

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7795249

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANGIOSCORE LLC	12/31/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SPECTRANETICS LLC
<b>Street Address:</b>	9965 FEDERAL DRIVE
<b>City:</b>	COLORADO SPRINGS
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80921
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13489250
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	2033515705
<b>Email:</b>	patti.demichele@philips.com
<b>Correspondent Name:</b>	PHILIPS IP&S
<b>Address Line 1:</b>	1600 SUMMER STREET
<b>Address Line 2:</b>	5TH FLOOR
<b>Address Line 4:</b>	STAMFORD, CONNECTICUT 06905
<b>ATTORNEY DOCKET NUMBER:</b>	2001P03250US03
<b>NAME OF SUBMITTER:</b>	PATTI DEMICHELE
<b>SIGNATURE:</b>	/Patti DeMichele/
<b>DATE SIGNED:</b>	02/14/2023
<b>Total Attachments: 9</b>	
source=ASSIGNMENT-Angioscore-to-Spectranetics-#page1.tif	
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Deed of Assignment

This DEED OF ASSIGNMENT is made as of the 31<sup>st</sup> day of December, 2022.

BETWEEN

Angioscore LLC, a Delaware limited liability company, having its current principal business address at 9965 Federal Drive, Colorado Springs, CO 80921 ("Assignor") and an active registered office at 251 Little Falls Drive, Wilmington, DE 19808 through December 31, 2022. Upon dissolution, the Angioscore LLC no longer has a registered address.

and

Spectranetics LLC, a Delaware limited liability company, having its current principal business address at 9965 Federal Drive, Colorado Springs, CO 80921 ("Assignee").

This Deed of Assignment is to confirm the following:

Assignor possesses a legal interest in patents and patent applications listed in the Annex, any and all continuations, divisionals, renewals, substitutes, re-examinations or reissue applications of these patents and patent applications, and all rights of priority arising from these patents and patent applications (collectively: "the Patents");

Assignor and Assignee, have entered into this Deed of Assignment dated December 31, 2022 (the "Assignment");

In consideration of a sum of or equivalent to at least one U.S. Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has, effective as of December 31, 2022, assigned to Assignee all right, title and interest in and to the Patents;


And Assignee has accepted said assignment.

Assignor hereby grants full power of attorney to Assignee to submit this Deed of Assignment, including the Annex, to the appropriate authorities, and to request those authorities to record the assignment of the legal title to the Assigned Patents from Assignor to Assignee in the appropriate registers.

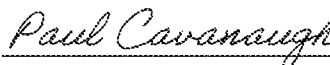
IN WITNESS WHEREOF, Assignor and Assignee execute this Assignment and is made effective as of the date above. Assignor and Assignee represent that the person who signs this Assignment below is fully authorized to sign the Assignment on behalf of such party.

ANGIOSCORE LLC

SPECTRANETICS LLC



Name: Joseph E. Innamorati  
Title: Vice President



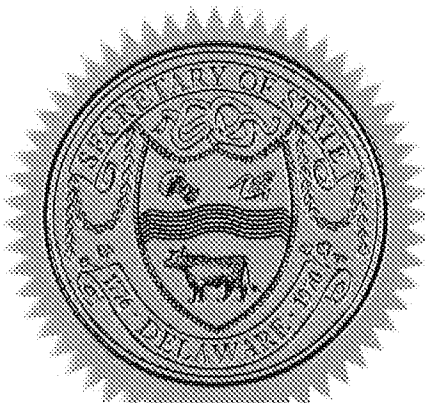
Name: Paul Cavanaugh  
Title: Vice President

# Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "ANGIOSCORE INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "ANGIOSCORE INC." TO "ANGIOSCORE LLC", FILED IN THIS OFFICE ON THE FIFTEENTH DAY OF MAY, A.D. 2018, AT 5:15 O'CLOCK P.M.



