

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Atty Ref/Docket No.: 279.G77US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

David Nghiem, Ronald W. Solfest, Mahesh Maddali,  
Mark G. Deehr, Dennis E. Larson and Keith R. Maile

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

[ ] Yes [X] No

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

Name: Cardiac Pacemakers, Inc.

Street Address: 4100 Hamline Avenue North

City: St. Paul State: MN Zip: 55112-5798

Additional name(s) & address(es) attached? [ ] Yes  
[X] No

## 3. Nature of conveyance:

[X] Assignment [ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: November 2, 2009, November 4, 2009,  
October 30, 2009, November 3, 2009, November 9,  
2009, October 28, 2009

## 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. 12/579,994, filed October 15, 2009

Additional numbers attached? [ ] Yes [X] No

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

Name: Suneel Arora

Address:

Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[ ] Enclosed

[X] Authorized to be charged to deposit account  
19-0743

## 8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 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.

Suneel Arora/Reg. No. 42,267

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 9

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

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services  
P.O. Box 1450  
Alexandria, VA 22313-1450

700424259

**PATENT**  
**REEL: 023604 FRAME: 0417**

CH \$40.00 190743 12679994

Attorney Docket No. 279.G77US1  
Client Ref No. 08-999

### ASSIGNMENT

WHEREAS, We, David Nghiem, residing at 5990 Highview Place, Shoreview, MN 55126, and Ronald W. Solfest, residing at 7608 Peltier Lake Drive, Lino Lakes, MN 55038, and Mahesh Maddali, residing at 788 Woodridge Ct., Mahtomedi, MN 55115, and Mark G. Deehr, residing at 19522 NE 202nd Place, Woodinville, WA 98077, and Dennis E. Larson, residing at 4159 Parkridge Drive, White Bear Lake Township, MN 55110, and Keith R. Maile, residing at 1380 North Pike Lake Court, New Brighton, MN 55112, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on October 15, 2009, which application was assigned U.S. patent application serial number 12/579,994, and is entitled IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Cardiac Pacemakers, Inc. (the "Assignee"), a corporation of the State of Minnesota, having a place of business at 4100 Hamline Avenue North, St. Paul, MN 55112-5798, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 45458 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

#### Additional Application Information

*U.S. Provisional Application Serial No. 61/106,068, filed on October 16, 2008.*

*No U.S. Non-Provisional claim for priority is being made at this time.*

*No International or foreign claim for priority is being made at this time.*

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

## ASSIGNMENT

Docket No: 279.G77US1

Client Ref. No. 08-999

Assignors: David Nghiem et al.

Serial Number: 12/579,994

Title: IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA

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WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

## ASSIGNMENT

Docket No: 279.G77US1

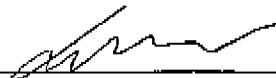
Client Ref. No. 08-999

Assignors: David Nghiem et al.

Serial Number: 12/579,994

Title: IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA

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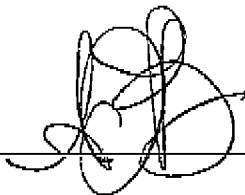
IN TESTIMONY WHEREOF, I have hereunto set my hand this 02 day ofNovember, 2009.

David Nghiem

STATE OF MinnesotaCOUNTY OF Ramsey )ss

On this 2 day of November, 2009 before me personally appeared David Nghiem, 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.

[SEAL]



Notary Public

## ASSIGNMENT

Docket No: 279.G77US1


Client Ref. No. 08-999

Assignors: David Nghiem et al.

Serial Number: 12/579,994

Title: IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day ofNovember, 2009.

Ronald W. Solfest

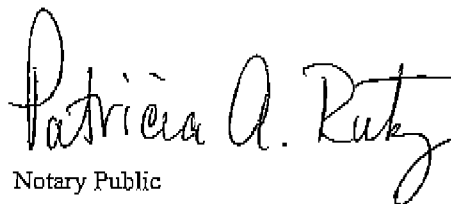
STATE OF MN)COUNTY OF RAMSEY) ss

On this 4 day of November, 2009 before me personally appeared Ronald W. Solfest, 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.

[SEAL]



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

  
Notary Public

## ASSIGNMENT

Docket No: 279.G77US1

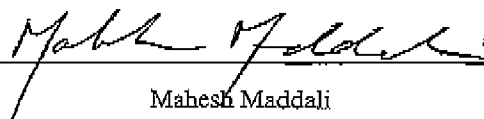
Client Ref. No. 08-999

Assignors: David Nghiem et al.

