

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>Martin Gerber</td> <td>10/29/2012</td> </tr> <tr> <td>John Burnes</td> <td>10/29/2012</td> </tr> <tr> <td>SuPing Lyu</td> <td>11/01/2012</td> </tr> <tr> <td>VenKatesh R. Manda</td> <td>11/13/2012</td> </tr> <tr> <td>Bryant Pudil</td> <td>10/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Martin Gerber	10/29/2012	John Burnes	10/29/2012	SuPing Lyu	11/01/2012	VenKatesh R. Manda	11/13/2012	Bryant Pudil	10/29/2012
Name	Execution Date												
Martin Gerber	10/29/2012												
John Burnes	10/29/2012												
SuPing Lyu	11/01/2012												
VenKatesh R. Manda	11/13/2012												
Bryant Pudil	10/29/2012												
RECEIVING PARTY DATA													
Name:	Medtronic, Inc.												
Street Address:	710 Medtronic Parkway												
Internal Address:	LC340												
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>13424454</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13424454								
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Application Number:	13424454												
CORRESPONDENCE DATA													
Fax Number:	7635052530												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	763-505-2523												
Email:	juanita.traufler@medtronic.com												
Correspondent Name:	Juanita I. Traufler												
Address Line 1:	710 Medtronic Parkway												
Address Line 2:	LC340												
Address Line 4:	Minneapolis, MINNESOTA 55432												
ATTORNEY DOCKET NUMBER:	P0041416.USU1												

CH \$40.00 13424454

NAME OF SUBMITTER:

Kenneth J. Collier

Total Attachments: 12

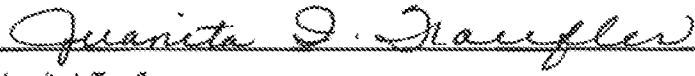
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	13/424,454	
	Filing Date	2012-03-20	
	First Named Inventor	Martin Gerber	
	Art Unit	3767	
	Examiner Name	None	
Total Number of Pages in This Submission	12	Attorney Docket Number	PO041416.USU1

ENCLOSURES (Check all that apply)				
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC		
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences		
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information		
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter		
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):		
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Assignment		
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Recordation Cover Sheet		
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____			
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD			
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53				
<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Remarks</td> </tr> <tr> <td>The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 13-2546.</td> </tr> </table>			Remarks	The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 13-2546.
Remarks				
The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 13-2546.				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Medtronic, Inc.		
Signature	/kenneth j. collier/		
Printed name	Kenneth J. Collier		
Date	November 15, 2012	Reg. No.	34,982

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature		
Typed or printed name	Juanita I. Trauffer	Date
		Nov. 15, 2012

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Martin Gerber

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 29, 2012

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

2. Name and address of receiving party(ies)

Name: Medtronic, Inc.

Internal Address: LC340

Street Address: 710 Medtronic Parkway

City: Minneapolis

State: Minnesota

Country: US Zip: 55432

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

13/424,454

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Kenneth J. Collier

Internal Address: LC340

Street Address: 710 Medtronic Parkway

City: Minneapolis

State: Minnesota Zip: 55432

Phone Number: 763-505-2521

Docket Number: P0041416.USU1

Email Address: ken.collier@medtronic.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 1325446

Authorized User Name Kenneth J. Collier

9. Signature: /Kenneth J. Collier/

11/15/2012

Signature

Date

Kenneth J. Collier

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

John Burnes

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 29, 2012

- Assignment Merger
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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

SuPing Lyu

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

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Internal Address: LC340

Street Address: 710 Medtronic Parkway

City: Minneapolis

State: Minnesota

Country: US Zip: 55432

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) November 1, 2012

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
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 Other _____

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

VenKatesh R. Manda

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

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City: Minneapolis

State: Minnesota

Country: US Zip: 55432

Additional name(s) & address(es) attached? Yes No

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1. Name of conveying party(ies)

Bryant Pudil

Additional name(s) of conveying party(ies) attached? Yes No

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Execution Date(s) October 29, 2012

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ASSIGNMENT

WHEREAS, Martin Gerber; John Burnes; SuPing Lyu; VenKatesh R. Manda and Bryant Pudil, are the inventors of Fluid Volume Monitoring for Patients with Renal Disease for which we have executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States as a Provisional patent application on 4/29/2011 as USSN 61/480,528 and as a NonProvisional patent application on 03/20/2012 as USSN 13/424,454; therefor; 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 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;

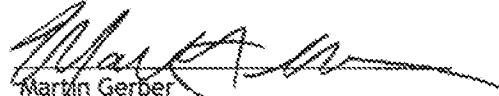
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest 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 my 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 behalf and use and behalf 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, for the consideration aforesaid, I materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, I am 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 I have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, I 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, I, 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.

