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009.0008 (P9938.00)

U.S. DEPARTMENT OF COMMERCE
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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):

SAMUEL P. RANKIN
SCOTT D. VERNON

03/06/02

2. Name and address of receiving party(ies)

Name: MEDTRONIC

Internal Address: _____

Street Address: 7000 Central Avenue, NE

MAIL STOP 301

City: Minneapolis State: MN Zip: 55432-3576

Additional name(s) & address(es) attached? ☐ Yes ☐ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Execution Date: 2-28-02

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: 2-28-02

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Girma Wolde-Michael

Medtronic

Internal Address: _____

Street Address: M/S 301 7000 CENTRAL AVE., NE

City: MINNEAPOLIS State: MN Zip: 55432-3576

6. Total number of applications and patents involved:

1

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



Enclosed, included in check #2168



Authorized to be charged to deposit account

8. Deposit account number:

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

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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.

Vincent B. Ingrassia Reg.#25,732

Name of Person Signing

Signature

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231jcd997 U.S. PTO
10/093012

03/06/02

PATENT

REEL: 012678 FRAME: 0436

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

MEDTRONIC

a corporation organized under the laws of the state of Minnesota as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

CURRENT-TO-VOLTAGE-CONVERTER

described in an application for Letters Patent of the United States, identified as Attorney Docket No. 009.0008 (P99938.00), at Ingrassia Fisher & Lorenz, P.C., 2625 South Plaza Dr., Ste. 400, Scottsdale, AZ 85282 and filed on _____, as Application Serial No. _____, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Vincent B. Ingrassia, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.



Inventor's Signature

DATE

2/28/02SAMUEL P. RANKIN

Inventor's Printed Name

STATE OF ARIZONA)

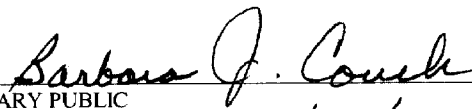
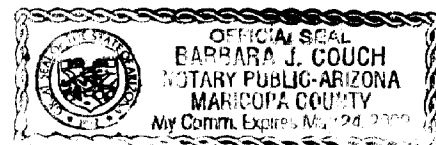
) SS

COUNTY OF MARICOPA)

On this 28th day of February, 2002, before me personally came the above named SAMUEL P. RANKIN who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

5/24/02

Inventor's Signature

DATE _____

SCOTT D. VERNON

Inventor's Printed Name

STATE OF

) SS

COUNTY OF)

On this 28th day of February, 2002 before me personally came the above named SCOTT D. VERNON who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires: 5/24/02

