

03-17-2004

FORM PTO-1584

ASSIC



SHEET

U.S. DEPARTMENT OF COMMERCE

1-31-92

P-10855.01

3.1504

102697047

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):

Philip J. Haarstad Christopher P. Olig Paul T. Rothstein
 Michael J. Hobday William A. Steinberg David J.S. Kim
 Thomas P. Daigle Ann M. Thomas Brian J. Ross
 Steven C. Christian Robert H. Reetz Douglas H. Gubbin
 Additional name(s) of conveying party(ies) attached? [] Yes [X] No

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

3. Nature of conveyance:

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

Execution Date: February 17, 25, 26 and March 2, and 8, 2004

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

4. Application number(s) or patent number(s): 10/675,815

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 Daniel W. Latham
 Address: MEDTRONIC, INC.
710 Medtronic Parkway
Minneapolis, Minnesota 55432

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

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.

Daniel W. Latham
 Name of Person Signing

[Signature]
 Signature

3/8/2004
 Date

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

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

Do not detach this portion

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

03/16/2004 LAMUELLER 00000009 132546 10675815
 01 FC:6021 40.00 DA

Mail Stop Assignment
 Recordation Services
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

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.

PATENT
 REEL: 015081 FRAME: 0192

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL

*In re Application of: Haarstad et al
For: Methods And Apparatus Providing Suction-Assisted Tissue Engagement Through A Minimally Invasive Incision
Serial No.: 10/675,815
Filed: 09-30-2003

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 Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 9th day of March, 2004.

Barbara J. Lakanen
Signature

Barbara J. Lakanen
Printed Name

Mail Stop Assignment
Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the attached:

- ☒ Transmittal
- ☒ Assignment Cover Sheet
- ☒ Assignment
- ☒ 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.
- ☒ Please charge Deposit Account 13-2546 \$40 for 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.

Date

3/8/2004

Daniel W. Latham
Atty: Daniel W. Latham
Reg. No. 30,401
Telephone: (763) 391-9661
Customer No.: 27581

ASSIGNMENT

WHEREAS, WE, Philip J. Haarstad, Christopher P. Olig, Paul T. Rothstein, Michael J. Hobday, William A. Steinberg, David J.S. Kim, Thomas P. Daigle, Ann M. Thomas, Brian J. Ross, Steven C. Christian, Robert H. Reetz and Douglas H. Gubbin, are the inventors of METHODS AND APPARATUS PROVIDING SUCTION-ASSISTED TISSUE ENGAGEMENT THROUGH A MINIMALLY INVASIVE INCISION 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 September 30, 2003; 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, 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, 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, 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 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, 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 25TH day of FEBRUARY, 2004.


Philip J. Haarstad

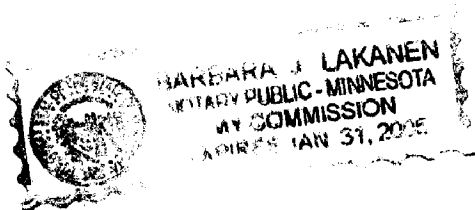
STATE OF MINNESOTA

COUNTY OF Anoka SS.

On this 25th day of February, 2004, before me personally appeared Philip J. Haarstad, 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



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 25th day of February, 2004.



Christopher P. Olig

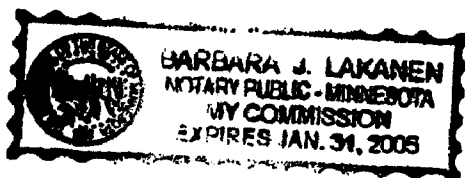
STATE OF Minnesota

SS.

COUNTY OF Anoka

On this 25th day of February, 2004, before me personally appeared Christopher P. Olig, 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.






Barbara J. Lakonen
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 26th
day of FEBRUARY, 2004.


Paul T. Rothstein

STATE OF Minnesota

ss.

COUNTY OF Anoka

On this 26th day of February, 2004, before me personally appeared Paul T. Rothstein, 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.

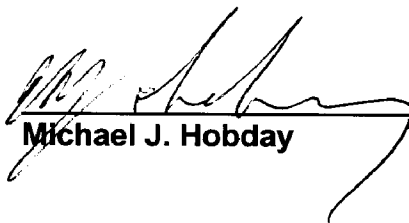
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Barbara J. Lakanen
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 25th
day of February, 2004.



Michael J. Hobday

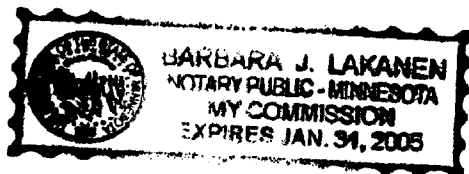
STATE OF Minnesota

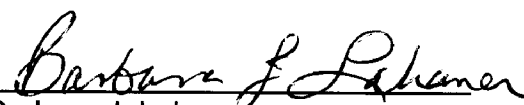
ss.

COUNTY OF Anoka

On this 25th day of February, 2004, before me personally appeared Michael J. Hobday, 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.

