

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5363512

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
LAWRENCE A TREBON		02/04/2019
RECEIVING PARTY DATA		
Name:	VASCULAR IMAGING CORPORATION	
Street Address:	3035 PROSPECT PARK DR.	
Internal Address:	SUITE 40	
City:	RANCHO CORDOVA	
State/Country:	CALIFORNIA	
Postal Code:	95670	
PROPERTY NUMBERS Total: 31		
Property Type	Number	
Patent Number:	6659957	
Patent Number:	7245789	
Patent Number:	7599588	
Patent Number:	7447388	
Patent Number:	8926519	
Patent Number:	7660492	
Patent Number:	8560048	
Patent Number:	7881573	
Patent Number:	8583218	
Patent Number:	8059923	
Patent Number:	8320723	
Patent Number:	8391652	
Patent Number:	8861908	
Patent Number:	8731340	
Patent Number:	9078561	
Patent Number:	9533123	
Patent Number:	9192307	
Patent Number:	9198581	
Patent Number:	9532766	

PATENT

Property Type	Number
Patent Number:	9579026
Patent Number:	9339192
Patent Number:	9557490
Application Number:	13902334
Application Number:	14045189
Application Number:	14104069
Application Number:	14549287
Application Number:	14403935
Application Number:	14774654
Application Number:	14949605
Application Number:	15026521
Application Number:	15368338

CORRESPONDENCE DATA

Fax Number: (612)642-8407

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.

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Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	2018-0956
NAME OF SUBMITTER:	LAWRENCE A. TREBON
SIGNATURE:	/Lawrence A. Trebon/
DATE SIGNED:	02/06/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 7

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NOTICE OF RELEASE OF SECURITY INTEREST IN PATENTS

This Notice of Release of Security Interest in Patents is given as of this 4th day of February, 2019 (this "Release") by Lawrence A. Trebon, in his capacity as collateral agent (the "Agent") of (a) certain investors who provided financing to Vascular Imaging Corporation, a Delaware corporation ("Debtor"), and (b) certain participants in Debtor's 2017 Compensation Reduction and Bonus Program (collectively the "Secured Parties"). The Agent's principal place of business is 788 North Jefferson Street, Suite 650, Milwaukee, Wisconsin 53202. The Agent claimed and held a security interest in and to all of the patents listed on Exhibit 1, and all of the applications and registrations associated therewith, together with all proceeds thereof, of Debtor, with its registered address of business at 3035 Prospect Park Dr., Suite 40, Rancho Cordova, California 95670. The liens will be paid in full or have otherwise been satisfied.

NOW THEREFORE, for and in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Agent hereby declares that said liens are hereby DISCHARGED, RELEASED AND TERMINATED, and the recording officer in the U.S. Patent and Trademark Office is hereby authorized to cancel said liens of record.

IN WITNESS WHEREOF, the Agent has executed this Release by its duly authorized officer on the date first written above.

**Lawrence A. Trebon, in his capacity as collateral
agent for the Secured Parties**



Lawrence A. Trebon

Vascular Imaging Corporation List of Patents as of April 5, 2017

Type	Title	Country	Filing Date	Application Number	Status	Patent Number	Grant Date
Issued							
Utility - ORG	OPTICAL-ACOUSTIC IMAGING DEVICE	United States of America	Jun 11, 2002	09/623,248	Issued	6,659,957	Dec 9, 2003
Utility - ORG	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Oct 7, 2002	10/266,082	Issued	7,245,789	Jul 17, 2007
Utility - ORG	OPTICAL IMAGING PROBE CONNECTOR	United States of America	Nov 22, 2005	11/285,499	Issued	7,599,588	Oct 6, 2009
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Feb 13, 2007	11/674,568	Issued	7,447,388	Nov 4, 2008
Utility - CON	OPTICAL-ACOUSTIC IMAGING DEVICE	United States of America	Jan 28, 2008	12/020,736	Issued	8,926,519	Jan 6, 2015
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Nov 3, 2008	12/263,978	Issued	7,660,492	Feb 9, 2010
Utility - NPREG	OPTICAL ULTRASOUND RECEIVER	United States of America	Oct 1, 2009	12/571,724	Issued	8,560,048	Oct 15, 2013
Utility - CON	OPTICAL IMAGING PROBE CONNECTOR	United States of America	Oct 2, 2009	12/572,511	Issued	7,881,573	Feb 1, 2011
Utility - NPREG	OPTICAL IMAGING PROBE CONNECTOR	United States of America	Oct 30, 2009	12/609,123	Issued	8,583,218	Nov 12, 2013
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Feb 5, 2010	12/701,228	Issued	8,059,923	Nov 15, 2011

