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✓ VER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



100710171

To the Honorable Commissioner of Patent

and original documents or copy thereof.

Name of conveying party(ies):

Name and address of receiving party(ies):

Tuen Slagboom

Name: MEDTRONIC, INC.

Internal Address: MS 301

Personal name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 7000 CENTRAL AVENUE NORTHEAST

City: MINNEAPOLIS State: MN ZIP: 55432

Execution Date: December 11, 1997
 No

Additional name(s) & address(es) attached? Yes

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: September 12, 1997

A. Patent Application No.(s) 08/928,819

B. Patent No.(s)

Additional numbers attached? Yes No

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

6. Total number of applications and patents involved: 1

Name: Dianne M.F. Plunkett

7. Total fee (37 CFR 2.41): \$ 40.00

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

Enclosed
 Authorized to be charged to deposit account

8. Deposit Account Number: 13-2546

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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.

Dianne M.F. Plunkett

Dianne M.F. Plunkett 4-27-98

Name of Person Signing

Signature

Date

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

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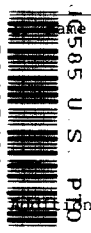
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PATENT

REEL: 9155 FRAME: 0987

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12/29/97

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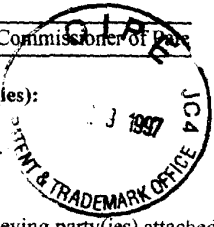
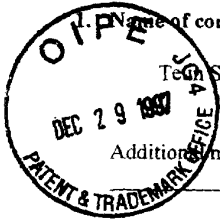
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100638472

Original documents or copy thereof.

To the Honorable Commissioner of Patents



1. Name of conveying party(ies):

Teon Slagboom, M.D.

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

3. Nature of conveyance:

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- Security Agreement Change of Name
- Other _____

Execution Date: _____

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Internal Address: M.S. 301

Street Address: 7000 CENTRAL AVENUE NORTHEAST

City: MINNEAPOLIS State: MN Zip: 55432

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B. Patent No.(s)

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7000 Central Avenue N.E.
M.S. 301
Minneapolis, Minnesota 55432

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- Authorized to be charged to deposit account

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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.

Dianne M.F. Plunkett
Name of Person Signing

Dianne M.F. Plunkett
Signature

12-23-97
Date

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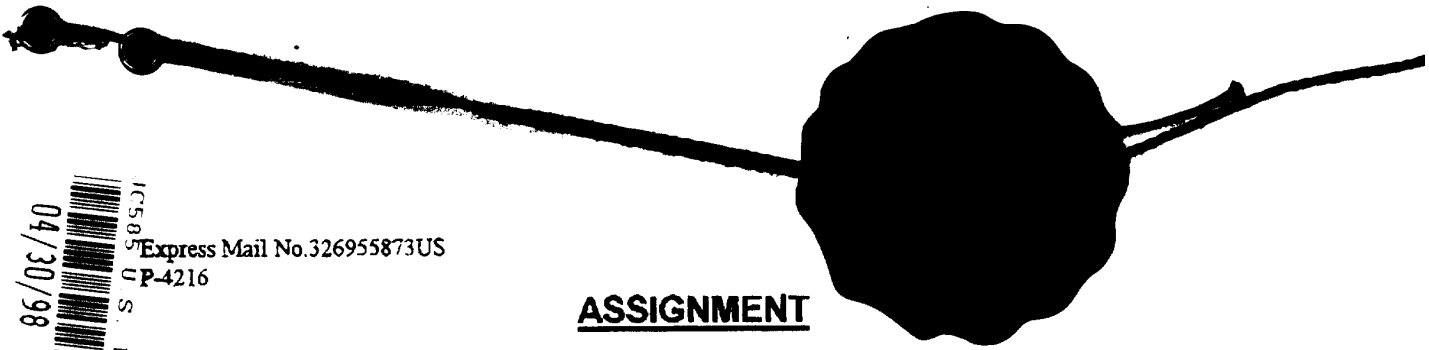
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PATENT
REEL: 9155 FRAME: 0988



04/30/98
ICS 85
U S. PTO

Express Mail No. 326955873US
P-4216

ASSIGNMENT

WHEREAS, I Teun Slagboom am the sole inventor of RADIAL GUIDING CATHETER CURVE for which I have prepared and on the 11th day of December 19 97, executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States 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 therefor 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 behalf and use and behalf 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, for the consideration aforesaid, I hereby 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 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 ___ day of _____, 1997.



Teun Slagboom

On this ___ day of _____, 1997, before me personally appeared Teun Slagboom, 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

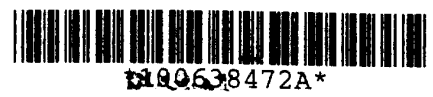
04/30/98
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APRIL 07, 1998
MEDTRONIC, INC.
DIANNE M.F. PLUNKETT
7000 CENTRAL AVENUE N.E.
M.S. 301
MINNEAPOLIS, MINNESOTA 55432



PTAS

P-42116
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
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OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
Dianne



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THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

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1. THE COVER SHEET SUBMITTED FOR RECORDING DOES NOT ADEQUATELY IDENTIFY THE PROPERTY NUMBER(S). THE APPLICATION NUMBER AND SERIES CODE OR THE SERIAL NUMBER AND FILING DATE IS REQUIRED.

JOANN STEWART, EXAMINER
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MEDTRONIC, INC.

PATENT
REEL: 9155 FRAME: 0991

D \$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RESPONSE TRANSMITTAL

*In re Application of: Teun Slagboom
For: Radial Guiding Catheter Curve
Filed: September 12, 1997

04/30/98
C585 U.S. PTO

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on this 27 day of April, 1998.

Juanita I. Trauffer
Signature

Juanita I. Trauffer
Printed Name

Commissioner of Patents and Trademarks
U.S. Patent and Trademark Office
Washington, D.C. 20231
Sir:

We are transmitting herewith the attached:

- Response Transmittal
- Assignment Recordation Cover Sheet (Corrected)
- Return Postcard

4-24-98
Date

Dianne M.F. Plunkett

Dianne M.F. Plunkett
Reg. No. 35,649
MEDTRONIC, INC.
7000 Central Avenue N.E.
Minneapolis, Minnesota 55432
Telephone: (612) 514-3201