

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Atty Ref/Docket No.: 279.B53US1

Patent and Trademark Office

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

1. Name of conveying party(ies):

2. Name and address of receiving party(ies):

Howard D. Simms Jr.

Name: Cardiac Pacemakers, Inc.

Additional name(s) of conveying party(ies) attached?

Street Address: 4100 Hamline Avenue North

☐ Yes ☒ NoCity: St. Paul State: MN Zip: 55112-5798

3. Nature of conveyance:

Additional name(s) & address(es) attached? ☐ Yes ☒ No☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: March 6, 2006

4. Application number(s) or patent 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)

B. Patent No.(s)

Serial No. 11/273,079, filed November 14, 2005

Additional numbers attached? ☐ Yes ☒ No

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

6. Total number of applications and patents involved: 1Name: Timothy E. Bianchi7. Total fee (37 CFR 3.41): \$ 40.00

Address:

Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402☐ Enclosed☒ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any over payments 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

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 4

Mail documents to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services**  
**Commissioner for Patents**  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

700261434

**PATENT**  
**REEL: 017559 FRAME: 0241**

CH \$40.00 190743 11273079

## ASSIGNMENT

HDS  
530 Mackubin Circle, Shoreview

WHEREAS, I, Howard D. Simms Jr., residing at 55126 HDS 7466 54th Street North, Oakdale, MN 55128, have made certain new and useful inventions and improvements for which I herewith file an application for Letters Patent of the United States, which is entitled DIFFERENTIATING ARRHYTHMIC EVENTS HAVING DIFFERENT ORIGINS, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office by Application No. 11/273,079, filed November 14, 2005; 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 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, I 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 I 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.

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

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AND, for the consideration aforesaid, I do hereby agree that I and my 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 me 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, I 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 and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6<sup>th</sup> day of March, 2006.

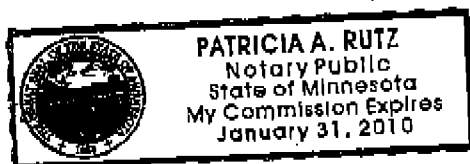
Howard D. Simms Jr.

Howard D. Simms Jr.

STATE OF MN )

COUNTY OF RAMSEY ) ss

On this 6th day of March, 2006 before me personally appeared Howard D. Simms Jr., 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