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JAMES T. NIKOLAI
CHARLES G. MERSEREAU
PAUL T. DIETZ

900 Second Avenue South, Suite 820
Minneapolis, Minnesota 55402-3813

Telephone (612) 339-7461

Facsimile (612) 349-6556

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March 20, 2001

RECORDATION FORM COVER SHEET

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U.S. PATENT AND TRADEMARK OFFICE
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WASHINGTON, D.C. 20231

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

1. Name of conveying party(ies):
Leonard J. Gramse
2. Name and address of receiving party(ies):
Name: Cardiac Pacemakers, Inc.
Street Address: 4100 Hamline Avenue North
City: St. Paul
State: MN Zip: 55112
3. Nature of Conveyance:

<input checked="" type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input type="checkbox"/>	Other		

Execution Date: March 3, 2001.

4. Application number(s) or registration number(s):
XX If this document is being filed together with a new application, the execution date of the application is: March 8, 2001

A. Patent Application No.(s):

40E

B. Patent No.(s):

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

Name: Thomas J. Nikolai, Esq.
NIKOLAI, MERSEREAU & DIETZ, P.A.
Street Address: 900 Second Avenue South, #820
City: Minneapolis State: MN Zip: 55402-3325

03/23/2001 SMINASS1 00000005 09813203

02 EC:581

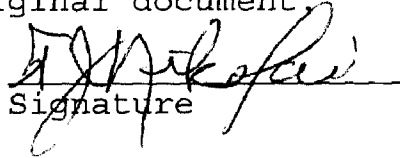
40.00 UP

6. Number of applications and patents involved: One
7. Total Fee (37 CFR 3.41): \$40.00
X A check is enclosed.
8. The Commissioner is authorized to charge any fees or refund any overpayment under 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 08-1265.

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.

Thomas J. Nikolai
Name of Person Signing


Signature

Date: 03/20/01

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

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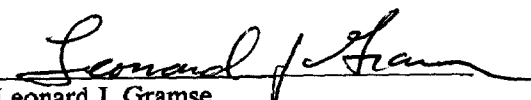
ASSIGNMENT

WHEREAS, I, Leonard J. Gramse, a citizen of the United States of America, and residing at 1594 Christie Place, St. Paul, Minnesota 55106, am the inventor of that certain invention disclosed and claimed in the application for United States Letters Patent executed by me on 3-8, 2001, and entitled "IMPLANTABLE MEDICAL DEVICE WITH FULL METALLIC CASE"; and

WHEREAS, Cardiac Pacemakers, Inc., a corporation organized and existing under the laws of the State of Minnesota, and having its principal office located at , is desirous of acquiring the said invention and any and all patents of any and all countries which may be granted on said invention.

NOW, THEREFORE, Be It Known that for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said Cardiac Pacemakers, Inc. and for other good and valuable consideration, the receipt of all of which is hereby acknowledged, I, Leonard J. Gramse, have sold, assigned and transferred, and do hereby sell, assign and transfer unto said Cardiac Pacemakers, Inc., the entire right, title, and interest, both legal and equitable, in and to the said above identified invention for all countries, in and to the same above identified application for patent, and in and to any and all patents of any and all countries which may be granted on said invention; and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue, in accordance with this Assignment, any and all patents which may be granted on the above identified application or on the invention therein disclosed.

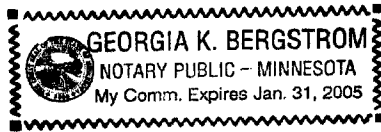
Signed at , this 8 day of March, 2001.


Leonard J. Gramse
1594 Christie Place
St. Paul, Minnesota 55106

STATE OF MINNESOTA

COUNTY OF *Ramsey* SS

On this 8 day of March, 2001, before me, a Notary Public for and within the County aforesaid, personally appeared Leonard J. Gramse to me known to be the person described in the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed.



Georgia K Bergstrom
Notary Public

(SEAL)