

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4773550

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRYANT J. PUDIL	04/16/2014
MARTIN T. GERBER	04/22/2014
DAVID B. LURA	04/16/2014
THOMAS E. MEYER	04/16/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MEDTRONIC, INC.
<b>Street Address:</b>	710 MEDTRONIC PARKWAY N.E.
<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>	15869296
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)492-5785
<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>Phone:</b>	203-492-5000
<b>Email:</b>	SurgicalUS@covidien.com, medtronic_mitg-rcs_docketing@cardinal-ip.com
<b>Correspondent Name:</b>	MEDTRONIC, INC.
<b>Address Line 1:</b>	60 MIDDLETOWN AVENUE
<b>Address Line 2:</b>	MAILSTOP 54, LEGAL DEPT.
<b>Address Line 4:</b>	NORTH HAVEN, CONNECTICUT 06473
<b>ATTORNEY DOCKET NUMBER:</b>	C00006160.USC10(MED-29063
<b>NAME OF SUBMITTER:</b>	KENNETH J. COLLIER
<b>SIGNATURE:</b>	/Kenneth J. COLLIER, Reg. #34982/
<b>DATE SIGNED:</b>	01/12/2018
<b>Total Attachments: 5</b>	
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ASSIGNMENT

WHEREAS, Bryant J. Pudil; Martin T. Gerber; David B. Lura and Thomas E. Meyer, are the inventors of Module for In-Line Recharging of Sorbent Materials with Optional ByPass 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 filed on 2/26/14 as USSN 61/945,073; Provisional patent application filed on 2/19/14 as USSN 61/941,672 and Provisional patent application filed on 11/26/13 as USSN 61/909,372; 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;

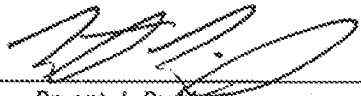
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest 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 of 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 16 day of April, 2014.

  
Bryant J. Pudil

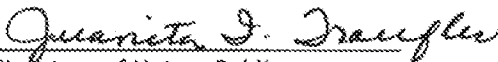
STATE OF Minnesota

ss.

COUNTY OF Anoka

On this 16<sup>th</sup> day of APRIL, 2014, before me, Juanita I. Traufler Notary Public, personally appeared Bryant J. 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:



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 22 day of April, 2014.

*Martin T. Gerber*  
Martin T. Gerber

STATE OF Minnesota

ss.

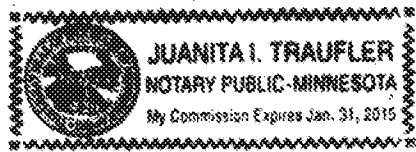
COUNTY OF Anoka

On this 22<sup>nd</sup> day of April, 2014, before me, Juanita I. Traufler, Notary Public, personally appeared Martin T. 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.

*Juanita I. Traufler*  
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 16 day of April, 2014.

  
\_\_\_\_\_  
David B. Lura

STATE OF Minnesota

ss.

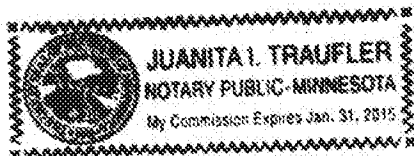
COUNTY OF Anoka

On this 16<sup>th</sup> day of APRIL, 2014, before me, Juanita I. Traufler Notary Public, personally appeared David B. Lura, 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.

Juanita I. Traufler  
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 16 day of APRIL, 2014.

Thomas E. Meyer  
Thomas E. Meyer

STATE OF Minnesota

ss.

COUNTY OF Anoka

On this 16<sup>th</sup> day of APRIL, 2014, before me, Juanita I. Traufler, Notary Public, personally appeared Thomas E. Meyer, 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.

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

SEAL:

