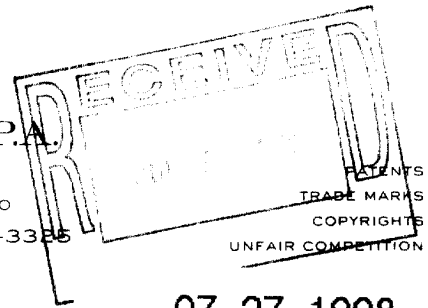


MRD 7-20-98

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July 17, 1998

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U.S. PATENT AND TRADEMARK OFFICE  
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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):  
Gerrard M. Carlson; V.A. Kadhiresan; and Julio C. Spinelli

2. Name and address of receiving party(ies):  
Name: Cardiac Pacemakers, Inc.  
Street Address: 4100 North Hamline Avenue  
City: St. Paul  
State: MN Zip: 55112

3. Nature of Conveyance:  
XX Assignment \_\_\_\_\_ Merger  
\_\_\_\_\_ Security Agreement \_\_\_\_\_ Change of Name  
\_\_\_\_\_ Other \_\_\_\_\_

Execution Date: July 16, 1998

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

A. Patent Application No.(s): 09/093,188

B. Patent No.(s):

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

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

07/23/1998 SSMITH 00000072 09038188

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PATENT  
REEL: 9333 FRAME: 0855

U.S. Patent and Trademark Office  
July 17, 1998  
Page Two

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.

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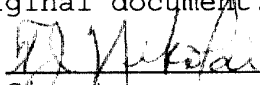
DO NOT USE THIS SPACE

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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.

Thomas J. Nikolai

Name of Person Signing

  
Signature

Date: July 17, 1998

Total number of pages including  
cover sheet, attachments and document: 5

## A S S I G N M E N T

WHEREAS, we, GERRARD M. CARLSON, a citizen of the United States of America, residing at 11653 Nevada Lane, Champlin, MN 55316, V.A. KADHIRESAN, a citizen of India, residing at 7177 Gray Heron Drive, Lino Lakes, MN 55014, and JULIO C. SPINELLI, a citizen of Argentina, residing at 5612 Chatsworth Street, Shoreview, MN 55126, are the co-inventors of that certain invention disclosed and claimed in the application for United States Letters Patent, filed on June 8, 1998, under Serial No. 09/093,118, and entitled "HEART RATE VARIABILITY AS AN INDICATOR OF EXERCISE CAPACITY"; and

WHEREAS, CARDIAC PACEMAKERS, INC., a corporation organized and existing under the laws of the State of Minnesota, and having its principal place of business at 4100 North Hamline Avenue, St. Paul, Minnesota 55112, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

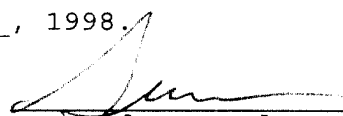
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid by said CARDIAC PACEMAKERS, INC. and for other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, GERRARD M. CARLSON, V.A. KADHIRESAN and JULIO C. SPINELLI, have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto said CARDIAC PACEMAKERS, INC., the full and exclusive right to the said above identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

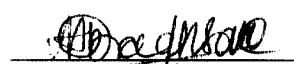
We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said CARDIAC

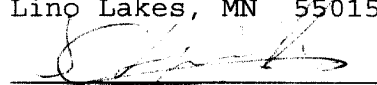
PACEMAKERS, INC., as assignee of our entire right, title and interest in and to the same, for the sole use and behoof of said CARDIAC PACEMAKERS, INC., its successors and assigns.

Further, we agree that we will communicate to said CARDIAC PACEMAKERS, INC. or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said CARDIAC PACEMAKERS, INC., make all rightful oaths and generally do everything possible to aid said CARDIAC PACEMAKERS, INC., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, we have hereunto set our hands this 16<sup>th</sup> day of July, 1998.

  
Gerrard M. Carlson  
11653 Nevada Lane  
Champlin, MN 55316

  
V.A. Kadhiresan  
7177 Gray Heron Drive  
Lino Lakes, MN 55015

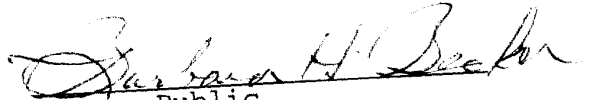
  
Julio C. Spinelli  
5612 Chatsworth Street  
Shoreview, MN 55126

STATE OF MINNESOTA

COUNTY OF RAMSEY

SS

On this 16<sup>th</sup> day of July, 1998, before me, a Notary Public for and within the County aforesaid, personally appeared GERRARD M. CARLSON, V.A. KADHIRESAN and JULIO C. SPINELLI, to me known to be the persons described in the foregoing Assignment, and they acknowledged to me that they executed the same as their free act and deed.

  
Notary Public

(SEAL)

