

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>Vincent J. MURPHY</td> <td>06/04/2012</td> </tr> <tr> <td>Eric L. DIAS</td> <td>06/07/2012</td> </tr> <tr> <td>James A. W. SHOEMAKER</td> <td>06/05/2012</td> </tr> <tr> <td>Thomas R. BOUSSIE</td> <td>06/04/2012</td> </tr> <tr> <td>Zachary M. FRESCO</td> <td>06/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Vincent J. MURPHY	06/04/2012	Eric L. DIAS	06/07/2012	James A. W. SHOEMAKER	06/05/2012	Thomas R. BOUSSIE	06/04/2012	Zachary M. FRESCO	06/04/2012
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<table border="1"> <tr> <td>Name:</td> <td>Rennovia, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1080 Hamilton Avenue</td> </tr> <tr> <td>City:</td> <td>Menlo Park</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94025</td> </tr> </table>		Name:	Rennovia, Inc.	Street Address:	1080 Hamilton Avenue	City:	Menlo Park	State/Country:	CALIFORNIA	Postal Code:	94025		
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CORRESPONDENCE DATA													
<p>Fax Number: 4152687522 Phone: (415) 268-6237 Email: tnakashima@mofo.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Michael R. Ward Address Line 1: 425 Market Street Address Line 2: Morrison & Foerster LLP Address Line 4: San Francisco, CALIFORNIA 94105</p>													
ATTORNEY DOCKET NUMBER:	682442000100												
NAME OF SUBMITTER:	Michael R. Ward												
<p>Total Attachments: 3 source=ASSIGNMENT signed#page1.tif source=ASSIGNMENT signed#page2.tif source=ASSIGNMENT signed#page3.tif</p>													

CH \$40.00 13434756

PATENT

ASSIGNMENT

This assignment is by:

1. Vincent J. MURPHY
245 13th Street
San Jose, California 95112
2. Eric L. DIAS
3913 Christian Drive
Belmont, California 94002
3. James A. W. SHOEMAKER
8842 Daffodil Place
Gilroy, California 95020
4. Thomas R. BOUSSIE
916 Laurel Avenue
Menlo Park, California 94025
5. Zachary M. FRESCO
366 Laguna Vista Road
Santa Rosa, California 95401

(referred to in this Assignment as "Assignors"), who reside at or have a mailing address as listed above.

This Assignment is to:

Assignee: Rennovia, Inc.
Address: 1080 Hamilton Avenue, Menlo Park, California 94025
A corporation duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), who desires to acquire the entire right, title and interest in said inventions and said application for letters patent of the United States, and in any United States or foreign, letters patent or patents, to be obtained therefor and thereon.

Assignors have invented certain new and useful inventions in:

PRODUCTION OF CAPROLACTAM FROM CARBOHYDRATE-CONTAINING MATERIALS

for which Assignors have filed an application for patent in the United States of America concurrently herewith. Where this Assignment is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.: 13/434,756

Filing Date: March 29, 2012

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignors hereby sell, assign, transfer and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for letters patent, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisionals, divisions, continuations, continuations-in-part and substitutions of said application, or reissues, re-examinations or extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover for past, present and future infringement), for its own use and the

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sf-3134570

use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

2. Assignors represent, warrant and covenant that, at the time of execution and delivery of this agreement, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and said application for letters patent, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement.

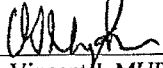
3. Assignors shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any application for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.

4. Assignors hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patents of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

5. "I hereby grant Assignee's attorneys, all of Morrison & Foerster LLP, 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, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: 6/4/12

Signature: 
Vincent J. MURPHY


Date: 6/7/12

Signature: 
Eric L. DIAS

Date: 06/05/2012

Signature: 
James A. W. SHOEMAKER

Date: 6/4/12

Signature: 
Thomas R. BOUSSIE

Date: _____

Signature: _____
Zachary M. FRESCO

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2. Assignors represent, warrant and covenant that, at the time of execution and delivery of this agreement, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and said application for letters patent, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement.

3. Assignors shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any application for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: _____

Signature: _____
Vincent J. MURPHY

Date: _____

Signature: _____
Eric L. DIAS

Date: _____

Signature: _____
James A. W. SHOEMAKER

Date: _____

Signature: _____
Thomas R. BOUSSIE

Date: 6-7-2012

Signature: 
Zachary M. FRESCO