

02-24-2003



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FORM PTO-1584  
1-31-92  
P9167.00

VI COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

1. Name of conveying party(ies):

Kent E. Samuelson  
Michael T. Hemming  
Michael W. Heinks  
Ross O. Starkson  
Lori Durose-Schrimpf  
John D. Wahlstrand

2-1903

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: 01/06/2003 Kent E. Samuelson  
01/06/2003 Michael T. Hemming  
01/06/2003 Michael W. Heinks  
01/06/2003 Ross O. Starkson  
12/04/2002 Lori Durose-Schrimpf  
12/03/2002 John D. Walstrand

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

4. Application number(s) or patent number(s): 10/261,314

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

A. Patent Application No.(s)

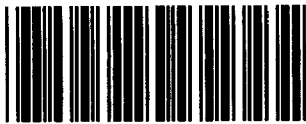
Additional numbers attached? [ ]Yes [X]No

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

Name: Girma Wolde-Michael  
Address:

6. Total number of applications and patents involved:..... 1

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



27581

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

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

RECORDS SECTION  
MAR 8 09

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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.

Girma Wolde-Michael  
Name of Person Signing

Girma Wolde-Michael  
Signature

02/14/03  
Date

Total number of pages including cover sheet, attachments and document: 8

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

02/21/2003 101021 0000051 132546 10261314

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

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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), 1Washington, D.C. 20503.

PATENT  
REEL: 013764 FRAME: 0882

## **ASSIGNMENT**

WHEREAS, WE, Kent E. Samuelson, Michael T. Hemming, Michael W. Heinks, Ross O. Starkson, Lori Durose-Schrimpf and John D. Wahlstrand, are the inventors of EGM SIGNAL ACQUISITION AND PROCESSING SYSTEM 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 December 3, 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.

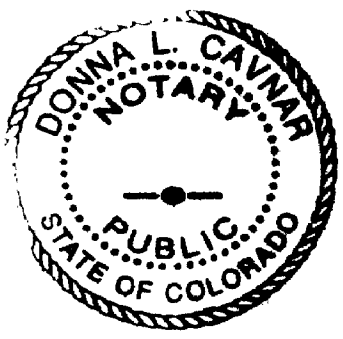
IN WITNESS WHEREOF, I have hereunto set my hand on this 6 day of January, 2003.

Kent E. Samuelson  
Kent E. Samuelson

On this 6<sup>th</sup> day of January, 2003, before me personally appeared Kent E. Samuelson, 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.

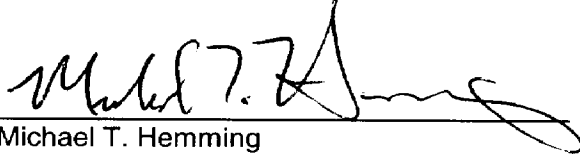
Donna L. Cavnar  
Notary Public



Expires **08-02-04**

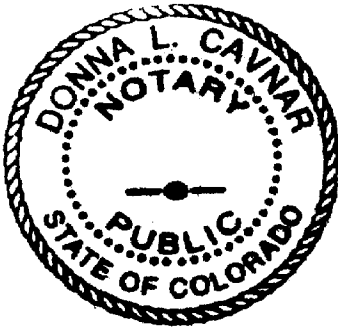
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.


IN WITNESS WHEREOF, I have hereunto set my hand on this 6<sup>th</sup> day of January, 2003.

  
Michael T. Hemming

On this 6<sup>th</sup> day of JANUARY, 2003, before me personally appeared Michael T. Hemming, 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.

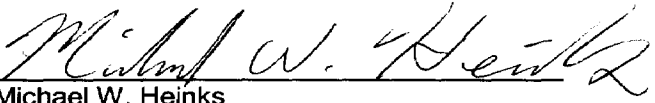


  
Notary Public

**My Commission Expires 08-02-04**

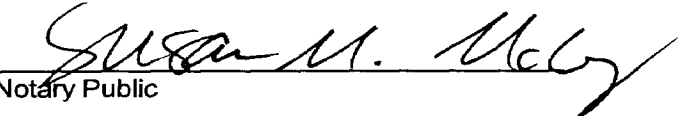
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 6<sup>th</sup> day of January, 2003.

  
Michael W. Heinks

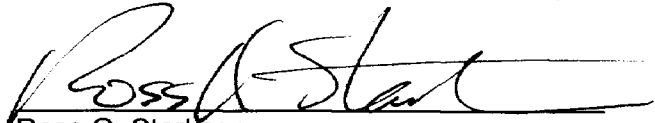
On this 6<sup>th</sup> day of January, 2003, before me personally appeared Michael W. Heinks, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

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

  
Notary Public

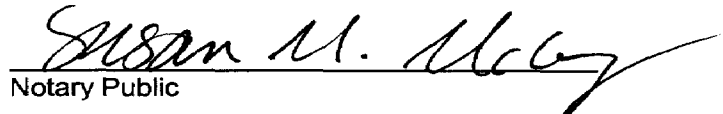
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 6<sup>th</sup> day of January, 2003.

  
Ross O. Starkson

On this 6<sup>th</sup> day of January, 2003, before me personally appeared Ross O. Starkson, 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

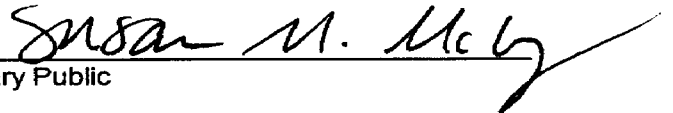
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

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

  
Lori Durose-Schrimpf

On this 4<sup>th</sup> day of December, 2002, before me personally appeared Lori Durose-Schrimpf, 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

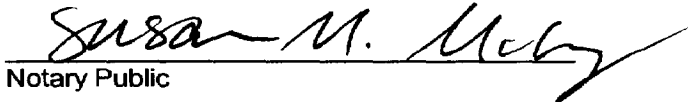
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 3<sup>rd</sup> day of DEC, 2002.

  
John D. Wahlstrand

On this 3<sup>rd</sup> day of December, 2002, before me personally appeared John D. Wahlstrand, 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

ASSIGNMENT  
Page 7 of 7