

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7797636

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
SURGICAL INFORMATION SCIENCES, INC.	12/14/2022
RECEIVING PARTY DATA	
Name:	MEDTRONIC, INC.
Street Address:	MEDTRONIC OPERATIONAL HEADQUARTERS
Internal Address:	710 MEDTRONIC PARKWAY
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55432-5604
PROPERTY NUMBERS Total: 7	
Property Type	Number
Patent Number:	9600778
Patent Number:	9412076
Patent Number:	10885149
Application Number:	17137022
PCT Number:	US2220895
Application Number:	63163507
Application Number:	63212957
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:	6124927000
Email:	dmaday@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:	539.1160
NAME OF SUBMITTER:	DEBORAH L. MADAY
SIGNATURE:	/Deborah L. Maday/

PATENT

DATE SIGNED:	02/15/2023
Total Attachments: 8 source=539-1160_SIS-Mdt-IPSA#page1.tif source=539-1160_SIS-Mdt-IPSA#page2.tif source=539-1160_SIS-Mdt-IPSA#page3.tif source=539-1160_SIS-Mdt-IPSA#page4.tif source=539-1160_SIS-Mdt-IPSA#page5.tif source=539-1160_SIS-Mdt-IPSA#page6.tif source=539-1160_SIS-Mdt-IPSA#page7.tif source=539-1160_SIS-Mdt-IPSA#page8.tif	

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, restated, supplemented or otherwise modified, this "**Agreement**") is entered into as of December 14, 2022 by and between Surgical Information Sciences, Inc., a Delaware corporation ("**Grantor**") and Medtronic, Inc., a Minnesota corporation ("**Secured Party**").

RECITALS

A. Secured Party and Grantor are entering into a Loan Agreement dated as of the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the "**Loan Agreement**") and a Security Agreement dated 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 Loan Agreement.

B. The Obligations are secured by the Collateral, as defined in the Loan 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 Secured Party hereby agree:

AGREEMENT

To secure the Obligations, Grantor grants Secured Party a security interest in all of Grantor's right, title and interest in its Intellectual Property, subject to the terms and conditions of the Loan Agreement and the Security Agreement. 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, respectively, are complete and accurate as of the date hereof.

Grantor hereby authorizes Secured Party after prior written notice to Grantor 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.

The security interest granted pursuant to this Agreement is granted in conjunction with the security interests granted the Secured Party pursuant to the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of the Secured Party with respect to the security interest in the Intellectual Property made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Agreement and the Security Agreement, the Security Agreement shall control.

This Agreement is made for collateral security purposes only. Upon release of all of the Collateral pursuant to the provisions of the Loan Agreement, this Agreement shall terminate, and the Secured Party shall promptly execute and deliver to Grantor all termination statements and other instruments as may be necessary or proper to terminate the Secured Party's security interest in the Intellectual Property subject to any disposition thereof which may have been made by the Secured Party pursuant to this Agreement, the Loan Agreement or any of the other Loan Documents.

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 their respective duly authorized officers as of the first date written above.

GRANTOR:

SURGICAL INFORMATION SCIENCES, INC.

DocuSigned by:
Brad Swatfager
By: _____
Title: CEO/President
Name: Brad Swatfager

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.

SECURED PARTY:

MEDTRONIC, INC.

By: _____

Name: Christopher M. Cleary

Title: Sr. VP, Corporate Development

EXHIBIT A

Copyrights

Description	Registration Number	Registration Date
None		

EXHIBIT B**Patents****PATENTS**

TITLE	APPLN. NO.	FILING DATE	PATENT NUMBER	PATENT DATE
METHOD FOR A BRAIN REGION LOCATION AND SHAPE PREDICTION	14/317,925	6/27/2014	9,600,778	3/21/2017
METHODS AND SYSTEMS FOR A HIGH-RESOLUTION BRAIN IMAGE PIPELINE AND DATABASE PROGRAM	14/317,996	6/27/2014	9,412,076	4/9/2016
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	14820217.9	6/27/2014	3017400	5/15/2019
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	2016-524256		6603656	9/19/2019
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	201480045705.3		ZL201480045705.3	6/25/2019
METHOD FOR A BRAIN REGION LOCATION AND SHAPE PREDICTION	15/457,355	3/13/2017	10,885,149	1/5/2021
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	14820217.9	6/27/2014	3017400	5/15/2019
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	14820217.9	6/27/2014	3017400	5/15/2019
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION			602014046935.3	
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	19169514.7	6/27/2014	3537343	10/21/2020

METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION			602014071615.6	
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	19169514.7	6/27/2014	3537343	10/21/2020
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION	19169514.7	6/27/2014	3537343	10/21/2020
METHOD AND SYSTEM FOR A BRAIN IMAGE PIPELINE AND BRAIN IMAGE REGION LOCATION AND SHAPE PREDICTION		12/24/2015	11766/DELNP/2015	
METHOD FOR A BRAIN REGION LOCATION AND SHAPE PREDICTION	17137022	12/29/2020	17/137,022	
BRAIN IMAGE SEGMENTATION USING TRAINED CONVOLUTIONAL NEURAL NETWORKS			PCT/US2022/020895	

APPLICATIONS

TITLE	APPLN. NO.	FILING DATE	COUNTRY OR JURISDICTION
BRAIN IMAGE SEGMENTATION USING TRAINED CONVOLUTIONAL NEURAL NETWORKS	63163507	3/19/2021	United States
BRAIN IMAGE SEGMENTATION USING TRAINED CONVOLUTIONAL NEURAL NETWORKS	63212957	6/21/2021	United States

EXHIBIT C

Trademarks

Mark	Application Number	Application Date	Registration Number	Registration Date
None				