

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| 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>Syed Hossainy</td> <td>03/15/2013</td> </tr> <tr> <td>Chad J. Abunassar</td> <td>03/14/2013</td> </tr> <tr> <td>Michael Huy Ngo</td> <td>03/15/2013</td> </tr> <tr> <td>Erik David Eli</td> <td>03/15/2013</td> </tr> <tr> <td>Santosh V. Prabhu</td> <td>03/14/2013</td> </tr> <tr> <td>Mikael Trollsas</td> <td>03/15/2013</td> </tr> <tr> <td>Richard Rapoza</td> <td>03/18/2013</td> </tr> </tbody> </table> |                                    | Name          | Execution Date                     | Syed Hossainy       | 03/15/2013          | Chad J. Abunassar | 03/14/2013  | Michael Huy Ngo | 03/15/2013 | Erik David Eli | 03/15/2013 | Santosh V. Prabhu | 03/14/2013 | Mikael Trollsas | 03/15/2013 | Richard Rapoza | 03/18/2013 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Execution Date                     |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Syed Hossainy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 03/15/2013                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Chad J. Abunassar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 03/14/2013                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Michael Huy Ngo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 03/15/2013                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Erik David Eli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 03/15/2013                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Santosh V. Prabhu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 03/14/2013                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Mikael Trollsas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 03/15/2013                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Richard Rapoza                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 03/18/2013                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| <table border="1"> <tr> <td>Name:</td> <td>Abbott Cardiovascular Systems Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3200 Lakeside Drive</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95054</td> </tr> </table>                                                                                                                                                                                               |                                    | Name:         | Abbott Cardiovascular Systems Inc. | Street Address:     | 3200 Lakeside Drive | City:             | Santa Clara | State/Country:  | CALIFORNIA | Postal Code:   | 95054      |                   |            |                 |            |                |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Abbott Cardiovascular Systems Inc. |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3200 Lakeside Drive                |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Santa Clara                        |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CALIFORNIA                         |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 95054                              |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13842547</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                              |                                    | Property Type | Number                             | Application Number: | 13842547            |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Number                             |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 13842547                           |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| <p>Fax Number: 4153939887<br/> <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 415-954-0200<br/>       Email: mary.padilla@squiresanders.com<br/>       Correspondent Name: SQUIRE SANDERS (US) LLP<br/>       Address Line 1: 275 BATTERY STREET, SUITE 2600<br/>       Address Line 4: SAN FRANCISCO, CALIFORNIA 94111-3356</p>                                                                                                                                   |                                    |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 104584.00055                       |               |                                    |                     |                     |                   |             |                 |            |                |            |                   |            |                 |            |                |            |

NAME OF SUBMITTER:

JAMES L. REED

**Total Attachments: 5**

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**ASSIGNMENT**

- |                                     |                       |
|-------------------------------------|-----------------------|
| (1-7) Insert Name(s) of Inventor(s) | (1) Syed HOSSAINY     |
|                                     | (2) Chad J. ABUNASSAR |
|                                     | (3) Michael Huy NGO   |
|                                     | (4) Erik David ELI    |
|                                     | (5) Santosh V. PRABHU |
|                                     | (6) Mikael TROLLSAS   |
|                                     | (7) Richard RAPOZA    |

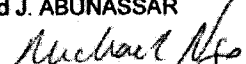
For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned agree(s) to assign, hereby do(es) assign, transfer and set over to:

- |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (8) Insert Name of Assignee                                                                             | (8) Abbott Cardiovascular Systems Inc.                                                                                                                                                                                                                                                                                                                |
| (9) Insert State of Incorporation of Assignee                                                           | (9) California                                                                                                                                                                                                                                                                                                                                        |
| (10) Insert Address of Assignee                                                                         | (10) of: 3200 Lakeside Drive, Santa Clara, CA 95054<br>(hereinafter designated as the Assignee) the entire<br>worldwide right, title, interest, and patent applications and<br>patents for every country, including divisions, reissues,<br>continuations and all other extensions, rights and priorities<br>in the invention known as and related to |
| (11) Insert Identification of Invention,<br>such as Title, Case Number or<br>Foreign Application Number | (11) METHODS FOR VASCULAR RESTORATION THERAPY<br><br>(Case No. 104584.00055) (Serial No. _____) for<br>which the undersigned has (have) executed an application<br>for patent in the United States of America                                                                                                                                         |
| (12) Insert Date of Signing of<br>Application                                                           | (12) on _____                                                                                                                                                                                                                                                                                                                                         |

- 1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute any agreement in conflict herewith.
- 6) *The undersigned hereby grant(s)*

**45159**

*the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.*

|                     |                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Date <u>3/15/13</u> | Name of Inventor <u></u><br>Syed HOSSAINY   |
| Date _____          | Name of Inventor _____<br>Chad J. ABUNASSAR                                                                                     |
| Date <u>3/15/13</u> | Name of Inventor <u></u><br>Michael Huy NGO |
| Date _____          | Name of Inventor _____<br>Erik David ELI                                                                                        |
| Date _____          | Name of Inventor _____<br>Santosh V. PRABHU                                                                                     |
| Date <u>3/15/13</u> | Name of Inventor <u></u><br>Mikael TROLLSAS |
| Date _____          | Name of Inventor _____<br>Richard RAPOZA                                                                                        |

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Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

Syed HOSSAINY

Date 3/14/2013

Name of Inventor \_\_\_\_\_

Chad J. Abunassar  
Chad J. ABUNASSAR

Date 3/14/13

Name of Inventor \_\_\_\_\_

Michael Huy NGO

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

Erik David ELI

Date 3/14/13

Name of Inventor \_\_\_\_\_

Sanjosh V. Prabhu  
Sanjosh V. PRABHU

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

Mikael TROLLSAS

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

Richard RAPOZA

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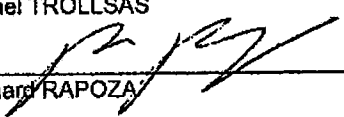
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|                       |                                                                                                                                |
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| Date _____            | Name of Inventor _____<br>Michael Huy NGO                                                                                      |
| Date <u>3/13/2013</u> | Name of Inventor <u></u><br>Erik David ELI |
| Date _____            | Name of Inventor _____<br>Santosh V. PRABHU                                                                                    |
| Date _____            | Name of Inventor _____<br>Mikael TROLLSAS                                                                                      |
| Date _____            | Name of Inventor _____<br>Richard RAPOZA                                                                                       |

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| Date _____          | Name of Inventor _____<br>Santosh V. PRABHU                                                                                   |
| Date _____          | Name of Inventor _____<br>Mikael TROLLSAS                                                                                     |
| Date <u>3/18/13</u> | Name of Inventor _____<br>Richard RAPOZA  |