

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>Robert T. Taepke II</td> <td>08/03/2012</td> </tr> <tr> <td>Ya Guo</td> <td>07/30/2012</td> </tr> <tr> <td>Joseph D. Berglund</td> <td>07/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Robert T. Taepke II	08/03/2012	Ya Guo	07/30/2012	Joseph D. Berglund	07/31/2012		
Name	Execution Date										
Robert T. Taepke II	08/03/2012										
Ya Guo	07/30/2012										
Joseph D. Berglund	07/31/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Medtronic, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>710 Medtronic Parkway N.E.</td> </tr> <tr> <td>City:</td> <td>Minneapolis</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55432</td> </tr> </table>		Name:	Medtronic, Inc.	Street Address:	710 Medtronic Parkway N.E.	City:	Minneapolis	State/Country:	MINNESOTA	Postal Code:	55432
Name:	Medtronic, Inc.										
Street Address:	710 Medtronic Parkway N.E.										
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>13586572</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13586572						
Property Type	Number										
Application Number:	13586572										
CORRESPONDENCE DATA											
Fax Number:	6517351102										
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										
Address Line 2:	Suite 300										
Address Line 4:	Woodbury, MINNESOTA 55125										
ATTORNEY DOCKET NUMBER:	P0040489.USU2/1111-377										
NAME OF SUBMITTER:	Barbara A. Geisthardt										
Total Attachments: 8											

OP \$40.00 13586572

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif
source=Assignment#page4.tif
source=Assignment#page5.tif
source=Assignment#page6.tif
source=Assignment#page7.tif
source=Assignment#page8.tif

ASSIGNMENT OF APPLICATION

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

MEDICAL DEVICE FIXATION

- 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 _____ ;
- 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 55432-5640, 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 therefore;

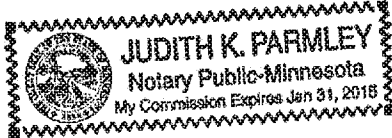
NOW, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention, including any provisional application disclosing said invention, such as U.S. Provisional Application No. 61/591,051, 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 or declarations in lieu of such 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.

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]): Robert T.		Family Name or Surname (last name): Taepke, II	
Inventor's Signature: <i>Robert T. Taepke II</i>		Date: <i>3 August 2012</i>	
City and State: Coon Rapids, Minnesota		Country: USA	Citizenship: USA
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this <u>3rd</u> day of <u>August</u> , <u>2012</u> , before me personally appeared the above-named Robert T. Taepke, II, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<i>Judith K. Parmley</i> Notary Public

Given Name (first and middle initial [if any]): Joseph D.	Family Name or Surname (last name): Berglund	
Inventor's Signature:	Date:	
City and State: Santa Rosa, California	Country: USA	Citizenship: USA
ACKNOWLEDGMENT		
STATE OF CALIFORNIA		
COUNTY OF _____		
On _____ before me, _____ (Insert name and title of the officer)		
personally appeared Joseph D. Berglund, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.		
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.		
WITNESS my hand and official seal.		
Signature _____ (Seal)		

ASSIGNMENT OF APPLICATION

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

MEDICAL DEVICE FIXATION


- 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 _____ ;
- 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 55432-5640, 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 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, including any provisional application disclosing said invention, such as U.S. Provisional Application No. 61/591,051, 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 or declarations in lieu of such 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.

Given Name (first and middle initial (if any)): Ya	Family Name or Surname (last name): Guo	
Inventor's Signature: 	Date: 7/30/12	
City and State: Santa Rosa, California	Country: USA	Citizenship: CN

ACKNOWLEDGMENT

STATE OF CALIFORNIA

COUNTY OF Sonoma

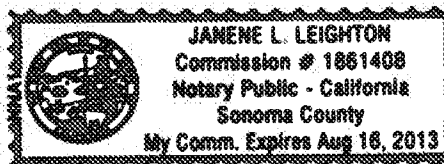
On July 30, 2012 before me, Janene L. Leighton
(Insert name and title of the officer)

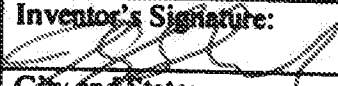
personally appeared Ya Guo, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Janene L. Leighton (Seal)



Given Name (first and middle initial [if any]): Joseph D.		Family Name or Surname (last name): Berglund	
Inventor's Signature: 		Date: 31 July 2012	
City and State: Santa Rosa, California		Country: USA	Citizenship: USA
ACKNOWLEDGMENT			
STATE OF CALIFORNIA			
COUNTY OF <u>Sonoma</u>			
On <u>July 31, 2012</u> before me, <u>Kimberly Wellington, Notary Public</u> (insert name and title of the officer)			
personally appeared Joseph D. Berglund, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.			
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.			
WITNESS my hand and official seal.			
Signature <u>Kimberly Wellington</u>		(Seal)	
		