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Atty Ref/Docket No.: 279.453US1

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To the Honorable Commissioner of Patents and Trademarks: Please receive \_\_\_\_\_ of \_\_\_\_\_

1. Name of conveying party(ies):  
Jeffrey A. Von Arx

6.16.03

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

Name: Cardiac Pacemakers, Inc.

Additional name(s) of conveying party(ies) attached? [ ]Yes [X]No

Street Address: 4100 Hamline Avenue North

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

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

Execution Date: December 6, 2002

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

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. 10/269905, filed October 11, 2002

Additional numbers attached? [ ]Yes [X]No

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

Name: David W Black

6. Total number of applications and patents involved: 1

7. 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 overpayments to our Deposit account number: 19-0743.

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.

David W Black/Reg. No. 42,331  
Name of Person Signing

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Total number of pages including cover sheet: 3

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Patent and Trademark Office



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Atty Ref/Docket No.: 279.453US1  
To the Honorable Commissioner of Patents and Trademarks

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Jeffrey A. Von Arx

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Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

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David W Black/Reg. No. 42,331  
Name of Person Signing

Signature

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## ASSIGNMENT

WHEREAS, I, Jeffrey A. Von Arx, residing at 2115 Emerson Avenue South, Minneapolis, MN 55405, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States on October 11, 2002, which application is assigned U.S. patent application serial number 10/269,905, and is entitled METHOD AND SYSTEM FOR IMPROVED SPECTRAL EFFICIENCY OF FAR FIELD TELEMETRY IN A MEDICAL DEVICE.

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, (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, 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 therefrom, 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 therefrom; 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.

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 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.

