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FORM PTO-1584
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101306810

To the Honorable Commissioner of Patents and Trademarks, in documents or copy thereof.

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

ARNOLDUS BAKELS
NICOLAAS LOKHOFF

Name: MEDTRONIC, INC.

Internal Address: THOMAS F. WOODS

MS 301

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

3. Nature of conveyance:

Street Address: 7000 CENTRAL AVENUE NE

- [X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

City: MINNEAPOLIS State: MN ZIP: 55432

Execution Date: JANUARY 17, 2000

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

4. Application number(s) or patent number(s): 09/487,788 (P-3474)

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

A. Patent Application No.(s) 09/487,788

B. Patent No.(s)

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

Additional numbers attached? [] Yes [x] No

6. Total number of applications and patents involved: 1

Name: Thomas F. Woods

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

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

[] Enclosed
[X] Authorized to be charged to deposit account

8. Deposit Account Number: 13-2546

(Attach duplicate copy of this page)

DO NOT USE THIS SPACE

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.

Thomas F. Woods

Name of Person Signing

Thomas F. Woods

Signature

2-25-00

Date

Total number of pages including cover sheet, attachments and document: 1

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2 1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

04/05/2000 TT0N11 00000077 132546 09487788
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PATENT
REEL: 010650 FRAME: 0106

ASSIGNMENT

WHEREAS, WE ARNOLDUS BAKELS AND NICOLAAS LOKHOFF are the joint inventors of MEDICAL ELECTRICAL LEAD HAVING PRE-FORMED ATRIAL SECTION 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 the dates noted below ; 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;

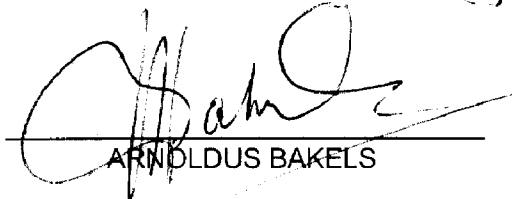
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest 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 therefore 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 17 day of January, 2000.


ARNOLDUS BAKELS

STATE OF the Netherlands

ss.

COUNTY OF Maastricht

On this 11th day of February, 2000, before me personally appeared ARNOLDUS BAKELS, 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.



Mr M.P.P.F. Groutars
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 17 day of January, 2000.


NICOLAAS LOKHOFF

STATE OF the Netherlands

ss.

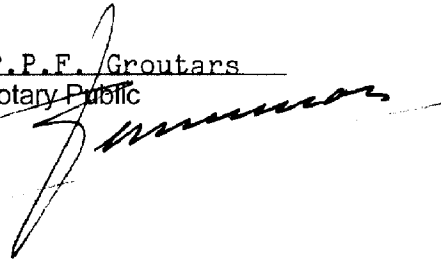
COUNTY OF Maastricht

On this 11th day of February, 2000, before me personally appeared NICOLAAS LOKHOFF, 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.



Mr. M.P.P.F. Groutars
Notary Public



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL

In re Application of: **ARNOLDUS BAKELS ET AL.**
For: **MEDICAL ELECTRICAL LEAD HAVING PRE-FORMED ATRIAL SECTION**
Serial No.: **09/487,788**
Filed: **January 20, 2000**

**Box Assignment**

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Via Courier

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal (in duplicate)
- ☒ Assignment
- ☒ Recordation Form Cover Sheet (in duplicate)
- ☒ Return Postcard

- ☐ Applicant hereby petitions for a 0 month(s) extension of time. If an additional extension of time is required, please consider this a petition therefore.
- ☒ Charge Deposit Account No. 13-2546 the sum of \$ 40 (Recordal fee).
- ☒ Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked on this Amendment Transmittal with regard to this filing. A duplicate of this transmittal is enclosed.
- ☒ Applicant believes that no extension of term is required. However, if an extension of time is required, please consider this a petition therefore to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.

Date

2-25-2000


Thomas F. Woods
Reg. No. 36,726
MEDTRONIC, INC.
7000 Central Avenue N.E.
Minneapolis, Minnesota 55432
Telephone: (612) 574-3652