

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5431105

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
SONARMED INC.	03/19/2019
RECEIVING PARTY DATA	
Name:	UNITED STATES SURGICAL CORPORATION
Street Address:	MEDTRONIC OPERATIONAL HEADQUARTERS
Internal Address:	710 MEDTRONIC PARKWAY
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55432-5604
PROPERTY NUMBERS Total: 13	
Property Type	Number
Application Number:	61606679
Application Number:	61617249
Application Number:	62300197
Application Number:	62343476
Application Number:	15081847
Application Number:	62138840
Application Number:	15610360
Application Number:	15623666
Application Number:	62541491
Application Number:	16054734
Patent Number:	9498590
Patent Number:	10071214
Patent Number:	9707363
CORRESPONDENCE DATA	
Fax Number:	(612)492-7077
<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:	6124927545
Email:	dmday@fredlaw.com, IP@fredlaw.com

Correspondent Name: DEBORAH L. MADAY
Address Line 1: FREDRIKSON & BYRON, P.A.
Address Line 2: 200 SOUTH SIXTH STREET, SUITE 4000
Address Line 4: MINNEAPOLIS, MINNESOTA 55402-1425

ATTORNEY DOCKET NUMBER: 000539.0962

NAME OF SUBMITTER: DEBORAH L. MADAY

SIGNATURE: /Deborah L. Maday/

DATE SIGNED: 03/20/2019

Total Attachments: 7

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EXECUTION VERSION

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, restated, supplemented or otherwise modified, this "Agreement") is entered into as of March 19, 2019 by and between SONARMED INC., a Delaware corporation ("Grantor") and UNITED STATES SURGICAL CORPORATION, a Delaware corporation ("Lender").

RECITALS

A. Lender and Grantor are entering into a Security Agreement as of the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"). Defined terms used herein without definition shall have the meanings set forth in the Security Agreement.

B. The Obligations are secured by the Collateral, as defined in the Security Agreement, including without limitation, all of Grantor's Patents, Trademarks and Copyrights (collectively, "Intellectual Property").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, Grantor and Lender hereby agree:

AGREEMENT

To secure the Obligations, Grantor grants Lender a security interest in all of Grantor's right, title and interest in its Intellectual Property. Grantor hereby confirms that the attached schedules of Grantor's copyright, patent and trademark applications and registrations, which are registered or filed with the United States Patent and Trademark Office or the United States Copyright Office, as applicable, attached hereto as Exhibits A, B and C hereto, respectively, are complete and accurate as of the date hereof.

Grantor hereby authorizes Lender to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property which Grantor obtains subsequent to the date of this Agreement, and (b) file a duplicate of this Agreement containing amended exhibits reflecting such new Intellectual Property.

This Agreement shall be exclusively (without regard to any rules or principles relating to conflicts of laws) governed by, enforced and construed in accordance with the laws of the state of Delaware and the federal laws of the United States applicable therein. This Agreement may be executed in counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

SONARMED INC.

By: Tom Bumgardner

Name: Tom Bumgardner

Title: Chief Executive Officer & President

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

LENDER:

UNITED STATES SURGICAL CORPORATION

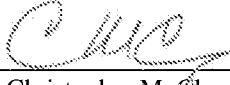
By:  _____
Name: Christopher M. Cleary
Title: Vice President

EXHIBIT A

Copyrights

<u>Description</u>	<u>Registration Number</u>	<u>Registration Date</u>
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None.

EXHIBIT B**Patents****APPLICATIONS**

TITLE	COUNTRY OR JURISDICTION	APPLN. NO.	FILING DATE	PUB NUMBER	PUB DATE
LEAK DETECTION SYSTEM AND METHOD FOR TUBE OR CATHETER PLACEMENT	United States	61/606,679	3/5/2012	N/A	N/A
SYSTEM AND METHOD FOR USE OF ACOUSTIC REFLECTOMETRY INFORMATION IN VENTILATION DEVICES	United States	61/617,249	3/29/2013	N/A	N/A
ACOUSTIC REFLECTOMETRY DEVICE IN CATHETERS	United States	62/300,197	2/26/2016	N/A	N/A
ACOUSTIC REFLECTOMETRY DEVICE IN CATHETERS	United States	62/343,476	5/31/2016	N/A	N/A
IMPROVED ACOUSTICAL GUIDANCE AND MONITORING SYSTEM	United States	15/081,847	3/26/2016	US20160279366A1	9/29/2016
ACOUSTIC REFLECTOMETRY DEVICE	United States	62/138,840	3/26/2015	N/A	N/A
ACOUSTIC REFLECTOMETRY DEVICE IN CATHETERS	United States	15/610,360	5/31/2017	US20170340522A1	11/30/2017
SYSTEM AND METHOD FOR USE OF ACOUSTIC REFLECTOMETRY INFORMATION IN VENTILATION DEVICES	United States	15/623,666	6/15/2017	US20170281887A1	10/5/2017
ACOUSTIC	United States	62/541,4	8/4/2018	N/A	N/A

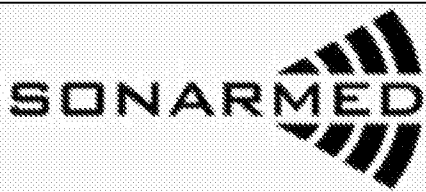

TITLE	COUNTRY OR JURISDICTION	APPLN. NO.	FILING DATE	PUB NUMBER	PUB DATE
GUIDED SUCTION SYSTEMS, DEVICES, AND METHODS		91			
ACOUSTIC GUIDED SUCTION SYSTEMS, DEVICES, AND METHODS	United States	16/054,734	8/3/2018	N/A	N/A

PATENTS

TITLE	APPLN. NO.	FILING DATE	PATENT NUMBER	PATENT DATE
LEAK DETECTION SYSTEM AND METHOD FOR TUBE OR CATHETER PLACEMENT	13/783,916	3/4/2013	9,498,590	11/22/2016
LEAK DETECTION SYSTEM AND METHOD FOR TUBE OR CATHETER PLACEMENT	15/336,186	10/27/2016	10,071,214	9/11/2018
SYSTEM AND METHOD FOR USE OF ACOUSTIC REFLECTOMETRY INFORMATION IN VENTILATION DEVICES	13/853,252	3/29/2013	9,707,363	7/18/2017
SYSTEM FOR USE OF ACOUSTIC REFLECTOMETRY INFORMATION IN VENTILATION DEVICES	13770312.0	3/29/2013	EP2830497B1	5/10/2018

EXHIBIT C

Trademarks

Mark	Application Number	Application Date	Registration Number	Registration Date
SONARMED	77062627	12/12/2006	3861180	10/12/2010
	77062638	12/12/2006	3864731	10/19/2010 Note: CANCELLED
AIRWAVE	87206268	10/17/2016	5320893	10/31/2017
	87206267	10/17/2016	5209179	5/23/2017