## 504443705 07/05/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MELISSA G.T. CHRISTIE	06/19/2017
RONALD A. DRAKE	06/16/2017
BUSHAN PURUSHOTHAMAN	06/19/2017
ANDRZEJ M. MALEWICZ	06/16/2017

## **RECEIVING PARTY DATA**

Name:	MEDTRONIC, INC.	
Street Address:	710 MEDTRONIC PARKWAY NE	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55432	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	15642054		

## **CORRESPONDENCE DATA**

Fax Number:

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.

**Phone:** 763-505-5000

**Email:** medtronic\_crdm\_docketing@cardinal-ip.com

Correspondent Name: MEDTRONIC, INC. (CRDM)
Address Line 1: 710 MEDTRONIC PARKWAY NE
Address Line 4: MINNEAPOLIS, MINNESOTA 55432

ATTORNEY DOCKET NUMBER:	C00012273.USU1/1111-544US
NAME OF SUBMITTER:	JENNIFER DALLMAN
SIGNATURE:	/Jennifer Dallman/
DATE SIGNED:	07/05/2017

## **Total Attachments: 5**

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PATENT REEL: 042911 FRAME: 0181

Attorney Docket No.: C00012273.USU1/1111-544US01

#### ASSIGNMENT OF APPLICATION(S)

	Whereas	I/we,	the below	named	inventor(s),	with reside	ence and	citizenship	as indicated	below, r	iave made a	n
inve	ntion in											

	LEAD NAVIGATION GUIDANCE	
$\boxtimes$	for which an application for a United States Patent or a U.S. Provisional Application is being filed contemporaneously herewith;	
	for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;	
	for which an application for a U.S. Provisional Application No. ; was filed on ;	
	for which above application claims priority to U.S. Provisional Patent Application No. ; filed on ;	
	which application is identified as PCT International Patent Application No.; filed;	

Whereas, <u>Medtronic, Inc.</u>, a corporation organized and existing under the laws of the State of Minnesota and having a principle place of business at 710 <u>Medtronic Parkway N.E.</u>, <u>Minneapolis, Minnesota 55432-5604</u>, hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefore;

NOW, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the application(s) identified above and in and to any application claiming benefit thereto and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefore including our rights under the International Convention for the Protection of Industrial Property, which include the right to claim priority based on the filing date of said applications(s), and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by the assignors if this assignment had not been made; together with all claims by assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

AND, for the consideration aforesaid, we materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or

Assignment

Page 1 of 5 Attorney Docket No.: C00012273.USU1/1111-544US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said Medtronic, Inc., as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/c	ur name(s) on the day and year set t	forth below.		
Given Name (first and middle initial [if any]):	Family Name or Surname (last name):			
Melissa G. T.	Christie			
Inventor's Signature:	Date:	Date:		
Villaga AS Childe	6/19/17			
City and State:	Country:	Citizenship:		
Andover, MN	USA	USA		
STATE OF MINNESOTA )  SS.  COUNTY OF RAMSEY )  On this day of Melissa G. T. Christie, and who executed the fore aforesaid.  MADONNA M. SCHROET Notary Public State of Minnesota My Commission Expir January 31, 2020	IS US	ally appeared the above-named and deed, on the day and year		

Given Name (first and middle initial [if any]):  Ronald A.	Family Name or Surname (last n Drake	ame):
Inventor's Signature:	Date: /6J4/	V2017
Residence (City and State):	Country:	Citizenship:
St. Louis Park, MN	USA	USA
STATE OF MINNESOTA )  SS.  COUNTY OF RAMSEY  On this day of  Ronald A. Drake, and who executed the foregoing aforesaid.  MADONNA M. SCHROEDER  Notary Public  State of Minnesota My Commission Expires  January 31, 2020	; instrument, as said person's free a	rsonally appeared the above-named act and deed, on the day and year

Given Name (first and middle initial [if any]): <b>Bushan</b>	Family Name or Surname (last name) Purushothaman	e):
Inventor's Signature:	Date: 08/19/20	)/7
Residence (City and State):	Country:	Citizenship:
Plymouth, MN	USA	USA
Bushan Purushothaman, and who executed the for aforesaid.	,	
(Seal) MADONNA M. SCHROEDER Notary Public State of Minnesota My Commission Expires January 31, 2020	Blued Notary Public	

Given Name (first and middle initial [if any]):  Andrzej M.	Family Name or Surname (last name):  Malewicz			
Inversor's Signature: Lalenia	Date: 16_	June 2017		
Residence (City and State):	Country:	Citizenship:		
Minneapolis, MN	USA	USA		
On this day of Andrzej M. Malewicz, and who executed the for aforesaid.	egoing instrument, as said person	personally appeared the above-named is free act and deed, on the day and year		
(Seal)  (Seal)  (Some in the season of the s	es Notary Public			

**RECORDED: 07/05/2017**