

FORM PTO-1584

1-31-92

P8564.00

ASSIGNMENT RECORDATION FORM COVER SHEET PATENTS ONLY

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):

Berthold Kramm

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

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: 03/02/2005 Berthold Kramm

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

4. Application number(s) or patent number(s): 10/131,417

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:
Customer No. 27581

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

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

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

[] Enclosed

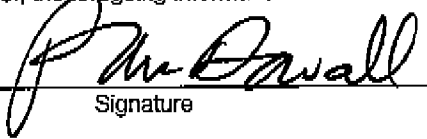
[X] Authorized to be charged to deposit account

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


Signature

18 Feb 05
Date

Total number of pages including cover sheet, attachments and document: 3

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

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

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 Commissioner for Patents, P.O. Box 1450
 Alexandria, VA 22313-1450

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PATENT
REEL: 016555 FRAME: 0224

CH \$40.00 132546 10131417

ATTORNEY DOCKET: P-8564.00

ASSIGNMENT

WHEREAS, I, Berthold Kramm, am the sole inventor of VENTRICULAR SAFETY PACING IN BIVENTRICULAR PACING for which an application for a United States Patent was filed on April 25, 2002, under Serial No. 10/131,417; 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;

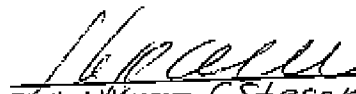
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest 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 owner 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 hereby grant Corporation the right to fill in the serial number and filing date in this document upon their receipt;

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 1. day of March, 2005.


Berthold Kramm (Stegemann
born Kramm)

On this 2nd day of March, 2005, before me personally appeared Berthold Kramm, 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