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Type	Title	Country	Filing Date	Application Number	Status	Patent Number	Grant Date
Utility - CON	OPTICAL IMAGING PROBE CONNECTOR	United States of America	Jan 31, 2011	13/017,354	Issued	8,320,723	Nov 27, 2012
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Oct 31, 2011	13/285,551	Issued	8,391,652	Mar 5, 2013
Utility - CON	OPTICAL IMAGING PROBE	United States of America	Nov 26, 2012	13/685,048	Issued	8,861,908	Oct 14, 2014
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Feb 28, 2013	13/779,985	Issued	8,731,340	May 20, 2014
Utility - CON	OPTICAL ULTRASOUND RECEIVER	United States of America	Oct 14, 2013	14/053,421	Issued	9,078,561	Jul 14, 2015
Utility - DIV	OPTICAL IMAGING PROBE CONNECTOR METHOD BY DEFORMING A CROSS SECTION AND CUTTING AT AN OBLIQUE ANGLE	United States of America	Oct 15, 2013	14/054,138	Issued	9,533,123	Jan 3, 2017
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	May 16, 2014	14/280,327	Issued	9,192,307	Nov 24, 2015
Utility - CON	OPTICAL IMAGING PROBE	United States of America	Sep 18, 2014	14/490,464	Issued	9,198,581	Dec 1, 2015
Utility - CON	OPTICAL-ACOUSTIC IMAGING DEVICE	United States of America	Dec 19, 2014	14/577,980	Issued	9,532,766	Jan 3, 2017
Utility - CON	OPTICAL ULTRASOUND RECEIVER	United States of America	Jul 10, 2015	14/796,767	Issued	9,579,026	Feb 28, 2017

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Type	Title	Country	Filing Date	Application Number	Status	Patent Number	Grant Date
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Aug 26, 2015	14/836,705	Issued	9,339,192	May 17, 2016
Utility - CON	OPTICAL IMAGING PROBE	United States of America	Nov 25, 2015	14/952,690	Issued	9,557,490	Jan 31, 2017
Pending							
Utility - NPREG	OPTICAL FIBER PRESSURE SENSOR GUIDEWIRE	United States of America	May 24, 2013	13/902,334	Pending		
Utility - NPNEW	POLARIZATION SCRAMBLING FOR INTRA-BODY FIBER OPTIC SENSOR	United States of America	Oct 3, 2013	14/045,189	Pending		
Utility - NPREG	NOISE SUBTRACTION FOR INTRA-BODY FIBER OPTIC SENSOR	United States of America	Dec 12, 2013	14/104,069	Pending		
Utility - NPREG	OPTICAL FIBER PRESSURE SENSOR	United States of America	Nov 20, 2014	14/549,287	Pending		
Utility - NSPCT	OPTICAL FIBER PRESSURE SENSOR	United States of America	Nov 25, 2014	14/403,935	Pending		
Utility - NSPCT	OPTICAL FIBER RIBBON IMAGING GUIDEWIRE AND METHODS	United States of America	Sep 10, 2015	14/774,654	Pending		
Utility - NPREG	OPTICAL FIBER PRESSURE SENSOR	United States of America	Nov 23, 2015	14/949,605	Pending		
Utility - NSPCT	IMAGING TECHNIQUES USING AN IMAGING GUIDEWIRE	United States of America	Mar 31, 2016	15/026,521	Pending		