  
Jeffrey W. Bullock, Secretary of State

3632456 8100V  
SR# 20213051406

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

Authentication: 203983768  
Date: 08-23-21

**PATENT**  
**REEL: 062687 FRAME: 0818**

STATE OF DELAWARE  
CERTIFICATE OF CONVERSION  
FROM A CORPORATION TO A  
LIMITED LIABILITY COMPANY PURSUANT TO  
SECTION 18-214 OF THE LIMITED LIABILITY ACT

- 1.) The jurisdiction where the Corporation first formed is Delaware.
- 2.) The jurisdiction immediately prior to filing this Certificate is Delaware.
- 3.) The date the corporation first formed is March 5, 2003.
- 4.) The name of the Corporation immediately prior to filing this Certificate is Angioscore Inc.
- 5.) The name of the Limited Liability Company as set forth in the Certificate of Formation is Angioscore LLC.

IN WITNESS WHEREOF, the undersigned have executed this Certificate on the  
15th day of May, A.D. 2018

By:   
Authorized Person

Name: Joseph E. Innamorati, VP  
Print or Type

## Annex

Type IP right	Philips' reference	Jurisd.	Title	Application No	Grant date/ Registration date	Grant No/ Registration No	Owner
Patent	2001P03250 US02	US	BALLOON CATHETER WITH NON-DEPLOYABLE STENT	13/022489	2018-okt-02	10086178	AngioScore, Inc.
Patent	2001P03250 US03	US	BALLOON CATHETER WITH NON-DEPLOYABLE STENT	13/489250			AngioScore, Inc.
Patent	2001P03250 US04	US	BALLOON CATHETER WITH NON-DEPLOYABLE STENT	12/694163	2016-jun-28	9375328	AngioScore, Inc.
Patent	2001P03250WEDE01	DE	BALLOON CATHETER WITH NON-DEPLOYABLE STENT; BALLOON CATHETER WITH NON-DEPLOYABLE STENT	04782334	2009-sep-23	60 2004 023 30	AngioScore, Inc.
Patent	2001P03250WEGB01	GB	BALLOON CATHETER WITH NON-DEPLOYABLE STENT; BALLOON CATHETER WITH NON-DEPLOYABLE STENT	04782334	2009-sep-23	EP 1659989 B1	AngioScore, Inc.
Patent	2001P03250WQUS	US	Balloon catheter with non-deployable stent; BALLOON CATHETER WITH NON-DEPLOYABLE STENT	10/399589	2010-apr-06	US 7691119 B2	AngioScore, Inc.
Patent	2001P03250WQUS01	US	Balloon catheter with non-deployable stent; BALLOON CATHETER WITH NON-DEPLOYABLE STENT	11/292426	2011-apr-26	US 7931663 B2	AngioScore, Inc.
Patent	2003P03225 US01	US	Apparatus and methods for treating hardened vascular lesions; APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	10/631499	2010-mrt-30	US 7686824 B2	AngioScore, Inc.
Patent	2003P03225 US04	US	Apparatus and methods for treating hardened vascular lesions; APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	10/917917	2011-dec-20	US 8080026 B2	AngioScore, Inc.
Patent	2003P03225 US05	US	APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS; APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	13/292716	2013-jun-04	US 8454636 B2	AngioScore, Inc.
Patent	2003P03225 US06	US	Apparatus And Methods For Treating Hardened Vascular Lesions; APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	13/841755	2014-mei-13	US 8721667 B2	AngioScore, Inc.

