

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the name of the first named inventor should be Hailiang Zhao previously recorded on Reel 018803 Frame 0277. Assignor(s) hereby confirms the name of the first named inventor should be Hailiang Zhao.												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hailiang Zhao</td><td>06/09/2005</td></tr><tr><td>Kurt J. Casby</td><td>07/26/2005</td></tr></tbody></table>		Name	Execution Date	Hailiang Zhao	06/09/2005	Kurt J. Casby	07/26/2005						
Name	Execution Date												
Hailiang Zhao	06/09/2005												
Kurt J. Casby	07/26/2005												
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>Mail Stop LC340</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>55432-5640</td></tr></table>		Name:	Medtronic, Inc.	Street Address:	710 Medtronic Parkway NE	Internal Address:	Mail Stop LC340	City:	Minneapolis	State/Country:	MINNESOTA	Postal Code:	55432-5640
Name:	Medtronic, Inc.												
Street Address:	710 Medtronic Parkway NE												
Internal Address:	Mail Stop LC340												
City:	Minneapolis												
State/Country:	MINNESOTA												
Postal Code:	55432-5640												
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>11097686</td></tr></tbody></table>		Property Type	Number	Application Number:	11097686								
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Application Number:	11097686												
CORRESPONDENCE DATA													
Fax Number: (763)514-6982 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 763-514-3066													
Email: madelyn.thompson@medtronic.com													
Correspondent Name: Scott A. Bardell													
Address Line 1: 7000 Central Avenue NE													
Address Line 2: Mail Stop T160													
Address Line 4: Minneapolis, MINNESOTA 55432													
ATTORNEY DOCKET NUMBER:	P11605.00												
NAME OF SUBMITTER:	Scott A. Bardell												

CH \$40.00 11097686

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PATENT
REEL: 021914 FRAME: 0021

Total Attachments: 7

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PATENT ASSIGNMENT

Electronic Version v1.1
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01/25/2007
500212645

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mr. Halliang Zhang	06/09/2005
Mr. Kurt J. Casby	07/26/2005

RECEIVING PARTY DATA

Name:	Medtronic, Inc.
Street Address:	710 Medtronic Parkway
Internal Address:	LC-340
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55432

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11097686

CORRESPONDENCE DATA

Fax Number: (763)514-6982
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 763.514.4673
Email: molly.a.mcclellan@medtronic.com
Correspondent Name: Carol F. Barry
Address Line 1: 710 Medtronic Parkway
Address Line 2: LC-340
Address Line 4: Minneapolis, MINNESOTA 55432

ATTORNEY DOCKET NUMBER:

P0011605.00

NAME OF SUBMITTER:

Carol F. Barry

Total Attachments: 3

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PATENT

REEL: 021914 FRAME: 0024

ASSIGNMENT

WHEREAS, WE, Hallang Zhao and Kurt J. Casby, are the inventors of WELDING METHODS AND APPARATUS FOR BATTERIES for which an application for a United States Patent was filed on March 31, 2005, under Serial No. 11/097,688; 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 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 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 said invention 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 Corporation for its own use and behoof and use and behoof 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, and also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

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 hereby grant Corporation the right to fill in the serial number and filing date in this document upon their receipt;

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 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 Corporation, its successors or assigns, but at Corporation's expense.

I 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 9 day of June, 2005.

Hailiang Zhao
Hailiang Zhao

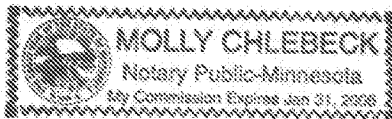
STATE OF MINNESOTA

COUNTY OF ANOKA

On this 9th day of June, 2005, before me personally appeared Hailiang Zhao, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

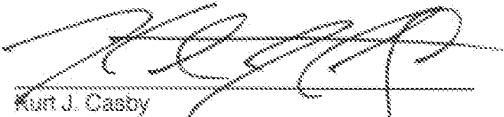
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Molly Chlebeck
Notary Public



I 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 26th day of July, 2005.

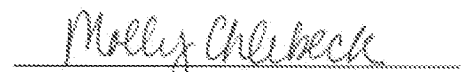

Kurt J. Casby

STATE OF MINNESOTA

COUNTY OF ANOKA

On this 26th day of July, 2005, before me personally appeared Kurt J. Casby, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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

