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August 19, 2003

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U.S. PATENT AND TRADEMARK OFFICE  
OFFICE OF PUBLIC RECORDS  
CRYSTAL GATEWAY 4, ROOM 335  
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; Robert J. Hanowski
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:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: August 11, 2003

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:  
August 11, 2003

A. Patent Application No.(s):

10643369

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, P.A.  
Street Address: 900 Second Avenue South, #820  
City: Minneapolis State: MN Zip: 55402-3325

REEL: 014415 FRAME: 0860

PATENT  
REEL: 014415 FRAME: 0860

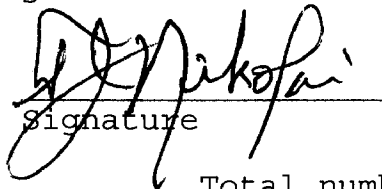
08/20/2003 ETLONLS 00000000 10643369  
40.00 DP  
02 FC:8021

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: Aug. 19, 2003

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

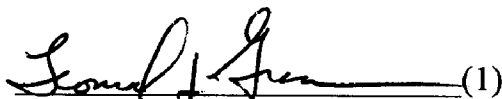
## ASSIGNMENT

WHEREAS, we, LEONARD J. GRAMSE, a citizen of the United States of America, residing at 1595 Christie Place, St. Paul, Minnesota 55106 and ROBERT J. HANOWSKI, a citizen of the United States of America, residing at 20718 Georgia Avenue Circle North, St. Paul, Minnesota 55025, are the inventors of that certain invention disclosed and claimed in an application for United States Letters Patent executed by LEONARD J. GRAMSE on Aug. 11, 2003, and executed by ROBERT J. HANOWSKI on Aug. 11, 2003, entitled "IMPLANTABLE MEDICAL DEVICE WITH DETACHABLE BATTERY COMPARTMENT"; 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 4100 Hamline Avenue North, St. Paul, MN 55112 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 us in hand paid by said CARDIAC PACEMAKERS, INC. and for other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, LEONARD J. GRAMSE and ROBERT J. HANOWSKI, 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 St. Paul, Minnesota, this 11 day of August, 2003.



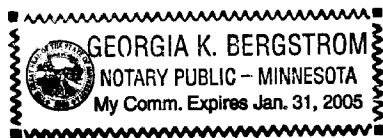
Leonard J. Gramse  
1595 Christie Place  
St. Paul, Minnesota 55106

STATE OF MINNESOTA

COUNTY OF Ramsey SS

On this 11 day of August, 2003, 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.

(Seal)



Georgia K. Bergstrom  
Notary Public

Signed at St. Paul, Minnesota, this 11 day of August, 2003.

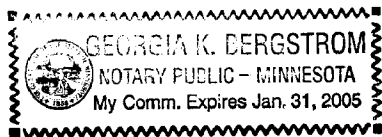
Robert J. Hanowski (2)  
Robert J. Hanowski  
20718 Georgia Avenue Circle North  
St. Paul, Minnesota 55025

STATE OF MINNESOTA

COUNTY OF Ramsey SS

On this 11 day of August, 2003, before me, a Notary Public for and within the County aforesaid, personally appeared ROBERT J. HANOWSKI 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.

(Seal)



Georgia K. Bergstrom  
Notary Public