO IMPROVE EFFICACY OF DRUG COATED BALLOONS | 15/282,579 | 9/30/2016 |
| BALLOON ANGIOPLASTY CATHETER COATING TO ENCOURAGE VESSEL REPAIR AND FURTHER REDUCE RESTENOSIS | 15/354,237 | 11/17/2016 |

BALLOON CATHETER WITH NON-DEPLOYABLE
STENT HAVING IMPROVED STABILITY 15/373,933 12/9/2016

METHODS AND SYSTEMS FOR DELIVERING
SUBSTANCES INTO LUMINAL WALLS 15/431,302 2/13/2017

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Registration Number / Date: TXu001723730 / 2010-10-20
Application Title: Spectranetics Laser Radiation and Hazard Manual for the Safe Operation and Service of the CVX-300 Excimer Laser System.
Title: Spectranetics Laser Radiation and Hazard Manual for the Safe Operation and Service of the CVX-300 Excimer Laser System.
Description: Electronic Deposit.
Copyright Claimant: The Spectranetics Corporation. Address: 9965 Federal Drive, Colorado Springs, CO, 80921, United States.
Date of Creation: 2010
Authorship on Application: The Spectranetics Corporation, employer for hire; Domicile: United States; Citizenship: United States. Authorship: text, photograph(s), compilation, editing, artwork.
Rights and Permissions: Roger Wertheimer, Spectranetics, 9965 Federal Drive, Colorado Springs, CO, 80921, United States, (719) 633-8333, roger.wertheimer@spnc.com

Registration Number / Date: TXu001819329 / 2012-07-18
Application Title: Laser Radiation and Hazard Manual for the Safe Operation and Service of the CVX-300-P Excimer Laser System.
Title: Laser Radiation and Hazard Manual for the Safe Operation and Service of the CVX-300-P Excimer Laser System.
Description: Electronic file (eService)
Copyright Claimant: The Spectranetics Corporation. Address: 9965 Federal Drive, Colorado Springs, CO, 80921, United States.
Date of Creation: 2012
Authorship on Application: The Spectranetics Corporation, employer for hire; Domicile: United States; Citizenship: United States. Authorship: text, photograph(s), compilation, editing, artwork.
Rights and Permissions: Roger Wertheimer, The Spectranetics Corporation, 9965 Federal Drive, Colorado Springs, CO, 80921, United States, (719) 633-8333, roger.wertheimer@spnc.com

LICENSES

The Company is party to license agreements under which the Company licenses patents covering certain aspects of the Company's products. For example, the Company has an amended vascular laser angioplasty catheter license agreement with SurModics, Inc., under which SurModics has granted the Company a worldwide non-exclusive license to use a lubricious coating that is applied to the Company's products using certain SurModics patents. The Company pays SurModics royalties as a specified percentage of net sales of products using its patents, subject to a quarterly minimum royalty. The license agreement expires on the later of the expiration of the last licensed patent or the fifteenth anniversary of the date a licensed product is first sold unless terminated earlier (1) by either party if the other party is involved with insolvency, dissolution or bankruptcy proceedings, (2) by the Company upon 90 days' advance written notice, or (3) by SurModics upon 60 days' advance written notice if the Company has failed to perform its obligations under the agreement and has not cured such breach during such 60-day period, or if the royalties the Company pays SurModics are not greater than specified levels. In 2016, the Company incurred royalties of approximately \$1.4 million to SurModics under this license agreement.

In December 2009, the Company entered into a license agreement with Peter Rentrop, M.D. As part of the agreement, the Company received a worldwide, exclusive license to certain patents and patent applications owned by Dr. Rentrop, which, in general, apply to laser catheters with a tip diameter less than one millimeter. The Company pays Dr. Rentrop royalties of a specified percentage of net sales of products using his patents subject to a quarterly minimum royalty. The license agreement expires in January 2020, unless terminated earlier in accordance with its terms. In 2016, the Company incurred royalties of approximately \$3.0 million to Dr. Rentrop under this license agreement.

