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OMB No. 0651-0027 (exp. 5/31/2002)	U.S. Patent and Trademark Office
Atty. Dkt. # 009.0026 (P1255) PATENT	SONLY
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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): VICTOR I. CHORNENKY VANCE E. SWANSON ZIRAO ZHENG EUNSUNG PARK MATTHEW RUST	Name and address of receiving party(ies) Name: Medtronic AVE, Inc. Internal Address:
Additional name(s) of conveying party(ies) attached? Yes X No	
Nature of conveyance: X Assignment	Street Address: 3576 Unocal Place
Other	City: Santa Rosa State: CA Zip: 95403 Additional name(s) & address(es) attached? Yes X No
Application_number(s) or patent number(s):	
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If this document is being filed together with a new application, the	
A. Patent Application No.(s) 10/427,349	B. Patent No.(s)
10/42/,040	
Additional numbers at	tached? Yes X No
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents
Name <u>: CATHERINE MARESH</u>	involved:
MEDTRONIC AVE, INC.	7. Total fee (37 CFR 3.41) \$40.00
Internal Address:	Enclosed
	X Authorized to be charged to deposit account
Street Address: 3576 UNOCAL PLACE	Deposit account number:
City: <u>SANTA ROSA</u> State: <u>CA</u> Zip: <u>95403</u>	50-2091 (Attach duplicate copy of this page if paying by deposit account)
DO NOT US	E THIS SPACE
Statement and signature.	10 to
To the best of my knowledge and belief, the foregoing int Is a true copy of the original document.	ormation is true and correct and any attached copy
Vincent B. Ingrassia (Reg. No. 25,732) Name of Person Signing	October 20, 2003 Signature Date
Total number of pages including cover sheet,	attachments, and documents: 7

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

Mail Stop Assignment Recordation Services, Commissioner of Patents & Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT REEL: 014056 FRAME: 0936

Attorney Docket No. 009,0026 (P1255)

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 AVE, Inc.

a corporation organized under the laws of the state of Delaware 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

MINIATURE X-RAY EMITTER HAVING INDEPENDENT CURRENT AND VOLTAGE CONTROL

described in an application for Letters Patent of the United States, identified as Attorney Docket No. 009,0026 (P1255). Medironic AVE, Inc., 3576 Unival ຸ as Application Serial No. _ Place, Santa Rosa, CA 95403 and filed on _ , 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 beneeforth 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 beneaforth 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 VICTOR I. CHORNENKY Inventor's Printed Name

STATE OF MINNESOTA 55 COUNTY OF

day of before the personally came the above named <u>VICTOR I CHORNENKY</u>, 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,

JEFFREY H. HEINRICH Notary Public Minnesota My Commission Expires Jan. 31, 2008

NOTARY PUBLIC Commission Expires:

Page 1 of 3

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Inventor's Signature	DATE		•
VANCE E. SWANSON			
Inventor's Printed Name			
STATE OF CALIFORNIA)			
OUNTY OF)			
On this day of	hofour		
known by me or proved to me on the basis of satisfa	actory evidence to be the same	personally came the above named <u>VANC</u> a individual who executed the foregoing	<u>E E. SWANSON</u> , who is personal assignment, and who acknowlede:
to me that he/she executed the same of his/her own i	ice will for the use and purpor	ses therein set forth.	_
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IRAO ZHENG			•
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TATE OF CALIFORNIA)		-	_
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JNSUNG PARK ventor's Printed Name	_		
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uthis <u>0.3</u> day of <u>April</u>	, <u>_0,3</u> , before me pers	onally came the above named EUNSUNG	FARK, who is personally known
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LAURA R. BROCK	(rauce ()	OKOCK_
NOTARY PUBLIC - MINNES	ATO:	NOTARY PUBLIC / -	31-25

--PATENT **REEL: 014056 FRAME: 0938**

MATTHEW RUST

Inventor's Printed Name

STATE OF CALIFORNIA

) SS

_, before me personally came the above named MATTHEW RUST, 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:

Attorney Docket No. 009,0026 (P1255)

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FOR GOOD AND VALUABLE CONSIDERATION,

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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.

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

VICTOR L CHORNENKY

STATE OF MINNESOTA SS COUNTY OF

Inventor's Printed Name

Delore me personally came the above named <u>VICTOR I. CHORNENKY</u>, who is personally day of 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.

