

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>David Young</td> <td>07/29/2013</td> </tr> <tr> <td>David Berry</td> <td>07/26/2013</td> </tr> <tr> <td>Geoffrey von Maltzahn</td> <td>07/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	David Young	07/29/2013	David Berry	07/26/2013	Geoffrey von Maltzahn	07/29/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Pronutria, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>840 Memorial Drive, 3rd Floor</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Pronutria, Inc.	Street Address:	840 Memorial Drive, 3rd Floor	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: 6509385200 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 415-875-2352 Email: sfuentes@fenwick.com Correspondent Name: Kevin Kabler Address Line 1: 801 California Street Address Line 4: Mountain View, CALIFORNIA 94041											
ATTORNEY DOCKET NUMBER:	23797										
NAME OF SUBMITTER:	Kevin Kabler, Reg. No. 63,090										
Signature:	/Kevin Kabler/										
Date:	08/12/2013										

CH \$40.00 13326211

Total Attachments: 4

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Pronutria, Inc., a Delaware corporation, having a place of business at 840 Memorial Drive, 3rd Floor, Cambridge, MA 02139 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No. 13/326,211, entitled "Microorganisms and Methods for Producing Unsaturated Fatty Acids," filed on December 14, 2011.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Title: Microorganisms and Methods for Producing Unsaturated Fatty Acids
Filed: December 14, 2011
Application No.: 13/326,211

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature

David Young

Name and Signature

David Berry

Name and Signature

Geoffrey von Maltzahn

Date of Signature

7/29/2012

Date of Signature

Date of Signature

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Name and Signature

Date of Signature

David Young

Name and Signature

Date of Signature

W. A. Berry

7/26/2013

David Berry

Name and Signature

Date of Signature

Geoffrey von Maltzahn

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Name and Signature

Date of Signature

David Young

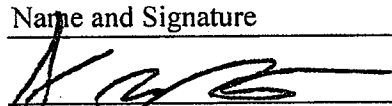
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David Berry

Name and Signature

Date of Signature


Geoffrey von Maltzahn

7/29/2013