



102221521

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

1. Name of conveying party(ies):

Elisabeth L. Belden
Eric V. Blaha
Eric H. Bonde
Ryan Cobian
Steven D. Goedeke
Gregory J. Haubrich
Douglas N. Hess
Nels D. Nerison
John L. Sommer
David L. Thompson
Jonathan C. Werder

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

Name: MEDTRONIC, INC..
Internal Address: M.S. LC 340
Street Address: 710 Medtronic Parkway
City: MINNEAPOLIS State: MN Zip: 55432

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

3. Nature of conveyance:

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

Execution Date: 07/11/2002 Elisabeth L. Belden
07/09/2002 Eric V. Blaha
07/12/2002 Eric H. Bonde
07/26/2002 Ryan Cobian
07/09/2002 Steven D. Goedeke
09/04/2002 Gregory J. Haubrich

Additional name(s) & address(es) attached? [] Yes [X] No
07/24/2002 Douglas N. Hess
07/12/2002 Nels D. Nerison
07/10/2002 John L. Sommer
07/22/2002 David L. Thompson
07/18/2002 Jonathan C. Werder

4. Application number(s) or patent number(s): 10/137,158

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

A. Patent Application No.(s)

Additional numbers attached? [] Yes [X] No

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

Name: Paul H. McDowall

Address:



27581

6. Total number of applications and patents involved: 1

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

[] 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.

Paul H. McDowall
Name of Person Signing

Paul H. McDowall
Signature
4 Sept '02
Date

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

09/13/2002 LNUELLER 00000094 132546 10137158

Total number of pages including cover sheet, attachments and document: 13

Do not detach this portion

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Mail documents to be recorded with required cover sheet information to:

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

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ASSIGNMENT

WHEREAS, WE, Elisabeth L. Belden, Eric V. Blaha, Eric H. Bonde, Ryan Cobian, Steven D. Goedeke, Gregory J. Haubrich, Douglas N. Hess, Nels D. Nerison, John L. Sommer, David L. Thompson, Jonathan C. Werder, are the inventors of ENHANCED METHOD AND APPARATUS TO IDENTIFY AND CONNECT A SMALL DIAMETER LEAD WITH A LOW PROFILE LEAD CONNECTOR 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 July 9, 2002, 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 55432-5640, 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 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 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 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, we materially represent to Corporation, 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 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, 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 Corporation, its successors or assigns, but at Corporation's expense.

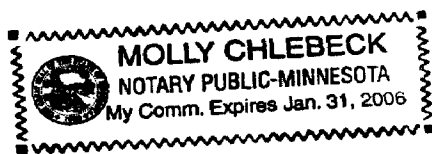
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 17th day of July, 2002.

Elisabeth L. Belden
Elisabeth L. Belden

On this 17th day of July, 2002, before me personally appeared Elisabeth L. Belden, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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.



Molly Chlebeck
Notary Public

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

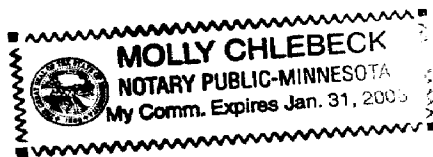
IN WITNESS WHEREOF, I have hereunto set my hand on this 9th day of July, 2002.



Eric V. Blaha

On this 9th day of July, 2002, before me personally appeared Eric V. Blaha, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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

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 12th day of July, 2002.

Eric H. Bonde
Eric H. Bonde

On this 12th day of July, 2002, before me personally appeared Eric H. Bonde, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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.

Susan M. McCoy
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 26 day of July, 2002.



Ryan Cobian

On this 26th day of July, 2002, before me personally appeared Ryan Cobian, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

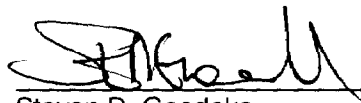
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Notary Public

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 9th day of July, 2002.


Steven D. Goedeke

On this 9th day of July, 2002, before me personally appeared Steven D. Goedeke, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

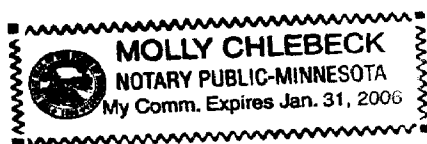
IN WITNESS WHEREOF, I have hereunto set my hand on this 4TH day of SEPT., 2002.

Gregory J. Haubrich
Gregory J. Haubrich

On this 4th day of September, 2002, before me personally appeared Gregory J. Haubrich, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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.

Molly Chlebeck
Notary Public




I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

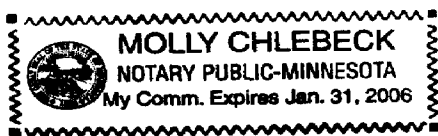
IN WITNESS WHEREOF, I have hereunto set my hand on this 24 day of July, 2002.


Douglas N. Hess

On this 24th day of July, 2002, before me personally appeared Douglas N. Hess, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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



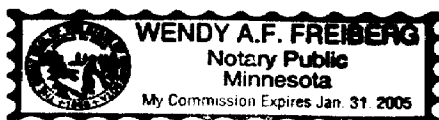
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

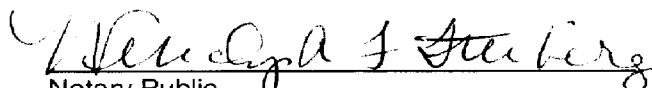
IN WITNESS WHEREOF, I have hereunto set my hand on this 12th day of July, 2002.


Nels D. Nerison

On this 12th day of July, 2002, before me personally appeared Nels D. Nerison, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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

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 10 day of July, 2002.

John L. Sommer
John L. Sommer

On this 10th day of July, 2002, before me personally appeared John L. Sommer, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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.



Molly Chlebeck
Notary Public

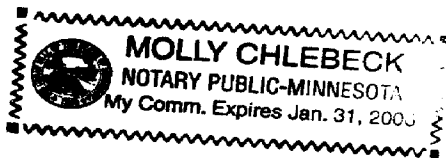
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 22nd day of July, 2002.

David L. Thompson
David L. Thompson

On this 22nd day of July, 2002, before me personally appeared David L. Thompson, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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.



Molly Chlebeck
Notary Public

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

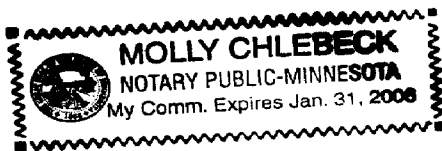
IN WITNESS WHEREOF, I have hereunto set my hand on this 18 day of July, 2002.

Jonathan C. Werder
Jonathan C. Werder

On this 18th day of July, 2002, before me personally appeared Jonathan C. Werder, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her 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.

Molly Chlebeck
Notary Public



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL

In re Application of: Elisabeth L. Belden et al.
For: ENHANCED METHOD AND APPARATUS TO IDENTIFY AND CONNECT A SMALL DIAMETER
LEAD WITH A LOW PROFILE LEAD CONNECTOR
Serial No.: 10/137,158
Filed: April 30, 2002

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, Washington, D.C. 20231 on this 4th day of September 2002.

Molly Chlebeck
Signature
MOLLY CHLEBECK
Printed Name

Commissioner for Patents
Washington, D.C. 20231
Attn: Box Assignment

Sir:

We are transmitting herewith the attached:

- ☒ Assignment
- ☒ Assignment Cover Sheet
- ☒ Return Postcard

☒ Please charge Deposit Account 13-2546 for the Assignment Recordal Fee **for a Total of \$40.00.**

☒ 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 13-2546.

4 Sept. 2002
Date

Paul H. McDowall
Atty: Paul H. McDowall
Reg. No. 34,873
Telephone: (763) 514-3351



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