

03-14-2006

U.S. DEPARTMENT OF COMMERCE  
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103195492

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Ramesh Warier  
Gerrard M. Carlson

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 02/22/2006, 02/21/2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: Cardiac Pacemakers, Inc.

Internal Address: \_\_\_\_\_

Street Address: 4100 Hamline Ave North

City: St. Paul

State: MN

Country: U.S. Zip: 55112-5798

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Patrick J.S. Inouye

Law Offices of Patrick J.S. Inouye

Internal Address: \_\_\_\_\_

Street Address: 810 Third Avenue

Suite 258

City: Seattle

State: WA Zip: 98104

Phone Number: (206) 381-3900

Fax Number: (206) 381-3999

Email Address: patrick@inouyelaw.com

6. Total number of applications and patents involved: \_\_\_\_\_

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 2497  
Expiration Date 05/07

b. Deposit Account Number \_\_\_\_\_

Authorized User Name Patrick J.S. Inouye

9. Signature: \_\_\_\_\_

Signature

March 3, 2006

Date

Patrick J.S. Inouye

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

03/08/2006 DTESSEM1 00000075 11867852

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PATENT  
REEL: 017650 FRAME: 0284

## ASSIGNMENT

WHEREAS, We, Ramesh Wariar, residing at 11036 Nassau Cir NE, Blaine, MN 55449 and Gerrard M. Carlson, residing at 11653 Nevada Lane, Champlin, MN 55316, have invented certain new and useful improvements as described in an application entitled SYSTEM AND METHOD FOR ASSESSING CARDIAC PERFORMANCE THROUGH CARDIAC VIBRATION MONITORING Letters Patent of the United States, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office by Application No. \_\_\_\_\_, filed \_\_\_\_\_; 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 55112-5798 (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 therefore;

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 there from, 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 there from; 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, we authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained. We authorize the Assignee, its successors and assigns, or anyone that the Assignee may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

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 Assignee, 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.

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 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 22<sup>nd</sup> day of

Feb, 2006.


Ramesh Wariar

Ramesh Wariar

STATE OF MN

COUNTY OF RAMSEY )ss

On this 22<sup>nd</sup> day of Feb, 2006 before me personally appeared Ramesh Wariar, 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.

 PATRICIA A. RUTZ  
Notary Public  
State of Minnesota  
My Commission Expires  
January 31, 2010

Patricia A. Rutz  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21st day of February, 2006.

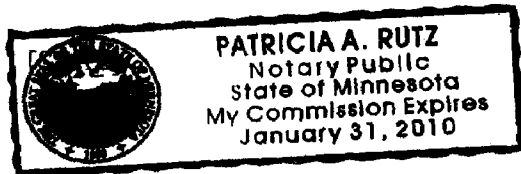
Gerrard M. Carlson

Gerrard M. Carlson

STATE OF MN

COUNTY OF RAMSEY )ss

On this 21st day of Feb, 2006 before me personally appeared Gerrard M. Carlson, 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.



Patricia A. Rutz

Notary Public