JEFFREY H. HEINRICH Notary Public Minnesota My Commission Expires Jan. 31, 2008

My Zommission Expires:

Page 1 of 3

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My Commission Expires:

My Commission Expires Jan. 31, 2005

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TRANSMITTAL

PTO/SB/21 (08-03)

Approved for use through 07/31/2006.	OMB 0651-0031

10/427,349

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Application Number

FORM		Filing Date		April 30, 2003			
(to be used for all correspondence after t	initial filing)	First Named Inventor		Victor I. Chornenky			
		Art Unit		Unknown			
		Examiner Name	Unknown				
Total Number of Pages in This Sub	mission 10	Attorney Docket Nun	Attorney Docket Number 009.0026 (P1255)				
ENCLOSURES (check all that apply)							
X Fee Transmittal Form	Drawing	ıs(s)		After Allowance Communication to Technology Center (TC)			
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Affidavits/declaration(s)	Power o Change Address	f Attorney, Revocation of Correspondence		Status Letter			
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Express Abandonment Request	Reques			ssignment Recordation Cover Sheet			
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Response to Missing Parts/ Incomplete Application	Remarks						
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Firm Vincent B. Ingrassia		ANT, ATTORNEY, O	K AGE	:N1			
Signature							
Date October 20, 2003							
CEF	RTIFICATE OF T	RANSMISSION/MAIL	ING				
I hereby certify that this correspondence is bein with sufficient postage in an envelope addresse Alexandria, VA 22313-1450 on the date shown	edito: Mail Stop As	itted to the USPTO or designment Recordation, C	posited Commis	with the United States Postal Service isioner for Patents, P.O. Box 1450,			
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Signature This collection of information is required by B7 CER 1.5. The	2	Colorio es estaio a bonofit las s	ate	October 20, 2003			

application. Confidentiality is governed by 77 V.F.S. The information strequired wroptain or retain a benefit by the public which is to file (and by the USPTO to process application. Confidentiality is governed by 55 U.S.C. 122 and 37 CFR 1.14. SEND FEES OR COMPLETED FORMS TO: Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)
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Signature		Z _	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	``)							Date	October 20,	2003

(WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O. Box 1450, Alexandria, VA. 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PATENT REEL: 014056 FRAME: 0944

INGRASSIA FISHER & LORENZ, P.C.

7150 E. CAMELBACK, SUITE 325

SCOTTSDALE, ARIZONA 85251

Telephone: (480) 385-5060

Facsimile: (480) 385-5061

FACSIMILE TRANSMITTAL SHEET FROM: TO: VINCENT B. INGRASSIA (25,732) Assignment Recordation Services COMPANY: USPTO OCTOBER 20, 2003 PAX NUMBER TOTA), NO. OF PAGES INCLUDING COVER: (703) 306-5995 PHONE NUMBER: SENDER'S REFERENCE NUMBER: 009.0026 (P1255) RITE APPLICATION NUMBER: 10/427,349 Assignment Recordation

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FOR REVIEW

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PLEASE REPLY

PLEASE RECYCLE

NOTES/COMMENTS:

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PATENT REEL: 014056 FRAME: 0945 OCT-17-2003 FRI 12:38 PM AVE IP LEGAL

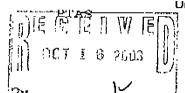
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P. 02

United States Patent and TRADEMARK OFFICE

OCTOBER 08, 2003

MEDITRONIC AVE, INC. CATHERINE MARESH 3576 UNOCAL PLACE SANTA ROSA, CA 95403



Under Secretary of Commerce For Intellectual Property at Director of the United States Patent and Trademark Offi-Washington, DC 202: www.uspto.gc



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THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED 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 3.51. 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.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT

THE COVER SHEET SUBMITTED FOR RECORDING IS NOT ACCEPTABLE. EXECUTION DATE MUST BE INDICATED FOR EACH CONVEYING PARTY.

PAULA MCCRAY, EXAMINER MOISIVI TWIMMOISEA OFFICE OF PUBLIC RECORDS DOCKETED

RED BOOK 1/1/1/

2nd Review_

PATENT REEL: 014056 FRAME: 0946

RECORDED: 10/20/2003