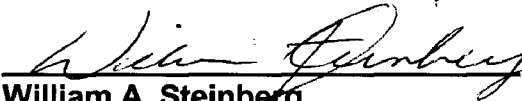




Barbara J. Lakanen
Notary Public

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 2nd
day of MARCH 2004.


William A. Steinberg

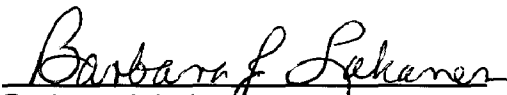
STATE OF Minnesota

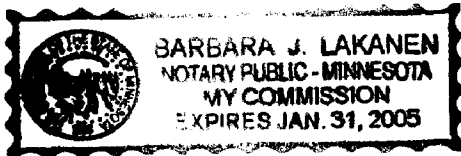
ss.

COUNTY OF Anoka

On this 2nd day of March, 2004, before me personally appeared William A. Steinberg, 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.


Barbara J. Lakanen
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 25th
day of Feb 2004.

David J.S. Kim
David J.S. Kim

STATE OF Minnesota

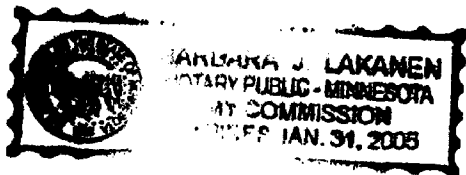
ss.

COUNTY OF Anoka

On this 25th day of February 2004, before me personally appeared David J.S. Kim, 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.

Barbara J. Lakanen
Barbara J. Lakanen
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 25TH
day of FEBRUARY 2004.

Thomas P. Daigle
Thomas P. Daigle

STATE OF Minnesota

SS.

COUNTY OF Anoka

On this 25th day of February 2004, before me personally appeared Thomas P. Daigle, 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.



Barbara J. Lakanen
Barbara J. Lakanen
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 February 17th
day of February 2004. 07-12-February

Ann M. Thomas
Ann M. Thomas

STATE OF Minnesota

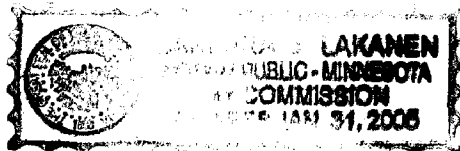
ss.

COUNTY OF Anoka

On this 17th day of February 2004, before me personally appeared Ann M. Thomas, 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.

Barbara J. Lakeren
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 8TH
day of MARCH 2004.


Brian J. Ross

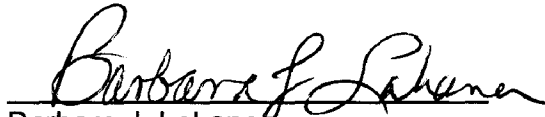
STATE OF Minnesota

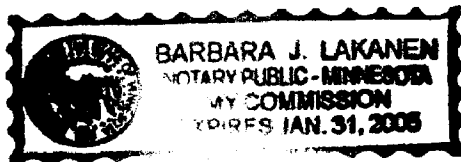
ss.

COUNTY OF Anoka

On this 8TH day of MARCH 2004, before me personally appeared Brian J. Ross, 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.


Barbara J. Lakanen
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 25th
day of February 2004.


Steven C. Christian

STATE OF Minnesota

ss.

COUNTY OF Anoka

On this 25th day of February 2004, before me personally appeared Steven C. Christian, 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.

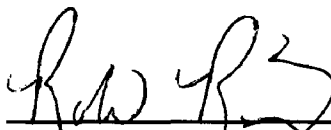
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.




Barbara J. Lakamen
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 25TH
day of FEBRUARY 2004.



Robert H. Reetz

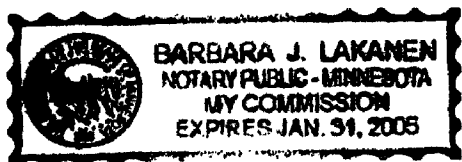
STATE OF Minnesota

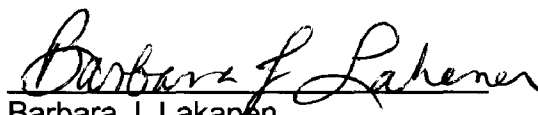
ss.

COUNTY OF Anoka

On this 25 day of FEBRUARY 2004, before me personally appeared Robert H. Reetz, 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.

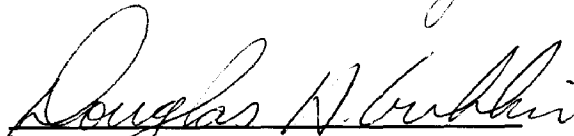




Barbara J. Lakanen
Notary Public

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 February 25, 2004
day of February 2004.


Douglas H. Gubbin

STATE OF Minnesota

ss.

COUNTY OF Anoka

On this 25th day of February 2004, before me personally appeared Douglas H. Gubbin, 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.


Barbara J. Lakanen
Notary Public

