503292045 05/04/2015

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3338663

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NATHAN GRENZ	04/21/2015
RYAN LAHM	04/20/2015
ERIC SCHILLING	04/20/2015
BRIAN SCHOUSEK	04/20/2015

RECEIVING PARTY DATA

Name:	MEDTRONIC, INC.	
Street Address:	710 MEDTRONIC PARKWAY N.E.	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55432-5604	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14703341

CORRESPONDENCE DATA

Fax Number: (612)305-1228

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: 612-305-2476

Email: dschurmann@mrgs.com MATTHEW C. GOEDEN **Correspondent Name:**

Address Line 1: MUETING, RAASCH & GEBHARDT P.A.

Address Line 2: 111 THIRD AVE S, SUITE 350

Address Line 4: MINNEAPOLIS, MINNESOTA 55401

ATTORNEY DOCKET NUMBER: C00005830.USU2/1348240101	
NAME OF SUBMITTER:	MATTHEW C. GOEDEN
SIGNATURE:	/Matthew C. Goeden/
DATE SIGNED:	05/04/2015

Total Attachments: 3

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> **PATENT REEL: 035560 FRAME: 0633** 503292045

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PATENT REEL: 035560 FRAME: 0634

Attorney Docket No.: C00005830.USU2

(134.08240101)

ASSIGNMENT OF APPLICATION

Whereas we, the below named inventors, with residence and citizenship as indicated below, have made an invention in

Γ	SYSTEMS, METHODS, AND INTERFACES FOR CONFIGURING CARDIAC THERAPY
_	O TO I MANAGE THE MANA
\boxtimes	for which an application for a United States Patent is being filed contemporaneously herewith;
	for which an application for a United States Patent identified as U.S. Patent Application No was filed on;
X	for which above application claims priority to U.S. Provisional Patent Application No. 62/037,689 filed on August 15, 2014;
	which application is identified as PCT International Patent Application No filed;
ref Un	Whereas, <u>Medtronic</u> , <u>Inc.</u> , a corporation organized and existing under the laws of the State of Minnesota and ving a principle place of business at <u>710 Medtronic Parkway N.E.</u> , <u>Minneapolis</u> , <u>Minnesota 55432-5604</u> , hereinafte erred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the ited States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be noted 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 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 us 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.: C00005830.USU2

(134.08240101)

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, we have signed our names on the day and year set forth below.

Given Name (first and middle initial [if any]); Nathan	Family Name or Surname Grenz	(last name):
Inventor's Signature:	Date: 4-21-	-2015
City and State: Shoreview, MN	Country: US	Citizenship: US
STATE OF MINNESOTA)		
COUNTY OF RAMSEY)		me personally appeared the above-named, and the day and year aforesaid.
(Seal) SUSAN M. NIENABER Notary Public-Minnesota My Commission Expires Jan 31, 2020	Sura	n Wenaber
Given Name (first and middle initial [if any]): Ryan	Family Name or Surname Lahm	(last name):
Inventor's Signature:	Date:	tpr 2015
City and State: Lino Lakes, MN	Country: US	Citizenship: US
STATE OF MINNESOTA)) ss.		
On this day of who executed the foregoing instrument, as said p	, 2015, before erson's free act and deed, on	me personally appeared the above-named, and the day and year aforesaid.
(Seal) SUSAN M. NIENABEI Notary Public-Minnesote My Commission Expires Jan 31, 20	R Susa	n Lieraber

Assignment

Page 2 of 3

Attorney Docket No.: C00005830.USU2 (134.08240101)

Given Name (first and middle initial [if any]): Family	Name or Surname (la	ast name):
Eric Schillii	ng	
Inventor's Signature:	Date: 4/20/	b
City and State: Ham Lake, MN	Country: US	Citizenship: US
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this day of hy il who executed the foregoing instrument, as said person's free		e personally appeared the above-named, and e day and year aforesaid.
(Seal) SUSAN M. NIENABER Notary Public-Minnesota My Commission Expires Jan 31, 2020	Notary Public	Thenaber
	228: 2000: 20	
Given Name (first and middle initial [if any]): Family Brian Schous	Name or Surname (la sek	asc name);
Inventor's Signature:	Date: 20APR	2015
City and State: Houltan, WI	Country: US	Citizenship: US
STATE OF MINNESOTA) SS. COUNTY OF RAMSEY) On this Oday of Oy il who executed the foregoing instrument, as said person's free SUSAN M. NIENABER Notary Public Minnesota My Commission Expires Jan 31, 2020		e personally appeared the above-named , and e day and year aforesaid.

Assignment

Page 3 of 3

Attorney Docket No.: C00005830.USU2 (134.08240101)