

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Allen Keel</td><td>07/15/2009</td></tr> <tr><td>Stuart Rosenberg</td><td>08/10/2009</td></tr> <tr><td>Kyungmoo Ryu</td><td>08/10/2009</td></tr> <tr><td>Wenbo Hou</td><td>08/10/2009</td></tr> <tr><td>Thao Thu Nguyen</td><td>07/28/2009</td></tr> <tr><td>Kjell Noren</td><td>08/10/2009</td></tr> <tr><td>Michael Yang</td><td>08/10/2009</td></tr> </tbody> </table>		Name	Execution Date	Allen Keel	07/15/2009	Stuart Rosenberg	08/10/2009	Kyungmoo Ryu	08/10/2009	Wenbo Hou	08/10/2009	Thao Thu Nguyen	07/28/2009	Kjell Noren	08/10/2009	Michael Yang	08/10/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name:</td><td>PACESETTER, INC.</td></tr> <tr><td>Street Address:</td><td>15900 Valley View Court</td></tr> <tr><td>City:</td><td>Sylmar</td></tr> <tr><td>State/Country:</td><td>CALIFORNIA</td></tr> <tr><td>Postal Code:</td><td>91392-9221</td></tr> </table>		Name:	PACESETTER, INC.	Street Address:	15900 Valley View Court	City:	Sylmar	State/Country:	CALIFORNIA	Postal Code:	91392-9221						
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CORRESPONDENCE DATA																	
<p>Fax Number: (818)362-4795</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 818-362-6822</p> <p>Email: epineiro@sjm.com</p> <p>Correspondent Name: PACESETTER, INC.</p> <p>Address Line 1: 15900 VALLEY VIEW COURT</p> <p>Address Line 4: SYLMAR, CALIFORNIA 91392-9221</p>																	
ATTORNEY DOCKET NUMBER:	A09P1026																

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PATENT
REEL: 023092 FRAME: 0406

NAME OF SUBMITTER:

Estella Pineiro

Total Attachments: 4

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, we

- | | | |
|--|---|---|
| 1) Allen Keel
130 Descanso Drive, Apr. 421
San Jose, CA 95134 | 2) Stuart Rosenberg
31413 Arena Drive
Castaic, CA 91384 | 3) Kyungmoo Ryu
37460 Ruby Red Lane
Palmdale, CA 93551 |
| 4) Wenbo Hou
43653 Windrose Place
Lancaster, CA 93536 | 5) Thao Thu Nguyen
9213 3rd Ave. S.
Bloomington, MN 55420 | 6) Kjell Noren
Karolinagatan 10c, nb
SE-171-58 Solna SWEDEN |
| 7) Michael Yang
1771 Country Oaks Lane
Thousand Oaks, CA 91362 | | |

1. HEREBY sell, assign, and transfer to Pacesetter, Inc., herein the "Assignee," the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled

CARDIAC RESYNCHRONIZATION THERAPY OPTIMIZATION USING MECHANICAL DYSSYNCHRONY AND SHORTENING PARAMETERS FROM REALTIME ELECTRODE MOTION TRACKING

U.S. Serial No. 12/476,043; Filed 06/01/2009.

being identified in Pacesetter records as case number: **A09P1026**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

2. AGREE that Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives who carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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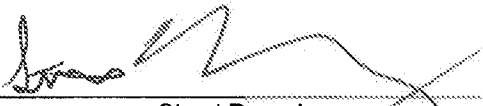
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3. COVENANT with said Assignee, its successor, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.


Date: 7/13/09

Signature: 
Allen Keel

Date: 8/10/09

Signature: 
Stuart Rosenberg

Date: 8/10/09

Signature: 
Kyungmoo Ryu

Date: 8/10/09

Signature: 
Wenbo Hou

Date: _____

Signature: _____
Thao Thu Nguyen

Date: _____

Signature: _____
Kjell Noren

Date: 8/10/09

Signature: 
Michael Yang

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Date: _____

Signature: _____
Allen Keel

Date: _____

Signature: _____
Stuart Rosenberg

Date: _____

Signature: _____
Kyungmoo Ryu

Date: _____

Signature: _____
Wenbo Hou

Date: _____

Signature: _____
Thao Thu Nguyen

Date: Aug 10, 2009

Signature: Kjell Noren
Kjell Noren

Date: _____

Signature: _____
Michael Yang


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Date: _____ Signature: _____
Allen Keel

Date: _____ Signature: _____
Stuart Rosenberg

Date: _____ Signature: _____
Kyungmoo Ryu

Date: _____ Signature: _____
Wenbo Hou

Date: 7-28-07 Signature: 
Thao Thu Nguyen

Date: _____ Signature: _____
Kjell Noren

Date: _____ Signature: _____
Michael Yang