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 29 day of October, 2012.


Martin Gerber

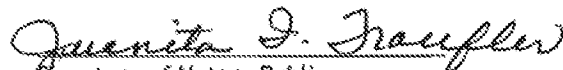
STATE OF Minnesota

ss.

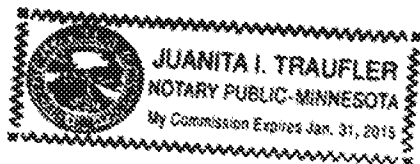
COUNTY OF Anoka

On this 29th day of October, 2012, before me, Juanita I. Traufler, Notary Public, personally appeared Martin Gerber, personally known to me (or provided to me on the basis of satisfactory evidence) to be the person(s) whose name is subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

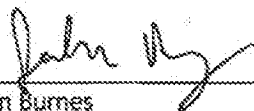

Signature of Notary Public
My Commission Expires: Jan. 31, 2015

SEAL:



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 29th day of October, 2012.



John Burnes

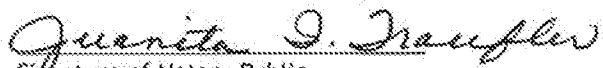
STATE OF Minnesota

ss.

COUNTY OF Anoka

On this 29th day of October, 2012, before me, Juanita I. Trauffer, Notary Public, personally appeared John Burnes, personally known to me (or provided to me on the basis of satisfactory evidence) to be the person(s) whose name is subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

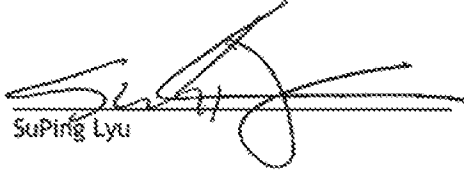
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Signature of Notary Public
My Commission Expires: Jan. 31, 2015

SEAL:

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IN WITNESS WHEREOF, I have hereunto set my hand on this 1st day of November, 2012.


SuPing Lyu

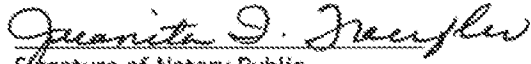
STATE OF Minnesota

ss.

COUNTY OF Anoka

On this 1st day of November, 2012, before me, Juanita I. Traufler, Notary Public, personally appeared SuPing Lyu, personally known to me (or provided to me on the basis of satisfactory evidence) to be the person(s) whose name is subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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SEAL:



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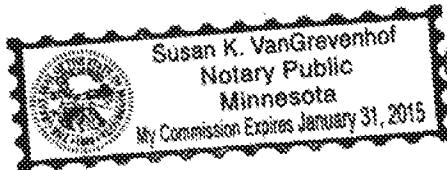



Venkatesh R. Manda

STATE OF Minnesota
COUNTY OF Hennepin ss.

On this 13th day of November, 2012, before me, Venkatesh R. Manda, Notary Public, personally appeared Venkatesh R. Manda, personally known to me (or provided to me on the basis of satisfactory evidence) to be the person(s) whose name is subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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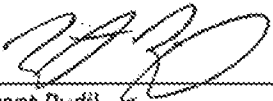


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Bryant Pudil

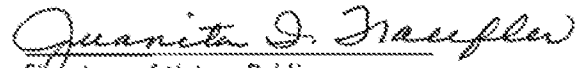
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COUNTY OF Anoka

On this 29th day of October, 2012, before me, Juanita I. Traufler Notary Public, personally appeared Bryant Pudil, personally known to me (or provided to me on the basis of satisfactory evidence) to be the person(s) whose name is subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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


Signature of Notary Public
My Commission Expires: Jan. 31, 2015

SEAL:

