

## 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>Bruce Simon</td><td>03/04/2009</td></tr><tr><td>Steven Mendez</td><td>03/04/2009</td></tr><tr><td>Hecheng Hu</td><td>03/04/2009</td></tr><tr><td>Richard P. Dickerson</td><td>03/04/2009</td></tr><tr><td>James R. Pastena</td><td>03/04/2009</td></tr><tr><td>Puyun Guo</td><td>03/05/2009</td></tr></tbody></table> | Name  | Execution Date | Bruce Simon         | 03/04/2009 | Steven Mendez | 03/04/2009 | Hecheng Hu | 03/04/2009 | Richard P. Dickerson | 03/04/2009 | James R. Pastena | 03/04/2009 | Puyun Guo | 03/05/2009 |  |
| Name   | Execution Date                                  |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| Bruce Simon  | 03/04/2009                                      |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| Steven Mendez  | 03/04/2009                                      |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| Hecheng Hu   | 03/04/2009                                      |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| Richard P. Dickerson   | 03/04/2009                                      |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| James R. Pastena   | 03/04/2009                                      |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| Puyun Guo  | 03/05/2009                                      |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| RECEIVING PARTY DATA   |   |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
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| 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>12394972</td></tr></tbody></table>   | Property Type                                   | Number         | Application Number: | 12394972   |               |            |            |            |                      |            |                  |            |           |            |  |
| Property Type  | Number  |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| Application Number:  | 12394972  |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| CORRESPONDENCE DATA  |   |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
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| Correspondent Name:  | GIBSON & DERNIER LLP                            |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
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| ATTORNEY DOCKET NUMBER:  | 663-25X2  |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |
| NAME OF SUBMITTER:   | Matthew B. Dernier                              |                |                     |            |               |            |            |            |                      |            |                  |            |           |            |  |

OP \$40.00 12394972

PATENT

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REEL: 022394 FRAME: 0394

Total Attachments: 2

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## Assignment of Patent Rights

The parties to this assignment are listed below and if there is more than one Assignor or Assignee, the words "Assignor" and "Assignee" shall include them:

**Assignor:** Bruce Simon, having an address at 56 Pollard Road, Mountain Lakes, NJ 07040;

**Assignor:** Steven Mendez, having an address at 10 Willow Drive, Chester, NJ 07930;

**Assignor:** Hecheng Hu, having an address at 75 Briarwood Terrace, Cedar Grove, NJ 07009;

**Assignor:** Richard P. Dickerson, having an address at 23 Woodside Drive, Rockaway, NJ 07866;

**Assignor:** James R. Pastena, having an address at 15 Hillary Terrace, Succasunna, NJ 07876;

**Assignor:** Puyun Guo, having an address at 27 Walnut Street, Summit, NJ 07901, and

**Assignee:** ElectroCore, Inc. having an address at 51 Gibraltar Drive- Suite 2F, Powder Mill Plaza, Morris Plains, NJ 07054-1868.

This assignment relates to the following patent application and/or issued patent, which is hereinafter referred to as "the Patent":

[X] a United States patent application No. ~~12/340,972~~ <sup>12/394,972</sup> filed on February 27, 2009, and entitled METHODS AND APPARATUS FOR STIMULATION TREATMENT USING BALLOON AND ELECTRODE

Assignor has received Ten Dollars (\$10.00) and other good and valuable consideration for this assignment. Assignor assigns to Assignee all of Assignor's right, title and interest in the Patent, the invention(s) described and claimed in the Patent, and all patents that may issue based on the invention(s) and on the Patent, including any patent that issues from a divisional and/or continuing application claiming benefit of the Patent, in the United States *and in every foreign country*, including the right to enforce the Patent for infringement accrued prior to the effective date of this assignment. *Assignor also assigns to Assignee all priority rights in the Patent.\* In those countries where permitted, the Assignor authorizes the Assignee to apply for patents for the invention directly in Assignee's name.\** Assignor authorizes the Commissioner of Patents and Trademarks or other governmental authority to issue all patents for the invention directly to Assignee. Assignor states that Assignor has the right to grant to Assignee the rights which are assigned by this assignment. Assignor will sign any additional documents as may be needed to carry out the purpose of this assignment. This assignment is binding on all parties who lawfully succeed to the rights of or take the place of Assignor or Assignee.

The undersigned hereby grant(s) to the firm of Gibson & Dernier LLP, 900 Route 9 North, Woodbridge, New Jersey 07095, the power to insert on this assignment any further identification of the Patent which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office concerning recordation of this document.

The effective date of this assignment is \_\_\_\_\_.

**SIGNATURE(S)**

**DATE**

**TYPED OR PRINTED NAME(S)**

Bruce Simon

First Assignor Signature

3-4-09

Bruce Simon

Bruce Simon

Steven Mendez

Second Assignor Signature

3-4-09

Steven Mendez

Steven Mendez

Hecheng Hu

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3/4/09

Hecheng Hu

Hecheng Hu

\* Strike italicized sections only if foreign rights are not intended to be assigned.

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Fifth Assignor Signature

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James R. Pastena  
James R. Pastena

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Sixth Assignor Signature

3/5/09

PUYUN GUO  
Puyun Guo