

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>Dwayne S. Yamasaki</td> <td>01/25/2013</td> </tr> <tr> <td>Bryan Courtney</td> <td>01/29/2013</td> </tr> <tr> <td>Wenjeng Li</td> <td>01/29/2013</td> </tr> <tr> <td>Kevin Mauch</td> <td>02/04/2013</td> </tr> <tr> <td>Kevin McFarlin</td> <td>02/01/2013</td> </tr> <tr> <td>Gabriel Brennan</td> <td>01/29/2013</td> </tr> <tr> <td>David Gannon</td> <td>01/31/2013</td> </tr> <tr> <td>David Hobbins</td> <td>02/04/2013</td> </tr> <tr> <td>Brian Kelly</td> <td>02/04/2013</td> </tr> <tr> <td>Stephen Nash</td> <td>01/29/2013</td> </tr> <tr> <td>Matthew Bonner</td> <td>01/29/2013</td> </tr> <tr> <td>Sean Ward</td> <td>01/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dwayne S. Yamasaki	01/25/2013	Bryan Courtney	01/29/2013	Wenjeng Li	01/29/2013	Kevin Mauch	02/04/2013	Kevin McFarlin	02/01/2013	Gabriel Brennan	01/29/2013	David Gannon	01/31/2013	David Hobbins	02/04/2013	Brian Kelly	02/04/2013	Stephen Nash	01/29/2013	Matthew Bonner	01/29/2013	Sean Ward	01/30/2013
Name	Execution Date																										
Dwayne S. Yamasaki	01/25/2013																										
Bryan Courtney	01/29/2013																										
Wenjeng Li	01/29/2013																										
Kevin Mauch	02/04/2013																										
Kevin McFarlin	02/01/2013																										
Gabriel Brennan	01/29/2013																										
David Gannon	01/31/2013																										
David Hobbins	02/04/2013																										
Brian Kelly	02/04/2013																										
Stephen Nash	01/29/2013																										
Matthew Bonner	01/29/2013																										
Sean Ward	01/30/2013																										
RECEIVING PARTY DATA																											
<table border="1"> <tr> <td>Name:</td> <td>Medtronic Ardian Luxembourg S.a.r.l.</td> </tr> <tr> <td>Street Address:</td> <td>102 rue des Maraichers</td> </tr> <tr> <td>City:</td> <td>Luxembourg</td> </tr> <tr> <td>State/Country:</td> <td>LUXEMBOURG</td> </tr> <tr> <td>Postal Code:</td> <td>L2124</td> </tr> </table>		Name:	Medtronic Ardian Luxembourg S.a.r.l.	Street Address:	102 rue des Maraichers	City:	Luxembourg	State/Country:	LUXEMBOURG	Postal Code:	L2124																
Name:	Medtronic Ardian Luxembourg S.a.r.l.																										
Street Address:	102 rue des Maraichers																										
City:	Luxembourg																										
State/Country:	LUXEMBOURG																										
Postal Code:	L2124																										
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>13670452</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13670452																						
Property Type	Number																										
Application Number:	13670452																										
CORRESPONDENCE DATA																											
Fax Number:	7075435420																										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																											
Email:	rs.vasciplegal@medtronic.com																										
Correspondent Name:	Medtronic Vascular, Inc.																										

CH \$40.00 13670452

Address Line 1: 3576 Unocal Place
Address Line 4: Santa Rosa, CALIFORNIA 95403

ATTORNEY DOCKET NUMBER: C2325.USU2

NAME OF SUBMITTER: Jeffie A. Kopczynski

Total Attachments: 14

source=C2325USU2ExecutedAssignment#page1.tif
source=C2325USU2ExecutedAssignment#page2.tif
source=C2325USU2ExecutedAssignment#page3.tif
source=C2325USU2ExecutedAssignment#page4.tif
source=C2325USU2ExecutedAssignment#page5.tif
source=C2325USU2ExecutedAssignment#page6.tif
source=C2325USU2ExecutedAssignment#page7.tif
source=C2325USU2ExecutedAssignment#page8.tif
source=C2325USU2ExecutedAssignment#page9.tif
source=C2325USU2ExecutedAssignment#page10.tif
source=C2325USU2ExecutedAssignment#page11.tif
source=C2325USU2ExecutedAssignment#page12.tif
source=C2325USU2ExecutedAssignment#page13.tif
source=C2325USU2ExecutedAssignment#page14.tif