In March 2010, AngioScore entered into a development and license agreement with InnoRa GmbH, Ulrich Speck and Bruno Scheller. As part of the agreement, AngioScore received an exclusive license to certain InnoRa intellectual property related to drug coatings of certain balloon catheters in the field of the treatment of coronary artery disease and peripheral arterial disease, and AngioScore obtained ownership of any new technology developed under the agreement. AngioScore pays InnoRa royalties of a specified percentage of net sales of products developed under the agreement. The exclusive rights granted by InnoRa are subject to AngioScore meeting certain milestones. If AngioScore does not satisfy the milestones, then the exclusive license rights will convert to a non-exclusive license, and AngioScore will license certain new technology developed under the agreement to InnoRa. In 2016, AngioScore incurred an immaterial amount in royalties under this license agreement.

SCHEDULE C

Released Trademarks

[See Attached]

EXHIBIT C

Trademarks

UNITED STATES ISSUED TRADEMARKS, SERVICE MARKS AND COLLECTIVE MEMBERSHIP MARKS

REGISTRATIONS ASSIGNED TO THE SPECTRANETICS CORPORATION

| <u>Mark</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|---------------------------|----------------------------|--------------------------|
| CVX-300 | 1,723,546 | October 13, 1992 |
| DESIGN (New Diamond Logo) | 4,638,019 | November 11, 2014 |
| ELCA | 1,823,660 | February 22, 1994 |
| GLIDELIGHT | 4,243,271 | November 13, 2012 |
| LLD | 2,922,727 | February 1, 2005 |
| LLD EZ | 3,562,200 | January 13, 2009 |
| QUICK-ACCESS | 4,522,960 | April 29, 2014 |
| QUICK-CROSS | 2,928,706 | May 1, 2005 |
| QUICK-CROSS CAPTURE | 4,548,605 | June 10, 2014 |
| SIGHTRAIL | 4,673,064 | January 13, 2015 |
| SLS | 3,072,724 | March 28, 2006 |
| SPECTRANETICS | 1,741,106 | December 22, 1992 |
| SPECTRANETICS | 4,708,930 | March 24, 2015 |
| SPECTRANETICS | 4,708,931 | March 24, 2015 |
| SPECTRANETICS (Stylized) | 1,717,853 | September 22, 1992 |
| SPNC | 3,737,800 | January 12, 2010 |
| TIGHTRAIL | 4,673,065 | January 13, 2015 |
| TIGHTRAIL MINI | 4,729,002 | April 28, 2015 |
| TORQMAX | 3,832,560 | August 10, 2010 |
| TURBO ELITE | 3,367,148 | January 8, 2008 |

| <u>Mark</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|---------------|----------------------------|--------------------------|
| TURBO-BOOSTER | 4,712,538 | March 31, 2015 |
| TURBO-TANDEM | 3,782,516 | April 27, 2010 |
| TURBO-TAPE | 4,814,469 | September 15, 2015 |
| VISISHEATH | 3,768,583 | March 30, 2010 |

REGISTRATIONS
ASSIGNED TO ANGIOSCORE INC.

| <u>Mark</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|-------------|----------------------------|--------------------------|
| ANGIOSCORE | 2,931,808 | March 8, 2005 |
| ANGIOSCULPT | 2,920,010 | January 18, 2005 |
| HYDROCROSS | 4,832,482 | October 13, 2015 |

APPLICATIONS
ASSIGNED TO THE SPECTRANETICS CORPORATION

| <u>Mark</u> | <u>Application Number</u> | <u>Application Filing Date</u> |
|---------------------------|---------------------------|--------------------------------|
| ALWAYS REACHING FARTHER | 85/687,837 | July 26, 2012 |
| BRIDGE | 86,721,317 | August 11, 2015 |
| BRIDGE TO SURGERY | 86,721,317 | August 11, 2015 |
| DESIGN (New Diamond Logo) | 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 |
| TURBO ELITE BTK | 86/441,590 | October 31, 2014 |
| TURBO-POWER | 86/701,531 | July 22, 2015 |
| TURBO-TAPE | 86/369,316 | August 18, 2014 |

EXHIBIT D

Mask Works

None.

UNITED STATES ISSUED TRADEMARKS, SERVICE MARKS
AND COLLECTIVE MEMBERSHIP MARKS

REGISTRATIONS
ASSIGNED TO THE SPECTRANETICS CORPORATION

| <u>Mark</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|---------------------------|----------------------------|--------------------------|
| BRIDGE | 5,110,715 | December 27, 2016 |
| CVX-300 | 1,723,546 | October 13, 1992 |
| DESIGN (New Diamond Logo) | 4,638,019 | November 11, 2014 |
| ELCA | 1,823,660 | February 22, 1994 |
| GLIDELIGHT | 4,243,271 | November 13, 2012 |
| LLD | 2,922,727 | February 1, 2005 |
| LLD EZ | 3,562,200 | January 13, 2009 |
| QUICK-ACCESS | 4,522,960 | April 29, 2014 |
| QUICK-CROSS | 2,928,706 | May 1, 2005 |
| QUICK-CROSS CAPTURE | 4,548,605 | June 10, 2014 |
| SIGHTRAIL | 4,673,064 | January 13, 2015 |
| SLS | 3,072,724 | March 28, 2006 |
| SPECTRANETICS | 1,741,106 | December 22, 1992 |
| SPECTRANETICS | 4,708,930 | March 24, 2015 |
| SPECTRANETICS | 4,708,931 | March 24, 2015 |
| SPECTRANETICS (Stylized) | 1,717,853 | September 22, 1992 |
| SPNC | 3,737,800 | January 12, 2010 |
| STELLAREX | 4,993,727 | July 5, 2016 |
| TIGHTRAIL | 4,673,065 | January 13, 2015 |
| TIGHTRAIL MINI | 4,729,002 | April 28, 2015 |
| TORQMAX | 3,832,560 | August 10, 2010 |
| TURBO ELITE | 3,367,148 | January 8, 2008 |
| TURBO-BOOSTER | 4,712,538 | March 31, 2015 |

| <u>Mark</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|--------------|----------------------------|--------------------------|
| TURBO-POWER | 4,966,361 | May 24, 2016 |
| TURBO-TANDEM | 3,782,516 | April 27, 2010 |
| TURBO-TAPE | 4,814,469 | September 15, 2015 |
| VISISHEATH | 3,768,583 | March 30, 2010 |

REGISTRATIONS
ASSIGNED TO ANGIOSCORE INC.

| <u>Mark</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|-------------|----------------------------|--------------------------|
| ANGIOSCORE | 2,931,808 | March 8, 2005 |
| ANGIOSCULPT | 2,920,010 | January 18, 2005 |
| HYDROCROSS | 4,832,482 | October 13, 2015 |

APPLICATIONS
ASSIGNED TO THE SPECTRANETICS CORPORATION

| <u>Mark</u> | <u>Application Number</u> | <u>Application Filing Date</u> |
|---------------------------|---------------------------|--------------------------------|
| ALWAYS REACHING FARTHER | 87/067,844 | June 10, 2016 |
| BRIDGE TO SURGERY | 86,721,317 | August 11, 2015 |
| DESIGN (New Diamond Logo) | 87/067,850 | June 10, 2016 |
| NETICS MEDICAL | 86/541,303 | February 20, 2015 |
| NEXCIMER | 86/926,277 | March 2, 2016 |
| SPECTRANETICS | 87/067,855 | June 10, 2016 |
| SPNC | 86/414,400 | October 3, 2014 |
| THOR | 87/353,486 | February 28, 2017 |
| TURBO ELITE BTK | 86/441,590 | October 31, 2014 |
| TURBO-HAMMER | 87/353,491 | February 28, 2017 |

TURBO-THOR

87/353,488

February 28, 2017

ENDURACOAT

86/278,131

May 12, 2014

APPLICATIONS
ASSIGNED TO ANGIOSCORE INC.

