

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kevin J. Kelly</td><td>01/27/2012</td></tr><tr><td>David P. Olson</td><td>01/27/2012</td></tr><tr><td>Reid K. Bornhoft</td><td>01/27/2012</td></tr><tr><td>Venkat R. Gaddam</td><td>01/27/2012</td></tr></tbody></table>	Name	Execution Date	Kevin J. Kelly	01/27/2012	David P. Olson	01/27/2012	Reid K. Bornhoft	01/27/2012	Venkat R. Gaddam	01/27/2012	
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Kevin J. Kelly	01/27/2012										
David P. Olson	01/27/2012										
Reid K. Bornhoft	01/27/2012										
Venkat R. Gaddam	01/27/2012										
RECEIVING PARTY DATA											
Name:	Medtronic, Inc.										
Street Address:	710 Medtronic Parkway										
City:	Minneapolis										
State/Country:	MINNESOTA										
Postal Code:	55432										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13360443</td></tr></tbody></table>	Property Type	Number	Application Number:	13360443							
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Application Number:	13360443										
CORRESPONDENCE DATA											
Fax Number:	(651)735-1100										
Phone:	651-735-1100										
Email:	pairedocketing@ssiplaw.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	SHUMAKER & SIEFFERT , P.A										
Address Line 1:	1625 RADIO DRIVE , SUITE 300										
Address Line 4:	WOODBURY, MINNESOTA 55125										
ATTORNEY DOCKET NUMBER:	1123-062US01/P39663.USU1										
NAME OF SUBMITTER:	Shirley A. Betlach										
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif											

OP \$40.00 13360443

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PATENT  
REEL: 027611 FRAME: 0610

ASSIGNMENT

For valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/We, Kevin J. Kelly of 4862 Cumberland St., Shoreview, MN 55126, David P. Olson of 4400 Shady Lane, Minnetrista, MN 55364, Reid K. Bornhoft of 6679 Ruffed Grouse Road, Lino Lakes, MN 55014 and Venkat R. Gaddam of 13301 Maple Knoll Way #703, Maple Grove, MN 55369 (collectively hereinafter called "the Assignor(s)"), have sold, assigned, transferred and set over, and hereby do sell, assign, transfer and set over to Medtronic, Inc, a corporation existing under the laws of the State of Minnesota and having a place of business at: 710 Medtronic Parkway N.E., Minneapolis, MN 55432, and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in and to the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled MANAGING RECHARGE POWER FOR IMPLANTABLE MEDICAL DEVICES, filed herewith; this assignment including all right, title and interest in said application, any provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other applications disclosing any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and including any rights, including the right to claim priority based on the filing date of any of these applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, the same to be held and enjoyed by the Assignee for its own use and benefit and the use and benefit of its successors and assigns to the full end of the term for which any patents may be granted on such applications, as fully and entirely as the same would have been held and enjoyed by the Assignor(s) had this assignment and sale not been made, including the right to enforce such patents as fully and entirely as the same would have been held and enjoyed by the Assignor(s) if this assignment had not been made, together with all claims by the Assignor(s) for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for the Assignee's own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives, and the Assignor(s) authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion

and for inventors' certificates for said inventions and improvements; and the Assignor(s) agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment. For the consideration noted above, the Assignor(s) materially represent to the Assignee, and its successors and assigns, that at the time of the execution and delivery of this assignment, the Assignor(s) are the sole lawful owners of the entire right, title and interest in and to the inventions, improvements, applications and patents above mentioned, and that the same are unencumbered, and that the Assignor(s) have good right and lawful authority to assign, sell and convey the same in the manner herein set forth. For the consideration noted above, the Assignor(s) hereby individually covenant and agree to and with the Assignee, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns 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 or extension of such patents is lawful and desirable, the Assignor(s), or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required for the procurement of valid patents for said inventions, or for the reissue or extension of the same, without charge to the Assignee, its successors or assigns, but at the Assignee's expense. The Assignor(s) do hereby authorize and request the Commissioner of Patents of the United States Patent and Trademark Office to issue any and all patents which may be granted upon any of the said applications, to the Assignee, as the assignee of the entire right, title, and interest therein.

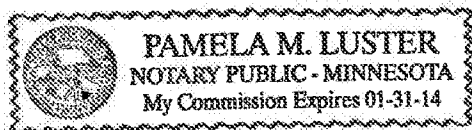
Date: 1/27/12

Kevin J. Kelly  
Kevin J. Kelly

State of Minnesota )  
County of Anoka ) ss:

On this 27<sup>th</sup> day of January, 2012, before me, Pamela M. Luster  
Notary Public, personally appeared Kevin J. Kelly personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Pamela M. Luster  
Signature of Notary Public  
My Commission Expires:

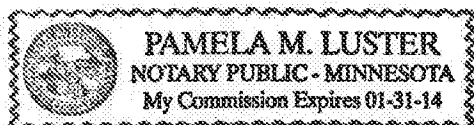
Date: 1-27-12

David P. Olson  
David P. Olson

State of Minnesota )  
County of Anoka ) ss:

On this 27<sup>th</sup> day of January, 2012, before me, Pamela M. Luster  
Notary Public, personally appeared David P. Olson personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



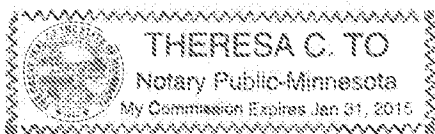
Pamela M. Luster  
Signature of Notary Public  
My Commission Expires:

Date: 01/27/2012

Reid K. Bornhoft  
Reid K. Bornhoft

State of Minnesota )  
 ) ss:  
County of Anoka )

On this 27<sup>th</sup> day of January, 2012, before me, Theresa C. To,  
Notary Public, personally appeared Reid K. Bornhoft personally known to me (or proved to me on the  
basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to within the instrument  
and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that  
by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s)  
acted, executed the instrument.



WITNESS my hand and official seal.

Theresa C. To  
Signature of Notary Public  
My Commission Expires:

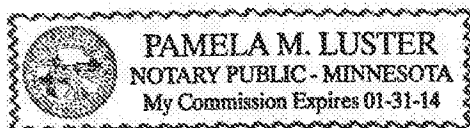
Date: 01/29/2012

Venkat R. Gaddam  
Venkat R. Gaddam

State of Minnesota )  
 ) ss:  
County of Anoka )

On this 27<sup>th</sup> day of January, 2012, before me, Pamela M. Luster,  
Notary Public, personally appeared Venkat R. Gaddam personally known to me (or proved to me on the  
basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to within the instrument  
and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that  
by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s)  
acted, executed the instrument.

WITNESS my hand and official seal.



Pamela M. Luster  
Signature of Notary Public  
My Commission Expires: