

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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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>YANZHU ZHAO</td> <td>10/24/2013</td> </tr> <tr> <td>NICHOLAS C. WINE</td> <td>10/24/2013</td> </tr> <tr> <td>JOYCE K. YAMAMOTO</td> <td>10/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	YANZHU ZHAO	10/24/2013	NICHOLAS C. WINE	10/24/2013	JOYCE K. YAMAMOTO	10/24/2013
Name	Execution Date								
YANZHU ZHAO	10/24/2013								
NICHOLAS C. WINE	10/24/2013								
JOYCE K. YAMAMOTO	10/24/2013								
RECEIVING PARTY DATA									
Name:	MEDTRONIC, INC.								
Street Address:	710 MEDTRONIC PARKWAY NE.								
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>14062923</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14062923				
Property Type	Number								
Application Number:	14062923								
CORRESPONDENCE DATA									
Fax Number:	(651)367-0471								
Phone:	763-526-0929								
Email:	madonna.schroeder@medtronic.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	MICHAEL J. OSTROM								
Address Line 1:	710 MEDTRONIC PARKWAY NE.								
Address Line 2:	MAIL STOP MVC22								
Address Line 4:	MINNEAPOLIS, MINNESOTA 55110								
ATTORNEY DOCKET NUMBER:	C00002394.USU2								
NAME OF SUBMITTER:	MICHAEL J. OSTROM								
Signature:	/Michael J. Ostrom/								

Date:

10/25/2013

Total Attachments: 6

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ASSIGNMENT OF APPLICATION(S)

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

IMPLANTABLE MEDICAL DEVICES HAVING HOLLOW CAP COFIRE CERAMIC STRUCTURES AND METHODS OF FABRICATING THE SAME

- 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. **61/888,075**; filed on **October 8, 2013**;
- which application is identified as PCT International Patent Application No. _____ ; filed ;

Whereas, Medtronic, Inc., a corporation organized and existing under the laws of the State of Minnesota and having a principle place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5604, 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

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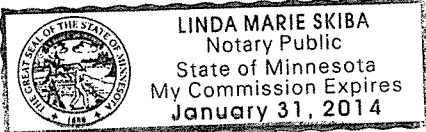
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NOW, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors 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;

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Given Name (first and middle initial [if any]): Joyce K.		Family Name or Surname (last name): Yamamoto	
Inventor's Signature: <i>Joyce K Yamamoto</i>		Date: <i>24 Oct 2013</i>	
Residence (City and State): Maple Grove, Minnesota		Country: US	Citizenship: US
STATE OF MINNESOTA) COUNTY OF <i>Ramsey</i> ss. On this <i>24</i> day of <i>October</i> <i>2013</i> 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)			<i>Linda Marie Skiba</i> Notary Public