504049746 10/13/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
VINCENT E SPLETT	10/05/2016

RECEIVING PARTY DATA

Name:	Medtronic, Inc.	
Street Address:	710 Medtronic Parkway	
Internal Address:	Mail Stop LC340	
City:	Minneapolis	
State/Country:	MINNESOTA	
Postal Code:	55432	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15280339	

CORRESPONDENCE DATA

Fax Number: (763)505-2530

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) 526-0925

Email: susan.m.nienaber@medtronic.com

Correspondent Name: EVANS M. MBURU

Address Line 1: 710 MEDTRONIC PARKWAY

Address Line 2: MAIL STOP LC340

Address Line 4: MINNEAPOLIS, MINNESOTA 55432

ATTORNEY DOCKET NUMBER:	C00014153.USU1	
NAME OF SUBMITTER:	SUSAN M. NIENABER	
SIGNATURE:	/Susan M. Nienaber/	
DATE SIGNED:	10/13/2016	

Total Attachments: 3

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PATENT 504049746 REEL: 040009 FRAME: 0907

Attorney Docket No.: C00014153.USU1

ASSIGNMENT OF APPLICATION(S)

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

L	ATRIAL TRACKING IN AN INTRACARDIAC VENTRICULAR PACEMAKER
	for which an application for a United States Patent or a U.S. Provisional Application is being filed contemporaneously herewith;
\boxtimes	for which an application for a United States Patent identified as U.S. Patent Application No. 15/280,339; was filed on September 29, 2016;
	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. XX/XXX,XXX; filed on XXXXXXXXX;
	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 <u>710 Medtronic Parkway N.E.</u>, <u>Minneapolis</u>, <u>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, 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 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 Attorney Docket No.: C00014153.USU1

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/our name(s) on the day and year set forth below.

Given Name (first and middle initial [if any]): Vincent E.	Family Name or Surname (last name): Splett		
Inventor's Signature:	Date:		
7-1254/at	500+2	016	
City and State:	Country:	Country: Citizenship:	
Apple Valley, Minnesota	USA	US	
STATE OF MINNESOTA)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
) ss.			
COUNTY OF RAMSEY) On this 5 day of October	marks.		
and who executed the foregoing instrument, as sa		ore me personally appeared the above-nan	ned,
and who executed the foregoing institution, as sa	no person's nee act and deed	, on the day and year dioresaid.	
§*************************************		Summy & grant of	
(Seal) SUSAN M. NIENABER	Jula	1 horaber	
Notary Public-Minneente \$	Notary Public		
My Commission Expires Jan 31, 2020			
Given Name (first and middle initial [if any]):	Family Name or Surname	(last name):	
Todd J. Sheldon			
Inventor's Signature:	Date:		
		interior control of the control of t	
Residence (City and State):	Country:	Citizenship:	
North Oaks, Minnesota			
8	USA	US	
STATE OF MINNESOTA)	USA	US	
ss.	USA	US	
) ss. COUNTY OF RAMSEY)			
) ss. COUNTY OF RAMSEY) On this day of	, , , be	fore me personally appeared the above-nan	ned ,
) ss. COUNTY OF RAMSEY)	, , , be	fore me personally appeared the above-nan	ned ,
) ss. COUNTY OF RAMSEY) On this day of	, , , be	fore me personally appeared the above-nan	ned ,
On this day of and who executed the foregoing instrument, as sa	, , , be	fore me personally appeared the above-nan	ned ,
) ss. COUNTY OF RAMSEY) On this day of	, , , be	fore me personally appeared the above-nan	ned ,

Attorney Docket No.: C00014153.USU1

REEL: 040009 FRAME: 0909

Given Name (first and middle initial [if any]): , Yong K.	Family Name or Surname (last name): Cho			
Inventor's Signature:		Date:		
Residence (City and State): Excelsior, Minnesota		Country: USA	Citizenship: US	
STATE OF MINNESOTA)				
COUNTY OF RAMSEY	a de la companya de La companya de la co			
On this day of and who executed the foregoing instrument, as sai	d person's fi	,, before me persor ree act and deed, on the day ar	nally appeared the above-named, and year aforesaid.	
(Seal)		Notary Public		
	02.10.10.10.10.10.10.10.10.10.10.10.10.10.			
Given Name (first and middle initial [if any]): Wade M.	Family Na Demmer	ime or Surname (last name):		
Inventor's Signature:		Date:		
Residence (City and State): Coon Rapids, Minnesota	,,,,,	Country: USA	Citizenship: US	
STATE OF MINNESOTA)	and the state of t			
COUNTY OF RAMSEY)	privetorit.			
On this day of and who executed the foregoing instrument, as sa	id person's f	,, before me person ree act and deed, on the day an	nally appeared the above-named, and year aforesaid.	
murani marani anda anda anda anda anda anda anda a				
(Seal)		A7		
		Notary Public		
Given Name (first and middle initial [if any]): Mark K.	Family Na Ericksor	nme or Surname (last name):		
Inventor's Signature:		Date:		
Residence (City and State): Brooklyn Park, Minnesota		Country: USA	Citizenship:	
STATE OF MINNESOTA)				
COUNTY OF RAMSEY)				
On this day of,, before me personally appeared the above-named, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.				
(Seal)		Notary Public		

Assignment

Page 3 of 3 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

Attorney Docket No.: C00014153.USU1

RECORDED: 10/13/2016 REEL: 040009 FRAME: 0910