

PATENT ASSIGNMENT COVER SHEET

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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>DESMOND BARRY KEENAN</td> <td>01/30/2014</td> </tr> <tr> <td>JOHN J. MASTROTOTARO</td> <td>01/31/2014</td> </tr> <tr> <td>BENYAMIN GROSMAN</td> <td>01/30/2014</td> </tr> <tr> <td>ANIRBAN ROY</td> <td>01/30/2014</td> </tr> </tbody> </table>		Name	Execution Date	DESMOND BARRY KEENAN	01/30/2014	JOHN J. MASTROTOTARO	01/31/2014	BENYAMIN GROSMAN	01/30/2014	ANIRBAN ROY	01/30/2014
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DESMOND BARRY KEENAN	01/30/2014										
JOHN J. MASTROTOTARO	01/31/2014										
BENYAMIN GROSMAN	01/30/2014										
ANIRBAN ROY	01/30/2014										
RECEIVING PARTY DATA											
Name:	MEDTRONIC MINIMED, INC.										
Street Address:	18000 DEVONSHIRE STREET										
City:	NORTHRIDGE										
State/Country:	CALIFORNIA										
Postal Code:	91325-1219										
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>14174501</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14174501						
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Application Number:	14174501										
CORRESPONDENCE DATA											
Fax Number:	(480)385-5061										
Phone:	(480) 385-5060										
Email:	docketing@ifllaw.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	INGRASSIA FISHER & LORENZ, P.C.										
Address Line 1:	7010 E. COCHISE ROAD										
Address Line 4:	SCOTTSDALE, ARIZONA 85253										
ATTORNEY DOCKET NUMBER:	009.5080										
NAME OF SUBMITTER:	JAMES R. WALTERS										
Signature:	/JAMES R. WALTERS, REG. NO. 61,523/										

Date:

02/06/2014

Total Attachments: 4

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ASSIGNMENT

Attorney Docket No.: 009.5080

(1-4) Insert Name(s) of Inventor(s)

- (1) DESMOND BARRY KEENAN
- (2) JOHN J. MASTROTOTARO
- (3) BENYAMIN GROSMAN
- (4) ANIRBAN ROY

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned (the receipt of which is hereby acknowledged), the undersigned agree(s) to assign, and hereby does assign, transfer, sell and set over to

(5) Insert name of Assignee

(5) MEDTRONIC MINIMED, INC.

(6) Insert state of Incorporation of Assignee

(6) Delaware

(7) Insert address of Assignee

(7) of 18000 Devonshire Street, Northridge, CA 91325-1219 (hereinafter designated as the Assignee), its successors and assigns, the entire worldwide right, title and interest in the invention (and any and all applications and all patents which may be granted on the invention) known as

(8) Insert identification of Invention, such as Title, Case Number or Foreign Application Number

(8) **AUTOMATIC CLOSED-LOOP CONTROL ADJUSTMENTS AND INFUSION SYSTEMS INCORPORATING SAME** for which the undersigned has (have) executed an application for patent in the United States of America as the inventor (inventors)

(9) Insert Date of Signing of Application

(9) on January 30, 2014; and January 31, 2014

For the aforementioned consideration, the undersigned does (do) materially represent to the Assignee, its successors and assigns, that at the time of the execution of this assignment that the undersigned is (are) a lawful owner(s) of the entire right, title and interest in and to the invention and the above-identified application for patent, and that the same is unencumbered, and that the undersigned has (have) good right(s) and lawful authority to sell and convey the same in the manner set forth herein.

The undersigned further agree(s):

- a) to execute all papers necessary in connection with an application in any country of the world and any extension, reissue, reexamination, continuation-in-part, continuation or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient;
- b) to execute all papers necessary in connection with any interference which may be declared concerning this application or extension, reissue, reexamination, continuation-in-part, continuation or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference;
- c) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements (including the Patent Cooperation Treaty, Paris Convention, etc.) for any application filed in a foreign country claiming priority to the invention;

d) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States Patent or other international application or foreign country patent to the Assignee;

e) to hereby authorize(s) and request(s) the Director of the United States Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from the application or any extension, reissue, reexamination, continuation-in-part, continuation or divisional applications thereof to the Assignee, as Assignee of the entire right, title and interest in and to the same, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, any agreement in conflict herewith; and

f) to hereby appoint:

Paul H. Kovelman, Reg. No. 35,228
Ajit S. Narang, Reg. No. 55,480
Eric S. Chen, Reg. No. 43,542
Konrad K. Chan, Reg. No. 57,857
Sharon E. Mughal, Reg. No. 59,816
Vivian S. Shin, Reg. No. 43,919
Richard K. Yoon, Reg. No. 42,247
Michael J. Jaro, Reg. No. 34,472

and all of the firm of Ingrassia Fisher & Lorenz, P.C.:


Vincent B. Ingrassia, Reg. No. 25,732
Mark M. Takahashi, Reg. No. 38,631
Erica K. Schaefer, Reg. No. 55,861
James R. Walters, Reg. No. 61,523

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 1/30/2014

Signature of Inventor (1): 
Name of Inventor: DESMOND BARRY KEENAN

Date: 1/31/2014

Signature of Inventor (2): 
Name of Inventor: JOHN J. MASTROTOTARO

Date: 01/30/2014

Signature of Inventor (3): 
Name of Inventor: BENYAMIN GROSMAN

Date: 1/30/2014

Signature of Inventor (4): 
Name of Inventor: ANIRBAN ROY

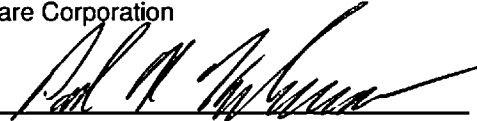
ACCEPTANCE:

The undersigned, MEDTRONIC MINIMED, INC., a Delaware corporation, hereby declares that it has accepted the foregoing assignment.

SIGNED AND SEALED this 5th day of February, 2014.

ASSIGNEE:

MEDTRONIC MINIMED, INC.,
a Delaware Corporation

By: 

Name: Paul H. Kovelman

Title: Chief Patent Counsel