ASSIGNMENT

WHEREAS we, the below named inventor(s), **DWAYNE S. YAMASAKI; BRYAN COURTNEY; WENJENG LI; KEVIN MAUCH; KEVIN MCFARLIN; GABRIEL BRENNAN; DAVID GANNON; DAVID HOBBS; BRIAN KELLY; STEPHEN NASH; MATTHEW BONNER; and SEAN WARD**, have made an invention in

**ENDOVASCULAR NERVE MONITORING DEVICES AND
ASSOCIATED SYSTEMS AND METHODS**

☒ for which Applications as identified on the attached Annex A;

WHEREAS, **MEDTRONIC ARDIAN LUXEMBOURG S.a.r.l.** having a place of business at 102 rue des Maraichers, Luxembourg, Luxembourg L2124 hereinafter referred to as "ASSIGNEE," 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 therefor;

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 ASSIGNEE, 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 therefor 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 ASSIGNEE 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 ASSIGNEE, 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 ASSIGNEE, 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 is lawful and desirable, or that a reissue or 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 ASSIGNEE, its successors or assigns, but at ASSIGNEE'S expense.

We hereby authorize and request the Honorable Commissioner of Patents to issue any and all Letters Patent to ASSIGNEE in accordance with this instrument.

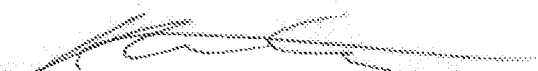
ANNEX A

Country SubType	App/Patent No.	File/Grant Date	Title
US	61/556,776	11/7/2011	Endovascular Nerve Monitoring Devices and Associated Systems and Methods
US	13/670,452	11/6/2012	Endovascular Nerve Monitoring Devices and Associated Systems and Methods
WO	PCT/US12/63759	11/6/2012	Endovascular Nerve Monitoring Devices and Associated Systems and Methods
TW	waiting	11/7/2012	Endovascular Nerve Monitoring Devices and Associated Systems and Methods

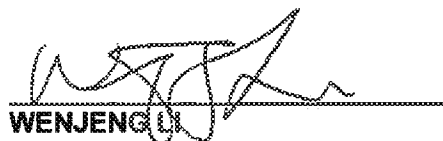
IN WITNESS WHEREOF, we have signed our name(s) below on this 29 day of July, 2013.


DWAYNE S. YAMASAKI

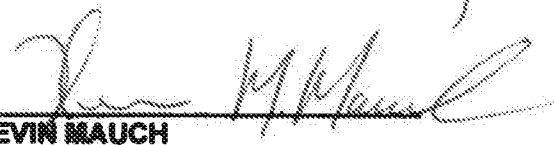
IN WITNESS WHEREOF, we have signed our name(s) below on this 29 day of JAN, 2013.


BRYAN COURTNEY

IN WITNESS WHEREOF, we have signed our name(s) below on this 09th day of January, 2013.


WENJENG LI

IN WITNESS WHEREOF, we have signed our name(s) below on this 4th day of February, 2013.



KEVIN MAUCH

IN WITNESS WHEREOF, we have signed our name(s) below on this 1st day of February, 2012



KEVIN MCFARLIN

2013
Kfm
01 FEB 2013

IN WITNESS WHEREOF, we have signed our name(s) below on this 2nd day of January 2013.


GABRIEL BRENNAN

IN WITNESS WHEREOF, we have signed our name(s) below on this 31 day of January, 2013.




DAVID GANNON

IN WITNESS WHEREOF, we have signed our name(s) below on this 4 day of Feb, 2013.

David Hobbins.
DAVID HOBBS

IN WITNESS WHEREOF, we have signed our name(s) below on this 4 day of Feb, 2013.


BRIAN KELLY

IN WITNESS WHEREOF, we have signed our name(s) below on this 29th day of Jan, 2013.

Stephen Nash
STEPHEN NASH

IN WITNESS WHEREOF, we have signed our name(s) below on this 21 day of January 2013.



MATTHEW BONNER

IN WITNESS WHEREOF, we have signed our name(s) below on this 30 day of Jan, 2013.


SEAN WARD