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Type IP right	Philips' reference	Jurisd.	Title	Application No	Grant date/ Registration date	Grant No/ Registration No	Owner
Patent	2003P03225 US07	US	Apparatus and Methods for Treating Hardened Vascular Lesions; APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	14/275264	2018-mei-08	9962529	AngioScore, Inc.
Patent	2003P03225 US08	US	APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS; APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	15/938909	2020-jul-28	10722694	AngioScore, Inc.
Patent	2003P03225WEDE	DE	APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	04700369.4	2018-dec-05	60 2004 053 50	AngioScore, Inc.
Patent	2003P03225WEDE03	DE	APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	05733012.8	2020-jul-29	60 2005 056 93	AngioScore, Inc.
Patent	2003P03225WEGB	GB	APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	04700369.4	2018-dec-05	1587428	AngioScore, Inc.
Patent	2003P03225WEGB03	GB	APPARATUS AND METHODS FOR TREATING HARDENED VASCULAR LESIONS	05733012.8	2020-jul-29	1740105	AngioScore, Inc.
Patent	2003P03226 US01	US	Facilitated balloon catheter exchange; FACILITATED BALLOON CATHETER EXCHANGE	10/775357	2006-apr-04	US 7022104 B2	AngioScore, Inc.
Patent	2003P03226WQUS	US	Facilitated balloon catheter exchange; FACILITATED BALLOON CATHETER EXCHANGE	11/397583	2009-apr-07	US 7513886 B2	AngioScore, Inc.
Patent	2005P03356 US01	US	Methods and systems for delivering substances into luminal walls; METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS	11/411635	2018-sep-18	10076641	AngioScore, Inc.
Patent	2005P03356 US02	US	Methods and systems for delivering substances into luminal walls; METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS	13/707401	2014-okt-21	US 8864743 B2	AngioScore, Inc.
Patent	2005P03356 US03	US	Methods And Systems For Delivering Substances Into Luminal Walls ; METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS	13/842080	2017-mrt-07	US 9586031 B2	AngioScore, Inc.
Patent	2005P03356 US05	US	METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS	16/434,205	2022-aug-23	11420030	AngioScore, Inc.

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Patent	2005P03356WEDE	DE	METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS	06770116.9	2019-dec-11	60 2006 058 93	AngioScore, Inc.
Patent	2005P03356WEGB	GB	METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS	06770116.9	2019-dec-11	1885431	AngioScore, Inc.
Patent	2005P03356WOJP	JP	METHODS AND SYSTEMS FOR DELIVERING SUBSTANCES INTO LUMINAL WALLS	2008511263	2012-jul-18	JP 4977692 B2	AngioScore, Inc.
Patent	2010P01537 CN	CN	Improved coating formulations for scoring or cutting balloon catheters; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	201510083319.X	2017-apr-12	CN 104689377	AngioScore, Inc.
Patent	2010P01537 JP	JP	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	2014228540	2016-aug-19	JP 5989064 B2	AngioScore, Inc.
Patent	2010P01537 US01	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	13/628608	2015-apr-21	9011896	AngioScore, Inc.
Patent	2010P01537 US02	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	13/975220	2015-jul-07	9072812	AngioScore, Inc.
Patent	2010P01537 US03	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	13/975209	2015-jul-14	9078951	AngioScore, Inc.
Patent	2010P01537 US04	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	13/975228	2015-aug-11	9101684	AngioScore, Inc.
Patent	2010P01537 US05	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	14/731715	2018-aug-14	10046092	AngioScore, Inc.
Patent	2010P01537 US06	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	14/877284	2017-sep-26	9770536	AngioScore, Inc.



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Patent	2010P01537 US07	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	15/664941	2019-jun-11	10314947	AngioScore, Inc.
Patent	2010P01537 US08	US	COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	16/102497	2019-aug-20	10383982	AngioScore, Inc.
Patent	2010P01537 US09	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	16/412151	2019-nov-12	10471184	AngioScore, Inc.
Patent	2010P01537 US10	US	METHOD OF COATING SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	16/444,170	2020-mrt-10	10583225	AngioScore, Inc.
Patent	2010P01537EP 01	EPO	A balloon catheter for angioplasty and coronary angioplasty and a method of manufacturing the balloon catheter; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	15154223.0	2023-jan-11	2886137	AngioScore, Inc.
Patent	2010P01537EP 02	EPO	A Coated Angioplasty or Coronary Angioplasty Catheter; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	15154222.2	2022-dec-14	2886136	AngioScore, Inc.
Patent	2010P01537WEDE	DE	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	10775805.4	2015-mrt-18	602010023 236	AngioScore, Inc.
Patent	2010P01537WEDE03	DE	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	11714589.6	2015-jun-10	602011017054	AngioScore, Inc.

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Patent	2010P01537WEGB	GB	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	10775805.4	2015-mrt-18	EP 2560697 B1	AngioScore, Inc.
Patent	2010P01537WEGB0	GB	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	11714589.6	2015-jun-10	EP 2593150 B1	AngioScore, Inc.
Patent	2010P01537WOCN	CN	Improved coating formulations for scoring or cutting balloon catheters; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	201080066293.3	2015-mrt-25	CN 102958544	AngioScore, Inc.
Patent	2010P01537WOJP	JP	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	2013505347	2015-mei-15	JP 5745030 B2	AngioScore, Inc.
Patent	2010P01537WOUS0	US	IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS; IMPROVED COATING FORMULATIONS FOR SCORING OR CUTTING BALLOON CATHETERS	13/628627	2015-nov-03	9173977	AngioScore, Inc.
Patent	2010P01538 US01	US	METHOD AND SYSTEM FOR TREATING VALVE STENOSIS; METHOD AND SYSTEM FOR TREATING VALVE STENOSIS	13/236449	2014-jan-21	US 8632559 B2	AngioScore, Inc.
Patent	2010P01538 US02	US	METHOD AND SYSTEM FOR TREATING VALVE STENOSIS; METHOD AND SYSTEM FOR TREATING VALVE STENOSIS	13/894613	2016-jun-14	US 9364254 B2	AngioScore, Inc.
Patent	2010P01538 US03	US	Method and system for treating valve stenosis; METHOD AND SYSTEM FOR TREATING VALVE STENOSIS	14/010754	2016-mei-31	US 9351756 B2	AngioScore, Inc.
Patent	2010P01538 US04	US	METHOD AND SYSTEM FOR TREATING VALVE STENOSIS; METHOD AND SYSTEM FOR TREATING VALVE STENOSIS	15/164611	2020-aug-11	10736652	AngioScore, Inc.
Patent	2010P01538WEDE	DE	METHOD AND SYSTEM FOR TREATING VALVE STENOSIS	11827369.7	2022-apr-27	60 2011 072 B1	AngioScore, Inc.
Patent	2010P01538WEGB	GB	METHOD AND SYSTEM FOR TREATING VALVE STENOSIS	11827369.7	2022-apr-27	2618744	AngioScore, Inc.

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Patent	2010P01538WOJP	JP	METHOD AND SYSTEM FOR TREATING VALVE STENOSIS	2013529419	2016-okt-21	JP 6025729 B2	AngioScore, Inc.
Patent	2013P02513 US	US	BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY; BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY	14/048955	2018-nov-06	10117668	AngioScore, Inc.
Patent	2013P02513 US01	US	BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY; BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY	15/373933	2019-nov-26	10485571	AngioScore, Inc.
Patent	2013P02513WE	EPO	BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY; BALLOON CATHETER WITH NON-DEPLOYABLE STENT HAVING IMPROVED STABILITY	14852692.4			AngioScore, Inc.
Patent	2015P01854 US01	US	TRIGGERED RELEASE MECHANISM TO IMPROVE EFFICACY OF DRUG COATED BALLOONS; TRIGGERED RELEASE MECHANISM TO IMPROVE EFFICACY OF DRUG COATED BALLOONS	15/282579			AngioScore, Inc.
Patent	2015P01862 US01	US	BALLOON ANGIOPLASTY CATHETER COATING TO ENCOURAGE VESSEL REPAIR AND FURTHER REDUCE RESTENOSIS; BALLOON ANGIOPLASTY CATHETER COATING TO ENCOURAGE VESSEL REPAIR AND FURTHER REDUCE RESTENOSIS.	15/354237			AngioScore, Inc.