

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Allen J. Keel</td> <td>08/10/2011</td> </tr> <tr> <td>Kyungmoo Ryu</td> <td>08/10/2011</td> </tr> <tr> <td>Stuart Rosenberg</td> <td>08/10/2011</td> </tr> </tbody> </table>		Name	Execution Date	Allen J. Keel	08/10/2011	Kyungmoo Ryu	08/10/2011	Stuart Rosenberg	08/10/2011		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Pacesetter, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>701 E. Evelyn Avenue</td> </tr> <tr> <td>City:</td> <td>Sunnyvale</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94086</td> </tr> </table>		Name:	Pacesetter, Inc.	Street Address:	701 E. Evelyn Avenue	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94086
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CORRESPONDENCE DATA											
<p>Fax Number: 4087380285  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 408-522-6181        Email: ecampbell@sjm.com        Correspondent Name: Pacesetter, Inc.        Address Line 1: 701 E. Evelyn Avenue        Address Line 2: Attn: Esther Campbell        Address Line 4: Sunnyvale, CALIFORNIA 94086</p>											
ATTORNEY DOCKET NUMBER:	A11P3009										
NAME OF SUBMITTER:	Steven M. Mitchell										
<p>Total Attachments: 2        source=11P3009#page1.tif        source=11P3009#page2.tif</p>											

CH \$40.00 13194747

# ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, WE,

- |  |   |
|--|---|
| <p>1. Allen J. Keel<br/>893 Rhode Island Street<br/>San Francisco, CA 94107</p> <p>3. Stuart Rosenberg<br/>31413 Arena Drive<br/>Castaic, CA 91384</p> | <p>2. Kyungmoo Ryu<br/>37460 Ruby Red Lane<br/>Palmdale, CA 93551</p> |
|--|---|

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

## DEVICES, SYSTEMS AND METHODS TO PERFORM ARRHYTHMIA DISCRIMINATION BASED ON THE ATRIAL AND VENTRICULAR ACTIVATION TIMES

being identified in Pacesetter records as case number: **A11P3009**

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


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: 8/10/11

Signature:   
Allen J. Keel

DEVICES, SYSTEMS AND METHODS TO PERFORM ARRHYTHMIA  
DISCRIMINATION BASED ON THE ATRIAL AND VENTRICULAR ACTIVATION TIMES

Date: 10 Aug 2011

Signature:   
Kyungmoo Ryu

Date: 10 AUG 2011

Signature:   
Stuart Rosenberg