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(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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

1. Name of conveying party(ies):

John M. Murphy
Manfred Luedi
Alan Bredon
Mitchell Sherry
Eddie Abshire

3.29.04

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

3. Nature of conveyance:

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

Execution Date: 2/23/2004, 3/2/2004

2. Name and address of receiving party(ies)

Name: Medtronic, Inc.

Internal Address: _____

Street Address: LC340, 710 Medtronic Parkway

City: Minneapolis State: MN Zip: 55432

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

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) 10/698,705

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: J. Andrew Lowes

Internal Address: Haynes and Boone, LLP

Street Address: 901 Main Street, Suite 3100

City: Dallas State: TX Zip: 75202

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 number:

08-1394

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9. Signature.

J. Andrew Lowes

Name of Person Signing

J. Andrew Lowes
Signature

3/23/04
Date

Total number of pages including cover sheet, attachments, and documents: 4

40.00 documents to be recorded with required cover sheet information to:
Mail Stop Assignment, Commissioner of Patent, P.O. Box 1450
Alexandria, VA 22313-1450

R-69513.1

Cust. No. 000027683

PATENT
REEL: 015158 FRAME: 0772

04/01/2004 LMIELLER 00000105 10698705

01 FC:8021

ASSIGNMENT

WHEREAS, We,

- (1) John ~~X~~^{M.} Murphy of Haltom City,
State of Texas, USA
- (2) Manfred Luedi of Fort Worth,
State of Texas, USA
- (3) Alan Bredon of Colleyville,
State of Texas, USA
- (4) Mitchell Sherry of Forth Worth,
State of Texas, USA
- (5) Eddie Abshire of Fort Worth,
State of Texas, USA

have invented certain improvements in

**ASSEMBLY AND METHOD FOR CONNECTING TWO COMPONENTS
AND REDUCING ELECTRICAL NOISE**

for which we have executed an application for Letters Patent of the United States of America, of even date herewith; and

WHEREAS, Medtronic, Inc. (Assignee), a corporation organized and existing under the laws of the State of Minnesota, having its principal office and place of business in the City of Minneapolis, State of Minnesota, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

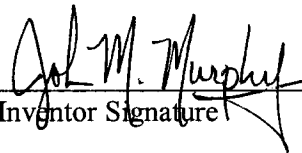
NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.


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Dated: March 02, 2004


Inventor Signature

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Dated: Feb. 23, 2004


Inventor Signature

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Dated: 3/2/04


Inventor Signature

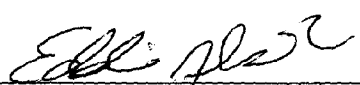
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Dated: 3-2-04



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