

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Anthony A. Primavera</td> <td>06/13/2005</td> </tr> <tr> <td>Vijesh Unnikrishnan</td> <td>06/13/2005</td> </tr> <tr> <td>David J. Smith</td> <td>06/13/2005</td> </tr> </tbody> </table>		Name	Execution Date	Anthony A. Primavera	06/13/2005	Vijesh Unnikrishnan	06/13/2005	David J. Smith	06/13/2005
Name	Execution Date								
Anthony A. Primavera	06/13/2005								
Vijesh Unnikrishnan	06/13/2005								
David J. Smith	06/13/2005								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Cardiac Pacemakers, Inc.								
<b>Street Address:</b>	4100 Hamline Avenue North								
<b>City:</b>	St. Paul								
<b>State/Country:</b>	MINNESOTA								
<b>Postal Code:</b>	55112								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11166461</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11166461				
Property Type	Number								
Application Number:	11166461								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(303)447-7800								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	303-447-7739								
<b>Email:</b>	tquillin@faegre.com								
<b>Correspondent Name:</b>	Damon A. Rieth								
<b>Address Line 1:</b>	1900 15th Street								
<b>Address Line 2:</b>	Faegre & Benson								
<b>Address Line 4:</b>	Boulder, COLORADO 80302								
<b>ATTORNEY DOCKET NUMBER:</b>	32469-315353								
<b>NAME OF SUBMITTER:</b>	Terrie Quillin								

Total Attachments: 3  
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OP \$40.00 11166461

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# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**

Anthony A. Primavera  
Vijesh Unnikrishnan  
David J. Smith

Additional name of conveying party(ies) attached?  Yes  No

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

Name: Cardiac Pacemakers, Inc.

Internal Address: \_\_\_\_\_

Street Address: 4100 Hamline Avenue North

City: St. Paul

State: MN

Country: US Zip: 55112

Additional Name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance:**

Execution Date(s) June 13, 2005

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application number(s) or patent number(s):**

A. Patent Application No.(s)  
11/166,461

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Damon A. Rieth

Internal Address: Faegre & Benson LLP

Street Address: 1900 15<sup>th</sup> Street

City: Boulder

State: CO Zip: 80302

Phone Number : 303-447-7739

Fax Number: 303-447-7800

Email Address: drieth@faegre.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

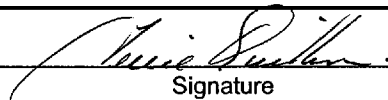
**8. Payment Information**

a. Credit Card Last 4 Numbers 1363  
Expiration Date 03/06

b. Deposit Account Number \_\_\_\_\_

Authorized User Name Clifford J. Seittles

**9. Signature :**



Signature

October 24, 2005

Date

Terrie Quillin

Total number of pages including cover sheet, attachments, and documents

3

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

# ASSIGNMENT

Attorney Docket No.: 32469-315353

Page 1 of 2

First Named Inventor: Anthony A. Primavera et al.

Title: FLIP CHIP DIE ASSEMBLY USING THIN FLEXIBLE SUBSTRATES

WHEREAS, we, Anthony A. Primavera, a United States citizen, residing at 19840 W. Ford Brook Dr. NW, Anoka, MN 55303, Vijesh Unnikrishnan, an Indian citizen, residing at 3111 Buchanan St. NE Emerson Avenue S. #104, Minneapolis, MN 55418, and David J. Smith, a United States citizen, residing at 3930 West 44<sup>th</sup> Street, Edina, MN 55424 have invented certain new and useful improvements as described in an application entitled **FLIP CHIP DIE ASSEMBLY USING THIN FLEXIBLE SUBSTRATES** 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. 11 1166, 461, filed June 24, 2005; and

WHEREAS, Cardiac Pacemakers, Inc. a corporation organized and existing under the laws of the State of Minnesota, and having offices at 4100 Hamline Avenue North, St. Paul, MN 55112, ("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, our entire right, title, and interest in and to the invention, the above-identified patent application, corresponding domestic applications (including 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, 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.

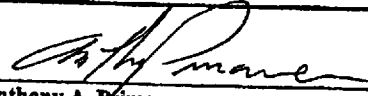
**ASSIGNMENT**

Attorney Docket No.: 32469-315353

Page 2 of 2

First Named Inventor: Anthony A. Primavera et al.

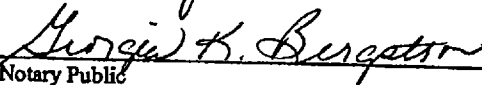
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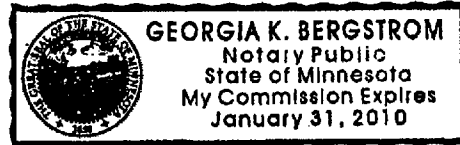
  
Anthony A. Primavera

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF Mo : SS.  
COUNTY OF Ramsey

Subscribed and sworn to before me, a Notary Public,  
this 13 day of June, 2005.

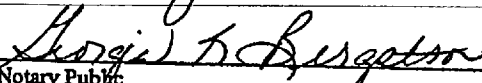
  
Notary Public  
(SEAL)

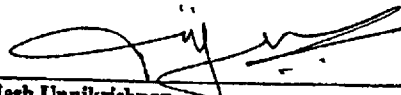


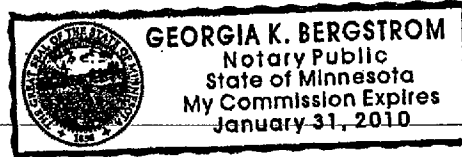
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Vijesh Unnikrishnan

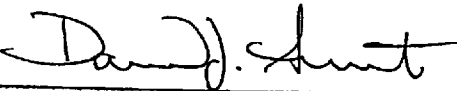


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David J. Smith

