PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENNETH T. HERUTH	02/19/2004
MARK HOLLE	02/19/2004
JAMES SKAKOON	02/19/2004

RECEIVING PARTY DATA

Name:	MEDTRONIC, INC.	
Street Address:	710 MEDTRONIC PARKWAY N.E.	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55432-5640	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13053786

CORRESPONDENCE DATA

Fax Number: (770)643-8913

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: 7706438912

Email: jeramie@witherskeys.com **Correspondent Name:** WITHERS & KEYS, LLC

Address Line 1: P.O. BOX 71355

Address Line 4: MARIETTA, GEORGIA 30007-1355

ATTORNEY DOCKET NUMBER:	P0020199.04	
NAME OF SUBMITTER:	JERAMIE J. KEYS	
SIGNATURE:	/Jeramie J. Keys/	
DATE SIGNED:	09/25/2017	

Total Attachments: 3

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PATENT 504562649 REEL: 043679 FRAME: 0673

ATTORNEY DOCKET: 009.6005 (P-20199.01US)

ASSIGNMENT

WHEREAS, WE, are the inventors of <u>FIELD STEERABLE ELECTRICAL STIMULATION</u>

<u>PADDLE, LEAD SYSTEM, AND MEDICAL DEVICE INCORPORATING THE SAME</u> for which we have executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States therefor; and

WHEREAS, MEDTRONIC, INC. a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5640, 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 therefor;

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 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 therefor including our rights under the International Convention for the Protection of Industrial Property, 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 behoof and use and behoof 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;

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 filling 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 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.

ASSIGNMENT Page 1 of 3

I hereby request the Honorable Commissione Patent to Corporation in accordance with this instrumen	r of Patents and Trademarks to issue the Letters it.
IN WITNESS WHEREOF, I have hereunto 2004.	set my hand on this 19 day of
	Kenneth T. Heruth
On this 19th day of February Kenneth T. Heruth, to me known to be the person instrument and acknowledged that s/he executed the sa	, 2004 before me personally appeared described in and who executed the foregoing time as his/her free act and deed.
IN WITNESS WHEREOF, I have hereunto affix the day and year above written.	ed my official signature with the seal of my office,
HELEN M. TERWAY Notary Public Minneacote My Commission Equina Jamesy 31, 2007	Helen M. Terway Notary Public
I hereby request the Honorable Commissioner of Paten Corporation in accordance with this instrument. J. IN WITNESS WHEREOF, I have hereunto Jecunary, 2004.	
On this <u>19 th</u> day of <u>Jebwary</u> Holle, to me known to be the person described in an acknowledged that s/he executed the same as his/her fre	, 2004 before me personally appeared Mark and who executed the foregoing instrument and see act and deed.
IN WITNESS WHEREOF, I have hereunto affixe the day and year above written.	d my official signature with the seal of my office,
HELEN M. TERWAY Notary Public Mirrnesota Mirrnesota by Cosselector Expires January \$1, 2007	Helen M. Terway Notary Public

ASSIGNMENT Page 2 of 3

PATENT REEL: 043679 FRAME: 0675 I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Helen M. Terway Notary Public

> ASSIGNMENT Page 3 of 3

PATENT REEL: 043679 FRAME: 0676

RECORDED: 09/25/2017