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Type	Title	Country	Filing Date	Application Number	Status	Patent Number	Grant Date
Utility - CON	OPTICAL IMAGING PROBE CONNECTOR METHOD BY DEFORMING A CROSS SECTION AND CUTTING AT AN OBLIQUE ANGLE	United States of America	Dec 2, 2016	15/368,338	Pending		
Closed							
Prov - ORG	SYSTEMS, AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America			Closed		
Prov - ORG	OPTICAL FIBER COATING METHOD AND APPARATUS	United States of America			Closed		
Prov - ORG	FIBER AND FBG DESIGN CONSIDERATIONS	United States of America			Closed		
Prov - ORG	SPLIT OPTICAL SYSTEM CONNECTOR AND ALIGNMENT DEVICE	United States of America			Closed		
Being Allowed to Lapse							
Utility - CON	OPTICAL-ACOUSTIC IMAGING DEVICE	United States of America	Oct 14, 2003	10/685,226	Issued; being allowed to lapse	7,527,594	May 5, 2009
Utility - NSPCT	GUIDEWIRE TORQUE HANDLE	United States of America	Feb 3, 2016	14/909,937	Pending; being allowed to lapse		
Lapsed; Expired; Abandoned							
Prov - ORG	Fiber Optic Based Ultrasound Imaging Catheter	United States of America	Mar 5, 1998	60/076,862	Expired		
Prov - ORG	OPTICAL ULTRASOUND RECEIVER	United States of America	Oct 2, 2008	61/102,216	Expired		
Prov - ORG	OPTICAL IMAGING PROBE CONNECTOR	United States of America	Oct 31, 2008	61/110,345	Expired		

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Type	Title	Country	Filing Date	Application Number	Status	Patent Number	Grant Date
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR GUIDEWIRE	United States of America	May 25, 2012	61/651,832	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR GUIDEWIRE	United States of America	Jun 14, 2012	61/659,596	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR GUIDEWIRE	United States of America	Oct 4, 2012	61/709,781	Expired		
Prov - ORG	POLARIZATION SCRAMBLING FOR INTRA-BODY FIBER OPTIC SENSOR	United States of America	Oct 4, 2012	61/709,700	Expired		
Prov - ORG	NOISE SUBTRACTION FOR INTRA-BODY FIBER OPTIC SENSOR	United States of America	Dec 14, 2012	61/737,299	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR GUIDEWIRE	United States of America	Jan 16, 2013	61/753,221	Expired		
Prov - ORG	OPTICAL FIBER RIBBON IMAGING GUIDEWIRE AND METHODS	United States of America	Mar 14, 2013	61/783,716	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR GUIDEWIRE	United States of America	Mar 15, 2013	61/791,486	Expired		
Prov - ORG	GUIDEWIRE TORQUE HANDLE	United States of America	Aug 5, 2013	61/862,184	Expired		
Prov - ORG	IMAGING TECHNIQUES USING AN IMAGING GUIDEWIRE	United States of America	Oct 4, 2013	61/886,965	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR	United States of America	Nov 21, 2013	61/906,956	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR	United States of America	Feb 11, 2014	61/938,558	Expired		

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Type	Title	Country	Filing Date	Application Number	Status	Patent Number	Grant Date
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR	United States of America	Jun 24, 2014	62/016,379	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR	United States of America	Nov 24, 2014	62/083,799	Expired		
Prov - ORG	OPTICAL FIBER PRESSURE SENSOR	United States of America	Oct 9, 2015	62/239,624	Expired		
Utility - CON	SYSTEMS AND METHODS FOR MINIMALLY-INVASIVE OPTICAL-ACOUSTIC IMAGING	United States of America	Apr 7, 2016	15/093,493	Abandoned		