

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>Seth M. Humphrys</td> <td>12/20/2011</td> </tr> <tr> <td>David J. Buendorf</td> <td>12/20/2011</td> </tr> <tr> <td>Hailiang Zhao</td> <td>12/20/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Seth M. Humphrys | 12/20/2011 | David J. Buendorf | 12/20/2011 | Hailiang Zhao | 12/20/2011 | | | | |
| Name | Execution Date | | | | | | | | | | | | |
| Seth M. Humphrys | 12/20/2011 | | | | | | | | | | | | |
| David J. Buendorf | 12/20/2011 | | | | | | | | | | | | |
| Hailiang Zhao | 12/20/2011 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>MEDTRONIC, INC.</td> </tr> <tr> <td>Street Address:</td> <td>710 Medtronic Parkway NE</td> </tr> <tr> <td>Internal Address:</td> <td>MS: LC340 Legal Patents</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>55432-5604</td> </tr> </table> | | Name: | MEDTRONIC, INC. | Street Address: | 710 Medtronic Parkway NE | Internal Address: | MS: LC340 Legal Patents | City: | Minneapolis | State/Country: | MINNESOTA | Postal Code: | 55432-5604 |
| Name: | MEDTRONIC, INC. | | | | | | | | | | | | |
| Street Address: | 710 Medtronic Parkway NE | | | | | | | | | | | | |
| Internal Address: | MS: LC340 Legal Patents | | | | | | | | | | | | |
| City: | Minneapolis | | | | | | | | | | | | |
| State/Country: | MINNESOTA | | | | | | | | | | | | |
| Postal Code: | 55432-5604 | | | | | | | | | | | | |
| 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>13332551</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13332551 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 13332551 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (763)505-2530</p> <p>Phone: (763) 505-5000</p> <p>Email: medtronic_crdm_docketing@cardinal-ip.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: MEDTRONIC, INC.</p> <p>Address Line 1: 710 Medtronic Parkway NE</p> <p>Address Line 2: MS: LC340 Legal Patents</p> <p>Address Line 4: Minneapolis, MINNESOTA 55432-5604</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | MTRC.P0045US C00001156.US | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Colin L. Fairman | | | | | | | | | | | | |

OP \$40.00 13332551

Total Attachments: 5

source=11108980(2011-12-21 10-03-36)-002#page1.tif

source=11108980(2011-12-21 10-03-36)-002#page2.tif

source=11108980(2011-12-21 10-03-36)-002#page3.tif

source=11108980(2011-12-21 10-03-36)-002#page4.tif

source=11108980(2011-12-21 10-03-36)-002#page5.tif

ASSIGNMENT

WHEREAS, WE,

- (1) Seth M. Humphrys, residing at 6401 Westchester Circle, MN 55427;
and
(2) David J. Buendorf, residing at 11701 Red Fox Drive N., Maple Grove, MN 55369; and
(3) Hailiang Zhao, residing at 17133 76th Ave. N., Maple Grove, MN 55311,

have made an invention relating to ELECTRODE ASSEMBLY WITH HYBRID WELD
for which we have executed an application for Letters Patent of United States of America,

☒ on even date herewith; and

☐ was filed on _____ as United States Application No. _____, and Provisional
Application No. _____ filed _____; and

☐ for which above application claims priority to U.S. Provisional Patent Application No.
_____; filed on _____; and

WHEREAS we hereby authorize and request the assignee, Medtronic, Inc., to insert the
filing date and application number of said application when known; and

WHEREAS, MEDTRONIC, INC. a corporation organized and existing under the laws of
the State of Minnesota and having a principal place of business at 710 Medtronic Parkway NE,
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 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 Corporation, its successors and assigns, the entire
right, title and interest in and to the above-identified invention and applications and the entire right,
title and interest in and to any and all Letters Patent of the United States (including, without
limitation, every patent application identified above) 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 that may be filed with respect to the above-identified invention and applications and
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 each of us had this assignment and sale not been made;

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 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 my 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.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

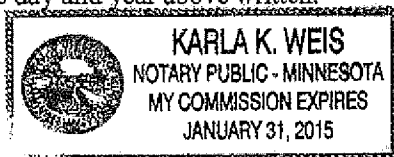
IN WITNESS WHEREOF, I have hereunto set my hand on this 20th day of December, 2011.



Seth M. Humphrys

STATE OF MINNESOTA)
) ss.
COUNTY OF Minnesota)

On this 20th day of December, 2011, before me personally appeared Seth M. Humphrys, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.




Notary Public

[SEAL]

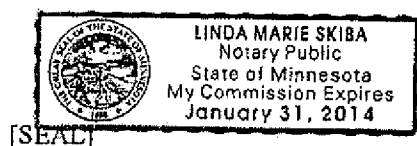
IN WITNESS WHEREOF, I have hereunto set my hand on this 20 day of December, 2011.

David J. Buendorf
David J. Buendorf

STATE OF MINNESOTA)
) ss.
COUNTY OF Ramsey)

On this 20 day of December, 2011, before me personally appeared David J. Buendorf, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Linda Marie Skiba
Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand on this 20 day of December, 2011.

Hailiang Zhao

STATE OF MINNESOTA)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2011, before me personally appeared Hailiang Zhao, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

[SEAL]

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2011.

☒ This is the final page of this Assignment.

David J. Buendorf

STATE OF MINNESOTA)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2011, before me personally appeared David J. Buendorf, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

[SEAL]

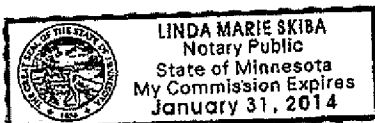
IN WITNESS WHEREOF, I have hereunto set my hand on this 20 day of December, 2011.

Hailiang Zhao
Hailiang Zhao

STATE OF MINNESOTA)
) ss.
COUNTY OF Ramsey)

On this 20 day of December, 2011, before me personally appeared Hailiang Zhao, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Linda Marie Skiba
Notary Public

[SEAL]

IN WITNESS WHEREOF, I have hereunto set my hand on this 20 day of December, 2011.

☒ This is the final page of this Assignment.