Atty Ref/Docket No.: 279.190US1

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09-13-2000



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

101455112

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

1. Name of conveying party(ies): MEP B·18·00	2. Name and address of receiving party(ies):
1) Keith R. Maile 2) Terrence L. Marshall 3) William J. Linder	Name: Cardiac Pacemakers, Inc.
Additional name(s) of conveying party(ies) attached? []Yes [X]No	Street Address: 4100 Hamline Avenue North
3. Nature of conveyance:	City: St. Paul State: MN ZIP: 55112
[X] Assignment [] Merger	City. <u>56.1 aur</u> 5 auc. <u>1414 - 511 22112 </u>
[Security Agreement [] Change of Name	Additional name(s) & address(es) attached? []Yes [X]No
Execution Date: 1) July 27, 2000 (2) July 25, 2000 (3) August 16, 2000	09/642287
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execut	tion date of the application is: 1) July 27, 2000 (2) July 25, 2000 (3) August 16, 2000
A. Patent Application No.(s)	B Patent No.(s)
Additional numbers attached? []Yes [X]No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Timothy E. Bianchi	7. Total fee (37 CFR 3.41):\$_40.00
Address: Schwegman, Lundberg, Woessner & Kluth, P.A. P.O. Box 2938	[X] Enclosed [] Authorized to be charged to deposit account
Minneapolis, MN 55402	8. Please charge any additional fees or credit any overpayments to our Deposit account number:19-0743
DO NOT	USE THIS SPACE
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.
Timothy E. Bianchi/Reg. No. 39,610	F. K. Huy 18, 2000
Name of Person Signing Signature 12/2000 NTHAI1 00000470 09642287	Date Total number of pages including cover shee: 4
FC:581 40.00 0P OMB No. 0651-0011 (exp. 4/94)	
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Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office. Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (065) (0011) Weshington, D.C. 20333 (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

WHEREAS, WE, Keith R. Maile, residing at 1380 North Pike Lake Court, New Brighton, MN 55112, and Terrence L. Marshall, residing at 2407 - 3rd Avenue South, Apt. A23, Minneapolis, MN 55404, and William J. Linder, residing at 2640 Kyle Avenue North, Golden Valley, MN 55422, made certain new and useful inventions and improvements for which We executed an application for Letters Patent of the United States on Even Date Herewith, which is entitled DIGITALLY TRIMMABLE RESISTOR FOR BANDGAP VOLTAGE REFERENCE.

AND WHEREAS, Cardiac Pacemakers, Inc., a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 4100 Hamline Avenue North, St. Paul, MN 55112, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor:

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignce, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of 300.

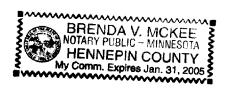
Keith R. Maile

STATE OF Minnesota)

COUNTY OF Hennepin)

On this <u>27</u> day of <u>July</u>, 2000 before me personally appeared <u>Keith R. Maile</u> to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Brende McKee Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 25th day of JULY, 2000.

STATE OF Minnesota) COUNTY OF Heanepin

On this <u>35</u> day of <u>July</u>, 2000 before me personally appeared <u>Terrence L. Marshall</u> to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



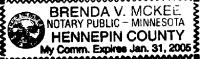
IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of 106, 2000.

STATE OF Minnesota

COUNTY OF Hennepin

On this 16 day of Augus +, 2000 before me personally appeared William J. Linder to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



RECORDED: 08/18/2000

da McKre **Notary Public**