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Form PTO-1595
(Rev. 03/01)

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OMB No. 0651-0027 (exp. 5/31/2002)



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Resubm

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

1. Name of conveying party(ies):
SCOTT D. VERNON

4-15-02

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

3. Nature of conveyance:

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

Execution Date: 1/16/02

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 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: 1/16/02

A. Patent Application No.(s)
10/052,035

B. Patent No.(s)

Additional numbers attached? Yes No

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

Customer No.: 29,906
Name: Vincent B. Ingrassia

Ingrassia Fisher & Lorenz, P.C.

Internal Address: _____

Street Address: 2625 South Plaza Dr., Ste. 400

City: Scottsdale State: AZ Zip: 85282

6. Total number of applications and patents involved: 1

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

Previously Submitted

Authorized to be charged to deposit account

400

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
Name of Person Signing

Signature

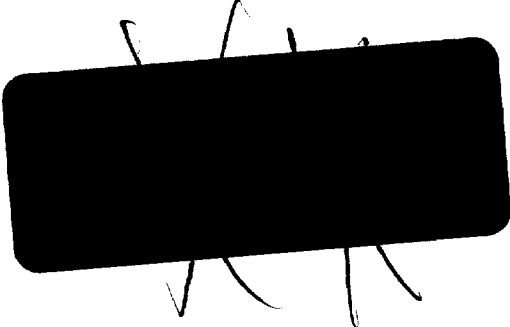
1/15/02

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

01/16/02
J1057 U.S. PTO



01-22-02

Express Mail No. EU014511769US

JC978 U.S. PTO
10/052035

Docket No. 009.0010 (P9296.00)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

1-16-02

JC978 U.S. PTO
10/052035
01/16/02

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of
Inventor(s): Scott D. Vernon

For (title): OPERATIONAL AMPLIFIER HAVING IMPROVED INPUT OFFSET PERFORMANCE

CERTIFICATION UNDER 37 C.F.R. 1.10

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date January 16, 2002 in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EU014511769US, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Vincent B. Ingrassia, Reg. No. 25,732

Signature of person mailing paper

1. Type of Application

This new application is for a(n)

(check one applicable item below)

- Original (nonprovisional)
- Design
- Plant
- Divisional.
- Continuation.
- Continuation-in-part (C-I-P).

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

I, the undersigned hereby agrees 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

OPERATIONAL AMPLIFIER HAVING IMPROVED INPUT OFFSET PERFORMANCE

described in an application for Letters Patent of the United States, identified as Attorney Docket No. 009.0010, 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. I 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.

I agree that, when requested, I 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.

I 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 me.

I 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.

I 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.

I 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 I have full right to convey the same as herein expressed.

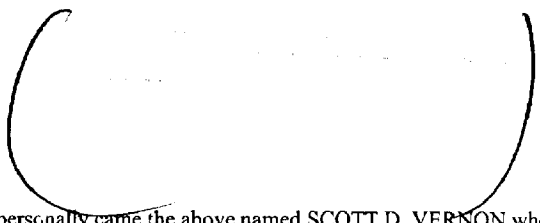
IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

Scott D. V.
Inventor's Signature

1/16/02
DATE

SCOTT D. VERNON
Inventor's Printed Name

STATE OF ARIZONA)
) SS
COUNTY OF MARICOPA)



On this 16 day of January, 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.



HEIDI M. BRYANT
NOTARY PUBLIC
My Commission Expires: 7-20-2003