

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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|                       |                |
|-----------------------|----------------|
| SUBMISSION TYPE:      | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

**CONVEYING PARTY DATA**

| Name           | Execution Date |
|----------------|----------------|
| Barun Maskara  | 04/08/2010     |
| Lili Liu       | 04/12/2010     |
| Guy Alvarez    | 04/09/2010     |
| Scott A. Meyer | 04/15/2010     |

**RECEIVING PARTY DATA**

|                 |                           |
|-----------------|---------------------------|
| Name:           | Cardiac Pacemakers, Inc.  |
| Street Address: | 4100 Hamline Avenue North |
| City:           | Saint Paul                |
| State/Country:  | MINNESOTA                 |
| Postal Code:    | 55112                     |

**PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12787868 |

**CORRESPONDENCE DATA**

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|                         |                 |
|-------------------------|-----------------|
| ATTORNEY DOCKET NUMBER: | 384364          |
| NAME OF SUBMITTER:      | Jennifer Barnes |

Total Attachments: 3  
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**OP \$40.00 12787868**

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**PATENT  
 REEL: 024503 FRAME: 0296**

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|-------------------|---|-------------|
| <b>ASSIGNMENT</b> | F&B Ref. No.: 384364<br>CPI Ref. No.: 08-1174   | Page 1 of 3 |
|                   | First Named Inventor: MASKARA, Barun  |             |
|                   | Title: SYSTEM AND METHOD FOR PACING RATE<br>CONTROL UTILIZING PATIENT HEMODYNAMIC<br>STATUS INFORMATION |             |

WHEREAS, we, **Barun Maskara**, a India citizen, residing at 1062 101st Lane Northeast, Blaine, MN 55434, **Lili Liu**, a China P.R. citizen, residing at 16912 73rd Place North, Maple Grove, MN 55311, **Guy Alvarez**, a United States citizen, residing at 400 Coyote Trail, Lino Lakes, MN 55014, and **Scott A. Meyer**, a United States citizen, residing at 21912 Carrbridge Court, Lakeville, MN 55044, have invented certain new and useful improvements as described in an application entitled **SYSTEM AND METHOD FOR PACING RATE CONTROL UTILIZING PATIENT HEMODYNAMIC STATUS INFORMATION**, in which an application was made for Letters Patent of the United States, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office by Application No. 12/787,868, filed May 26, 2010; and

WHEREAS, Cardiac Pacemakers, Inc., a Corporation of the State of Minnesota, and having an address of 4100 Hamline Avenue North, St. Paul, MN 55112 United States ("Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the invention, the above-identified patent application, corresponding domestic applications (including provisionals, divisionals, continuations, and continuations-in-part), corresponding foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and we authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained. We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, or our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

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|-------------------|---|-------------|
| <b>ASSIGNMENT</b> | F&B Ref. No.: 384364<br>CPI Ref. No.: 08-1174   | Page 2 of 3 |
|                   | First Named Inventor: MASKARA, Barun  |             |
|                   | Title: SYSTEM AND METHOD FOR PACING RATE CONTROL UTILIZING PATIENT HEMODYNAMIC STATUS INFORMATION |             |

*Maskara*  
\_\_\_\_\_  
Barun Maskara  
Date 04/08/2010

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF MN )  
COUNTY OF Ramsey : SS.  
Subscribed and sworn to before me, a Notary Public,  
this 8 day of April, 2010.  
*Paula Michelle Suchy*  
\_\_\_\_\_  
Notary Public  
(SEAL)



*Lili Liu*  
\_\_\_\_\_  
Lili Liu  
Date 04/12/2010

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF MN )  
COUNTY OF Ramsey : SS.  
Subscribed and sworn to before me, a Notary Public,  
this 8 day of April, 2010.  
*Paula Michelle Suchy*  
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Notary Public  
(SEAL)



