

## 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>
PRASHANT IYER	05/02/2013
HARRY SHOWMAKER	05/06/2013
HUI XU	05/06/2013
KISHORE RANE	05/02/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOVOZYMES NORTH AMERICA, INC.
<b>Street Address:</b>	77 PERRY CHAPEL CHURCH ROAD
<b>City:</b>	FRANKLINTON
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27525
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13884763
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)840-0221
<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>	
<b>Phone:</b>	919-494-3405
<b>Email:</b>	ayl@novozymes.com
<b>Correspondent Name:</b>	NOVOZYMES NORTH AMERICA, INC.
<b>Address Line 1:</b>	60 EAST 42ND STREET
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10165
<b>ATTORNEY DOCKET NUMBER:</b>	12042-US-PCT
<b>NAME OF SUBMITTER:</b>	ELIAS LAMBIRIS
<b>SIGNATURE:</b>	/ELAM/
<b>DATE SIGNED:</b>	06/30/2014
<b>Total Attachments: 1</b>	
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ASSIGNMENT OF APPLICATION FOR PATENT

## WHEREAS:

Prashant Iyer, residing at Raleigh North Carolina;  
Harry Showmaker, residing at Raleigh North Carolina;  
Hui Xu, residing at Wake Forest North Carolina;  
Kishore Rane, residing at Raleigh North Carolina;

(hereinafter ASSIGNORS), have made a discovery or invention entitled:

Methods of Hydrolyzing Oligomers in Hemicellulosic Liquor

for which a PCT application designating the United States, was filed on December 6, 2011 application number PCT/US2011/63565.

## WHEREAS:

Novozymes North America, Inc. of 77 Perry Chapel Church Road, Franklinton North Carolina 27525 (hereinafter ASSIGNEE), is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt of which is acknowledged, and other good and valuable consideration, ASSIGNORS do sell, assign and transfer to ASSIGNEE the full and exclusive right to the said invention in the United States and in all foreign countries and the entire right, title and interest in and to any and all patents or similar legal protection which may granted therefor in the United States and in all foreign countries from said application or any continuation, division, renewal, extension, substitute or reissue thereof or any legal equivalent thereof in a foreign country. We hereby authorize and request the Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as aforesaid, to issue said United States and foreign patents to ASSIGNEE, of the entire right, title and interest in and to same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

Date:

05/02/2013

Prashant Iyer

Date:

05/06/2013

Harry Showmaker

Date:

05/06/2013

Hui Xu

Date:

05/02/2013

Kishore Rane