

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AARON ARGYROS	10/03/2013
WILLIAM RYAN SILLERS	10/09/2013
TRISHA BARRETT	10/30/2013
NICKY CAIAZZA	10/03/2013
ARTHUR J. SHAW IV	10/07/2013
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<b>Name:</b>	MASCOMA CORPORATION
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<b>State/Country:</b>	NEW HAMPSHIRE
<b>Postal Code:</b>	03766
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15639152
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)310-9000
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	115235-248
<b>NAME OF SUBMITTER:</b>	GURUNATHAN LAXMIKANTHAN
<b>SIGNATURE:</b>	/Gurunathan Laxmikanthan/
<b>DATE SIGNED:</b>	11/13/2020
<b>Total Attachments: 10</b>	

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## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Aaron ARGYROS, William Ryan SILLERS, Trisha BARRETT, Nicky CALAZZA, and Authur J. SHAW, IV**, hereby sell and assign to **Mascoma Corporation**, a corporation formed under the laws of Delaware, whose mailing address is 67 Etna Road, Suite 300, Lebanon, New Hampshire 03766 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Methods for the Improvement of Product Yield and Production in a Microorganism Through the Addition of Alternate Electron Acceptors** for which a provisional application for patent in the United States of America was filed on April 5, 2011 (also known as United States Application No. 61/472,085), in any and all non-provisional applications therefrom, in any and all Letters Patent(s) granted from such non-provisional applications, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor, and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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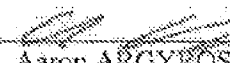
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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 10/3/2013 Signature of Inventor:   
Aaron ARGYROS

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
William Ryan SILLERS

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Trisha BARRETT

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Nicky CAIAZZA

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Arthur J. SHAW, IV

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Date: _____	Signature of Inventor: _____ Aaron ARGYROS
Date: <u>10/9/13</u>	Signature of Inventor: <u>[Signature]</u> William Ryan SILLERS
Date: _____	Signature of Inventor: _____ Trisha BARRETT
Date: _____	Signature of Inventor: _____ Nicky CALAZZA
Date: _____	Signature of Inventor: _____ Arthur J. SHAW, IV

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Aaron ARGYROS

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
William Ryan SILLERS

Date: 10/30/13 Signature of Inventor: Trisha L Barrett  
Trisha BARRETT

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Nicky CAIAZZA

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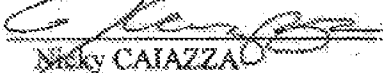
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