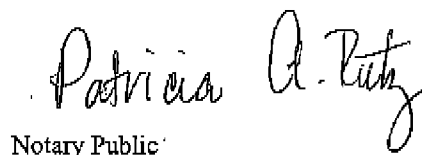
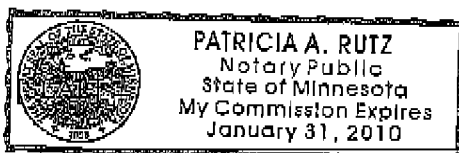
Serial Number: 12/579,994

Title: IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day ofOctober, 2009.  
Mahesh MaddaliSTATE OF MNCOUNTY OF RAMSEY )ss

On this 30 day of October, 2009 before me personally appeared Mahesh Maddali, 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.

  
Notary Public

## ASSIGNMENT

Docket No: 279.G77US1

Client Ref. No. 08-999

Assignors: David Nghiem et al.

Serial Number: 12/579,994

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 3rd day of  
November, 2009.



Mark G. Deehr

STATE OF Washington

)ss

COUNTY OF King

On this 3rd day of November, 2009, before me personally appeared  
Mark G. Deehr, 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.

[SEAL]

  
Notary Public

## ASSIGNMENT

Docket No: 279,077US1

Client Ref. No. 08-999

Assignors: David Nghiem et al.

Serial Number: 12/579,994

Title: IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA

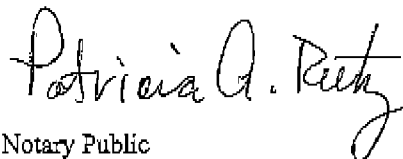
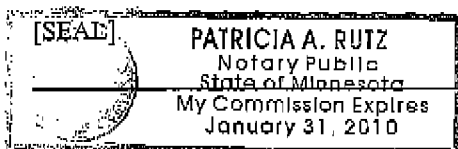
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day ofNovember, 2009.

Dennis E. Larson

STATE OF MN)COUNTY OF RAMSEY) ss

On this 9 day of November, 2009 before me personally appeared Dennis E. Larson, 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.



Notary Public

PATENT

REEL: 023604 FRAME: 0424



## ASSIGNMENT

Docket No: 279.G77US1

Client Ref. No. 08-999

Assignors: David Nghiem et al.

Serial Number: 12/579,994

Title: IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA

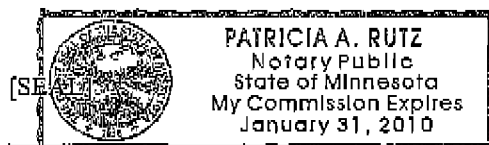
Page 8 of 8

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day ofOctober, 2009.Keith R Maile

Keith R. Maile

STATE OF MN)COUNTY OF RAMSEY) ss

On this 28 day of October, 2009 before me personally appeared Keith R. Maile, 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

## SCHWEGMAN ■ LUNDBERG ■ WOESSNER

PATENT, TRADEMARK &amp; COPYRIGHT ATTORNEYS

P.O. Box 2938

Minneapolis, MN 55402

Telephone (612) 373-6900

Facsimile (612) 339-3061

December 3, 2009

Time: 15:40  
(Minneapolis, Minn.)TO: Commissioner for Patents  
Attn: Assignment Recordation Services  
Patent Examining Corps  
Facsimile Center  
P.O. Box 1450  
Alexandria, VA 22313-1450

FROM: Suneel Arora

OUR REF: 279.G77US1

**FAX NUMBER 571-273-0140**

Documents Transmitted:

**Assignment (8 pages), Assignment Recordation Form Cover Sheet (1 page), authorization to charge Deposit Account No. 19-0743 in the amount of \$40.00 to cover the Assignment Recording Fee.**

Total pages of this transmission, including cover letter: (10 pgs)

If you do NOT receive all of the pages described above, please telephone us at 612-373-6900 or fax us at 612-339-3061.

In re. Patent Application of: David Nghiem et al.

Examiner:

Serial No.: 12/579,994

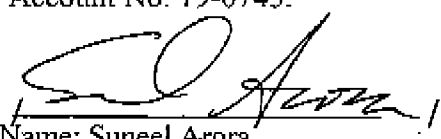
Group Art Unit:

Filed: October 15, 2009

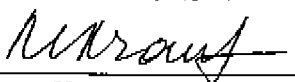
Docket No.: 279.G77US1

Title: IMPEDANCE-CONTROLLED IMPLANTABLE TELEMETRY ANTENNA

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

By:   
Name: Suneel Arora  
Reg. No. 42,267

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

  
Marina A. KrautDecember 3, 2009  
Date