

07-23-1999



RECORDATION FORM COVER SHEET
PATENTS ONLY

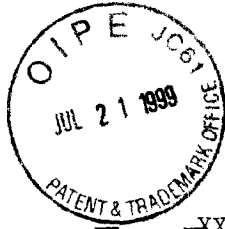
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Patents and Trademarks: Please record the attached original documents or copy thereof.

101099654

1. Name of conveying party(ies)

Charles R. Rogers
Warren L. Starkebaum
Raymond F. McMullen



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

7-21-99

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

Name: Medtronic Inc.

Internal Address: _____

Street Address: 7000 Central Avenue N.E.

City: Minneapolis State: MN ZIP: 55432

3. Nature of conveyance:

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

Execution Date: June 28, 1999

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

A domestic representative designation is attached: Yes No

(Designations must be a separate document from Assignment)

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: _____

A. Patent Application No(s). 09/303,004

B. Patent No(s).

Additional numbers attached? Yes No

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

Name: John F. Rollins
Address: Banner & Witcoff, Ltd.
~~BANNER & WITCOFF LTD.~~
10 South Wacker Drive
Suite 3000
Chicago, Illinois 60606

6. Total number of applications and patents involved:

1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account No. 01-0850

(Attach duplicate copy of this page if paying by deposit account.)

DO NOT USE THIS SPACE

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.

40E

John F. Rollins

Name of Person Signing

Signature

July 19, 1999

Date

07/23/1999 MTHAI1 00000014 09303004

01 FC:581 40.00 DP

Total number of pages comprising cover sheet:

Do Not Detach This Portion

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

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

WHITE - Patent Office Copy

WHITE - Patent Office Copy

YELLOW - File Copy

GREEN - Bookkeeping Copy

PATENT

REEL: 010108 FRAME: 0343

ASSIGNMENT

Case No.: **11738.77540 (98,422)**

Serial No.: **09/303,004**

Inventors: **Rogers, Starkebaum and McMullen**

Date of Execution

of Application:

Filing Date: **April 30, 1999**

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

Medtronic, Inc., a corporation of the State of Minnesota

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

Passive Flow Control Devices For Implantable Pumps

and identified as:

Case No. 11738.77540 (98,422)

in the offices of Banner & Witcoff, Ltd. and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignees, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignees, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignees, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

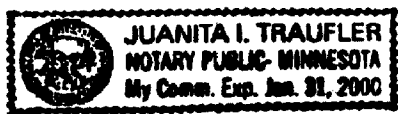
WITNESS my hand and seal this 30th day of June, 1999.

Charles R. Rogers
Charles R. Rogers

State of MINNESOTA

County of ANOCA

The foregoing instrument was acknowledged before me this 30th day of JUNE, 1999 by Charles R. Rogers



Juanita I. Traufler
NOTARY PUBLIC

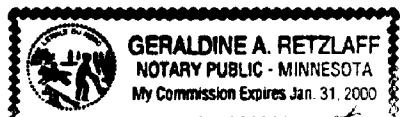
WITNESS my hand and seal this 25th day of June, 1999.

Warren L. Starkebaum
Warren L. Starkebaum

State of Minnesota

County of Anoka

The foregoing instrument was acknowledged before me this 25th day of June, 1999 by Warren L. Starkebaum



Geraldine A. Retzlaff
NOTARY PUBLIC

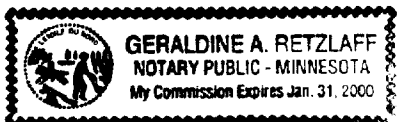
WITNESS my hand and seal this 25th day of JUNE, 1999.

Raymond F. McMullen
Raymond F. McMullen

State of Minnesota

County of Anoka

The foregoing instrument was acknowledged before me this 28th day of June, 1999 by Raymond F. McMullen



Geraldine A. Retzlaff
NOTARY PUBLIC