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10-28-1999

FORM PTO 1584
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ASSIC



SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101185754

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Girard B. Borgerding
John G. Keimel

Name and address of receiving party(ies):

Name: MEDTRONIC, INC.

Internal Address: M.S. 301

Street Address: 7000 CENTRAL AVENUE NORTHEAST

City: MINNEAPOLIS State: MN Zip: 55432

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date:

Gerard B. Borgerding 26 July 1999
John G. Keimel 4 August 1999

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/250.065

Additional numbers attached? []Yes [x]No

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

Name: REED A. DUTHLER

Address: MEDTRONIC, INC.
7000 Central Avenue N.E.
M.S. 301
Minneapolis, Minnesota 55432

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account Number: 13-2546
(Attach duplicate copy of this page)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

REED A. DUTHLER
Name of Person Signing

Signature

10/20/99
Date

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PATENT
REEL: 010333 FRAME: 0544

ASSIGNMENT RECO
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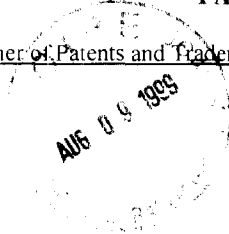
~~08-13-1999~~


To the Honorable Commissioner of Patents and Trademark

~~101116543~~ documents or copy thereof.

1. Name of conveying party(ies):

Suribhotla V. Rajaseka
Girard B. Borgerding
John G. Keimel



2. Name and address of receiving party(ies):

Name: MEDTRONIC, INC.

Internal Address: M.S. 301

Street Address: 7000 CENTRAL AVENUE NORTHEAST

City: MINNEAPOLIS State: MN Zip: 55432

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

8.09.99

Execution Date:

Gerard B. Borgerding 26 July 1999
John G. Keimel 4 August 1999

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

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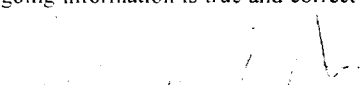
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Name of Person Signing


Signature

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Date

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ASSIGNMENT

G.B.S

WHEREAS, WE, Suribhotla V. Rajasekhar, Gerard B. Borgerding and John G. Keimel, are the inventors of Implantable Device with Automatic Sensing Adjustment 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 on February 12, 1999, SN: 09/250,065; 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 7000 Central Avenue 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 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, 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 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 26TH day of July, 1999.

Gerard B. Borgerding
Gerard B. Borgerding
G B B

STATE OF MINNESOTA

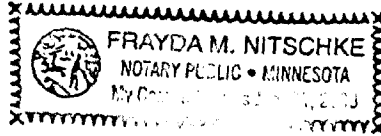
ss.

COUNTY OF ANOKA

On this 26th day of July, 1999, before me personally appeared Gerard B. Borgerding, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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.

Frayda M. Nitschke
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 4th day of AUGUST, 1999.


John G. Keimel

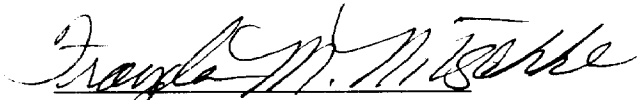
STATE OF MINNESOTA

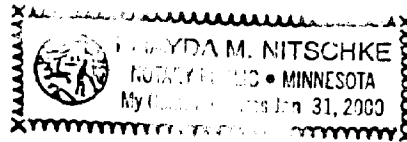
ss.

COUNTY OF ANOKA

On this 4th day of AUGUST, 1999, before me personally appeared John G. Keimel, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL

*In re Application of: Rajasekhar et al
For IMPLANTABLE DEVICE WITH AUTOMATIC SENSING ADJUSTMENT
Serial No.: 09/250,065
Filed: February 12, 1999

CERTIFICATE OF MAILING UNDER 37 CFR 1.8: I hereby certify that this TRANSMITTAL and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to U.S. Patent and Trademark Office, Assignment Division, Box Assignments CG-4, 1213 Jefferson Davis Hwy, Suite 320, Washington, D.C. 20231 on this 21ST day of OCTOBER, 1999.

Frayda M. Nitschke
Signature
FRAYDA M. NITSCHKE
Printed Name

U.S. Patent and Trademark Office
Assignment Division
Box Assignments, CG-4
1213 Jefferson Davis Highway, Suite 320
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- Transmittal
- Two Form PTO-1584 Assignment Recordation Cover Sheets
- Two Assignments
- Copy of Two United States Patent and Trademark Office Notice of Non-Recordation of Document
- Return Postcard

Applicant hereby petitions for a ____ month(s) extension of time. If an additional extension of time is required, please consider this a petition therefor

Applicant believes that the Assignment fees have been charged to Deposit Account 13-2546. If the fee has not been charged, please charge Deposit Account: 13-2546 \$40.00 Assignment Recordation Fee for each Assignment.

Applicant believes that no extension of term is required. However, if an extension of time is required, please consider this a petition therefor to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time and charge same to Deposit Account 13-2543.

10/20/99
Date

Reed A. Duthier
Reed A. Duthier
Reg. No. 30,401
MEDTRONIC, INC
7000 Central Avenue N.E.
Minneapolis, Minnesota 55432
Telephone: (612) 514-3351

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL

*In re Application of: Rajasekhar et al
For: IMPLANTABLE DEVICE WITH AUTOMATIC SENSING ADJUSTMENT
Serial No : 09/250,065
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FRAYDA M. NITSCHKE
Signature
FRAYDA M. NITSCHKE
Printed Name

U S. Patent and Trademark Office
Assignment Division
Box Assignments, CG-4
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Washington, D.C. 20231

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Date 10/26/99

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Minneapolis, Minnesota 55432
Telephone: (612) 514-3351