NONE

COLLECTIVE MEMBERSHIP MARKS

NONE

UNREGISTERED MARKS

NONE

UNITED STATES PATENTS

**UNITED STATES ISSUED PATENTS – ASSIGNED TO THE SPECTRANETICS
CORPORATION**

| <u>Title</u> | <u>Patent Number</u> | <u>Issue Date</u> |
|--|-----------------------------|--------------------------|
| ASSEMBLIES AND METHODS FOR ADVANCING A GUIDE WIRE THROUGH BODY TISSUE | 5,951,482 | 9/14/1999 |
| PHOTOTHERAPY DEVICE AND METHOD | 5,976,124 | 11/2/1999 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,048,349 | 4/11/2000 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,063,093 | 5/16/2000 |
| EXPANDABLE LASER CATHETER | 6,106,515 | 8/22/2000 |
| LEAD LOCKING DEVICE AND METHOD | 6,167,315 | 12/26/2000 |

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| ASSEMBLIES AND METHODS FOR ADVANCING A GUIDE WIRE THROUGH BODY TISSUE | 6,193,676 | 2/27/2001 |
| SYSTEM AND METHOD FOR CONTROLLING TISSUE ABLATION | 6,228,076 | 5/8/2001 |
| LIGHT DELIVERY CATHETER AND METHODS FOR THE USE THEREOF | 6,290,668 | 9/18/2001 |
| LEAD LOCKING DEVICE AND METHOD | 6,324,434 | 11/27/2001 |
| CATHETER FOR CONTROLLING THE ADVANCEMENT OF A GUIDE WIRE | 6,394,976 | 5/28/2002 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,463,313 | 10/8/2002 |
| EXPANDABLE LASER CATHETER | 6,485,485 | 11/26/2002 |
| SYSTEMS AND METHODS FOR STEERING A CATHETER THROUGH BODY TISSUE | 6,663,621 | 12/16/2003 |
| CATHETER HANDLE FOR CONTROLLING THE ADVANCEMENT OF A GUIDE WIRE | 6,752,800 | 6/22/2004 |
| LEAD LOCKING DEVICE AND METHOD | 6,772,014 | 8/3/2004 |
| METHOD AND APPARATUS FOR GUIDING A GUIDE WIRE | 6,842,639 | 1/11/2005 |
| RADIO FREQUENCY GUIDE WIRE ASSEMBLY WITH OPTICAL COHERENCE REFLECTOMETRY GUIDANCE | 6,852,109 | 2/8/2005 |
| DEFLECTING CATHETER | 6,951,554 | 10/4/2005 |
| SYSTEMS AND METHODS FOR GUIDING A MEDICAL INSTRUMENT THROUGH A BODY | 6,970,732 | 11/29/2005 |
| PROXIMAL COUPLER FOR OPTICAL FIBERS | 7,050,692 | 5/23/2006 |
| EXPANDABLE LASER CATHETER | 7,288,087 | 10/30/2007 |
| SHAPEABLE INTRALUMINAL DEVICE AND METHOD THEREFOR | 7,303,533 | 12/4/2007 |
| LEAD LOCKING DEVICE AND METHOD | 7,499,756 | 3/3/2009 |

