

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT5937730

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT MURRAY	08/20/2012
SAMEER UPADHYAYA	08/20/2012
MARK CASLEY	07/19/2012
PATRICK MACAULAY	08/09/2012
AK MASUD	08/13/2012
PAUL CASSIDY	07/25/2012
DAVID CLARKE	07/18/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MEDTRONIC, INC.
<b>Street Address:</b>	710 MEDTRONIC PARKWAY
<b>City:</b>	MINNEAPOLIS
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55432
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15285784
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	rs.vasciplegal@medtronic.com
<b>Correspondent Name:</b>	MEDTRONIC VASCULAR, INC.
<b>Address Line 1:</b>	3576 UNOCAL PLACE
<b>Address Line 4:</b>	SANTA ROSA, CALIFORNIA 95403
<b>ATTORNEY DOCKET NUMBER:</b>	P0040837.USC19
<b>NAME OF SUBMITTER:</b>	THEODORE P. LOPEZ
<b>SIGNATURE:</b>	/Theodore P. Lopez/
<b>DATE SIGNED:</b>	01/30/2020
<b>Total Attachments: 8</b>	

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## ASSIGNMENT

WHEREAS, we, **ROBERT MURRAY; SAMEER UPADHYAYA; MARK CASLEY; PATRICK MACAULAY; AK MASUD; PAUL CASSIDY; and DAVID CLARKE**, are the inventors of "**DELIVERY CATHETER SYSTEM WITH MICRO AND MACRO MOVEMENT CONTROL**", filed on **May 11, 2012**, U.S. Application, Serial No. **13/469,676** executed by the undersigned on the dates written below; 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, 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, 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 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 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 us had this assignment and sale not been made;

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, 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 ASSIGNEE, its successors or assigns, but at ASSIGNEE'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 20 day of Aug, 2012.

  
ROBERT MURRAY

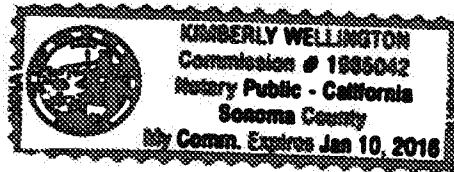
State of California

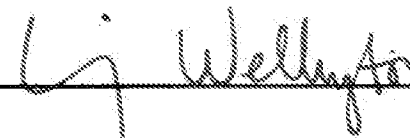
County of Sonoma

On August 20, 2012 before me, Kimberly Wellington, Notary Public, personally appeared **ROBERT MURRAY**, who proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.


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

WITNESS my hand and official seal.



Signature  (Seal)

IN WITNESS WHEREOF, I have hereunto set my hand on this 20<sup>th</sup> day of August, 2012.

  
\_\_\_\_\_  
**SAMEER UPADHYAYA**

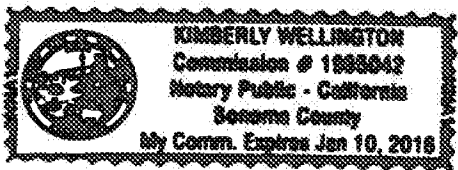
State of California

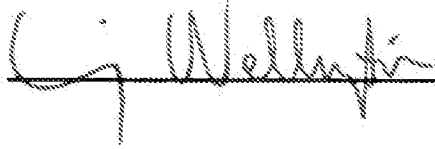
County of Sonoma

On August 20, 2012 before me, Kimberly Wellington Notary Public, personally appeared **SAMEER UPADHYAYA**, who proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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)

IN WITNESS WHEREOF, I have hereunto set my hand on this 19 day of Feb, 2012.

  
\_\_\_\_\_  
MARK CASLEY

WITNESS BY:

  
\_\_\_\_\_  
Signature

FARIDA SEDDIQI  
\_\_\_\_\_  
Name

IN WITNESS WHEREOF, I have hereunto set my hand on this 9 day of AUG, 2012.

Patrick Macaulay  
PATRICK MACAULAY

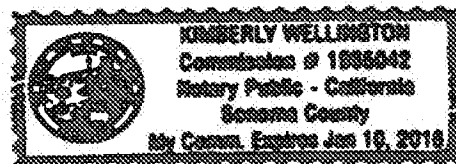
State of California

County of Sonoma

On August 9, 2012 before me, Kimberly Wellington, Notary Public, personally appeared **PATRICK MACAULAY**, who proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Kimberly Wellington (Seal)

IN WITNESS WHEREOF, I have hereunto set my hand on this 13 day of Aug., 2012.

*AK MASUD*  
AK MASUD

State of Minnesota

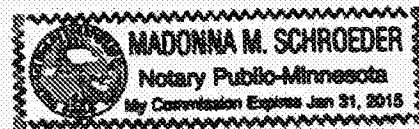
County of Ramsey

On August 13, 2012 before me, Madonna Schroeder, Notary Public,

personally appeared AK MASUD, who proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.



Signature *AK MASUD* (Seal)



IN WITNESS WHEREOF, I have hereunto set my hand on this 25 day of July, 2012.

Paul Cassidy  
PAUL CASSIDY

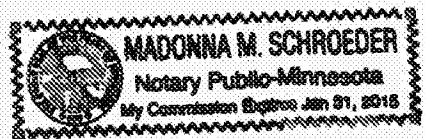
State of Minnesota

County of Ramsey

On July 25, 2012 before me, Madonna Schroeder, Notary Public, personally appeared PAUL CASSIDY, who proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.



Signature Madonna Schroeder (Seal)

IN WITNESS WHEREOF, I have hereunto set my hand on this 18 day of July, 2012.

David Clarke  
DAVID CLARKE

WITNESS BY:

Mary O'Malley  
Signature

MARY O'MALLEY  
Name