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Atty Ref/Docket No.: 279.E12US1

Patent and Trademark Office

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1. Name of conveying party(ies):

Jan-Pieter Heemels

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

[] Yes [X] No

3. Nature of conveyance:

- Assignment [] Merger
- [] Security Agreement [] Change of Name
- [] Other

Execution Date: July 16, 1998

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

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)

6,055,454

Additional numbers attached? [] Yes [X] No

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

Name: Timothy E. Bianchi

Address:

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

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

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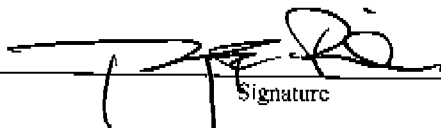
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9. Statement and signature.

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.

Timothy E. Bianchi/Reg. No. 39,610

Name of Person Signing


Signature

12/18/2008
Date

Total number of pages including cover sheet: 2

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A S S I G N M E N T

WHEREAS, I, JAN PIETER HEEMELS, a citizen of the Netherlands, and residing at Welriekendedreef 34, 1160 Oudergem, Belgium, am the inventor of that certain invention disclosed and claimed in the application for United States Letters Patent executed by me on July 16, 1998, and entitled "CARDIAC PACEMAKER WITH AUTOMATIC RESPONSE OPTIMIZATION OF A PHYSIOLOGIC SENSOR BASED ON A SECOND SENSOR"; and

WHEREAS, CARDIAC PACEMAKERS, INC., a corporation organized and existing under the laws of Minnesota, and having its principal office located at 4100 Hamline Avenue North, St. Paul, MN 55112, United States of America, is desirous of acquiring the said invention and any and all patents of any and all countries which may be granted on said invention.

NOW, THEREFORE, Be It Known that for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said Cardiac Pacemakers, Inc., and for other good and valuable consideration, the receipt of all of which is hereby acknowledged, I, JAN PIETER HEEMELS, have sold, assigned and transferred, and do hereby sell, assign and transfer unto said CARDIAC PACEMAKERS, INC., the entire right, title, and interest, both legal and equitable, in and to the said above identified invention for all countries, in and to the same above identified application for patent, and in and to any and all patents of any and all countries which may be granted on said invention; and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue, in accordance with this Assignment, any and all patents which may be granted on the above identified application or on the invention therein disclosed.

Signed at Zaventem Belgium, this 16th day of July, 1998.


 Jan Pieter Heemels
 Welriekendedreef 34
 1160 Oudergem, Belgium

In the Presence of:


 Name: JOHN H. LAPKE

Address: AVENUE des GENEVOUX 8

1410 Waterloo, Belgium

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TO: Commissioner for Patents
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FROM: Timothy E. Bianchi
 OUR REF: 279.E12US1

Documents Transmitted:

Assignment (1 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: (3 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: Jan-Pieter Heemels

Serial No.: 09/122,466

Filed: July 27, 1998


Title: CARDIAC PACEMAKER WITH AUTOMATIC RESPONSE OPTIMIZATION OF A
 PHYSIOLOGIC SENSOR BASED ON A SECOND SENSOR

Examiner:

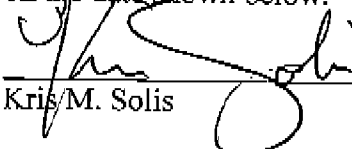
Group Art Unit: 3737

Docket No.: 279.E12US1

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By: 
 Name: Timothy E. Bianchi
 Reg. No. 39,610

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


 Kris M. Solis

12/18/07
 Date