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| RADIO FREQUENCY GUIDE WIRE ASSEMBLY WITH OPTICAL COHERENCE REFLECTOMETRY GUIDANCE | 7,563,262 | 7/21/2009 |
| APPARATUS AND METHODS FOR DIRECTIONAL DELIVERY OF LASER ENERGY | 7,572,254 | 8/11/2009 |
| ENDOCARDIAL LEAD CUTTING APPARATUS | 7,651,503 | 1/26/2010 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 7,666,161 | 2/23/2010 |
| APPARATUS AND METHODS FOR DIRECTIONAL DELIVERY OF LASER ENERGY | 7,846,153 | 12/7/2010 |
| SHAPEABLE INTRALUMINAL DEVICE AND METHOD THEREFOR | 7,951,094 | 5/31/2011 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 7,959,608 | 6/14/2011 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 7,976,528 | 7/12/2011 |
| ENDOCARDIAL LEAD REMOVING APPARATUS | 7,993,359 | 8/9/2011 |
| LOW-LOSS POLARIZED LIGHT DIVERSION | 8,059,274 | 11/15/2011 |
| ENDOCARDIAL LEAD REMOVING APPARATUS | 8,097,012 | 1/17/2012 |
| LASER CATHETER CALIBRATOR | 8,100,893 | 1/24/2012 |
| MULTI-PORT LIGHT DELIVERY CATHETER AND METHODS FOR THE USE THEREOF | 8,104,483 | 1/31/2012 |
| EXPANDABLE LASER CATHETER | 8,182,474 | 5/22/2012 |
| LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT | 8,414,568 | 4/9/2013 |
| LEAD LOCKING DEVICE AND METHOD | 8,428,747 | 4/23/2013 |
| EXPANDABLE LASER CATHETER | 8,465,480 | 6/18/2013 |
| CARDIOVASCULAR IMAGING SYSTEM | 8,545,488 | 10/1/2013 |

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| RAPID EXCHANGE BIAS LASER CATHETER DESIGN | 8,628,519 | 1/14/2014 |
| ECCENTRIC BALLOON LASER CATHETER | 8,702,773 | 4/22/2014 |
| LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT | 8,758,333 | 6/24/2014 |
| THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE | 8,920,402 | 12/30/2014 |
| REENTRY CATHETER AND METHOD THEREOF | 8,956,376 | 2/17/2015 |
| RETRACTABLE SEPARATING SYSTEM AND METHODS | 8,961,551 | 2/24/2015 |
| TAPERED LIQUID LIGHT GUIDE | 8,979,828 | 3/17/2015 |
| REENTRY CATHETER AND METHOD THEREOF | 8,998,936 | 4/7/2015 |
| TISSUE SEPARATING SYSTEMS AND METHODS | 9,028,520 | 5/12/2015 |
| INTRA-VASCULAR DEVICE WITH PRESSURE DETECTION CAPABILITIES USING PRESSURE SENSITIVE MATERIAL | 9,066,742 | 6/30/2015 |
| NEEDLE AND GUIDEWIRE HOLDER | 9,162,038 | 10/20/2015 |
| SNARING SYSTEMS AND METHODS | 9,220,523 | 12/29/2015 |
| EXPANDABLE LASER CATHETER | 9,254,175 | 2/9/2016 |
| LASER-ASSISTED GUIDEWIRE HAVING A VARIABLE STIFFNESS SHAFT | 9,283,039 | 3/15/2016 |
| DEVICE AND METHOD OF ABLATIVE CUTTING WITH HELICAL TIP | 9,283,040 | 3/15/2016 |
| INTRA-VASCULAR DEVICE WITH PRESSURE DETECTION CAPABILITIES USING PRESSURE SENSITIVE MATERIAL | 9,289,173 | 3/22/2016 |
| RETRACTABLE SEPARATING SYSTEMS AND METHODS | 9,289,226 | 3/22/2016 |
| ALARM FOR LEAD INSULATION ABNORMALITY | 9,291,663 | 3/22/2016 |

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| RAPID EXCHANGE BIAS LASER CATHETER DESIGN | 9,308,047 | 4/12/2016 |
| ASSISTED CUTTING BALLOON | 9,320,530 | 4/26/2016 |
| TAPERED LIQUID LIGHT GUIDE | 9,339,337 | 5/17/2016 |
| MATERIAL CAPTURING GUIDEWIRE | 9,345,508 | 5/24/2016 |
| EXPANDABLE MEMBER FOR PERFORATION OCCLUSION | 9,358,042 | 6/7/2016 |
| OFFSET CATHETER | 9,408,665 | 8/9/2016 |
| REENTRY CATHETER AND METHOD THEREOF | 9,408,998 | 8/9/2016 |
| TISSUE SLITTING METHODS AND SYSTEMS | 9,413,896 | 8/9/2016 |
| STABILIZATION DEVICE ASSISTED LEAD TIP REMOVAL | 9,421,035 | 8/23/2016 |
| LIQUID LIGHT-GUIDE CATHETER WITH OPTICALLY DIVERGING TIP | 9,421,065 | 8/23/2016 |
| LASER ABLATION CATHETER | 9,456,872 | 10/4/2016 |
| EXPANDABLE LASER CATHETER | 9,566,116 | 2/14/2017 |
| MEDICAL DEVICE FOR REMOVING AN IMPLANTED OBJECT | 9,603,618 | 3/28/2017 |
| CATHETER MOVEMENT CONTROL | 9,623,211 | 4/18/2017 |
| RADIOPAQUE TAPE | D740,946 | 10/13/2015 |
| RADIOPAQUE TAPE | D742,520 | 11/3/2015 |
| RADIOPAQUE TAPE | D742,521 | 11/3/2015 |
| RADIOPAQUE TAPE | D742,522 | 11/3/2015 |

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| RADIOPAQUE TAPE | D748,266 | 1/26/2016 |
| SHEATH | D753,289 | 4/5/2016 |
| SHEATH SET | D753,290 | 4/5/2016 |
| MEDICAL DEVICE HANDLE | D765,243 | 8/30/2016 |
| MEDICAL DEVICE HANDLE | D770,616 | 11/1/2016 |
| MEDICAL DEVICE HANDLE | D775,728 | 1/3/2017 |

UNITED STATES ISSUED PATENTS – ASSIGNED TO ANGIOSCORE INC.

| <u>Title</u> | <u>Patent Number</u> | <u>Issue Date</u> |
|--|----------------------|-------------------|
| FACILITATED BALLOON CATHETER EXCHANGE | 7,022,104 | 4/4/2006 |
| FACILITATED BALLOON CATHETER EXCHANGE | 7,513,886 | 4/7/2009 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 7,686,824 | 3/30/2010 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 7,691,119 | 4/6/2010 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 7,931,663 | 4/26/2011 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 7,955,350 | 6/7/2011 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 8,080,026 | 12/20/2011 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 8,454,636 | 6/4/2013 |

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| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 8,632,559 | 1/21/2014 |
| APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS | 8,721,667 | 5/13/2014 |
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 8,864,743 | 10/21/2014 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,011,896 | 4/21/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,072,812 | 7/7/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,078,951 | 7/14/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,101,684 | 8/11/2015 |
| COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS | 9,173,977 | 11/3/2015 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 9,351,756 | 5/31/2016 |
| METHOD AND SYSTEM FOR TREATING VALVE STENOSIS | 9,364,254 | 6/14/2016 |
| BALLOON CATHETER WITH NON-DEPLOYABLE STENT | 9,375,328 | 6/28/2016 |
| METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS | 9,586,031 | 3/7/2017 |

**UNITED STATES PATENT APPLICATIONS
ASSIGNED TO THE SPECTRANETICS CORPORATION**

| <u>Title</u> | <u>Serial Number</u> | <u>Filing Date</u> |
|--|----------------------|--------------------|
| ENDOCARDIAL LEAD CUTTING APPARATUS | 11/187,553 | 1/22/2005 |
| LIQUID LIGHT GUIDE CATHETER HAVING BIOCOMPATIBLE LIQUID LIGHT GUIDE MEDIUM | 11/923,488 | 10/24/2007 |