

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4747445

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW RICHARD	11/20/2017
DENNIS D'AGOSTINO	11/20/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMET BIOREFINING INC.
<b>Street Address:</b>	P.O. BOX 3325 SARNIA MAIN
<b>Internal Address:</b>	1475 VIDAL ST. S.
<b>City:</b>	SARNIA, ONTARIO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N7T 8G6
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15565069
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)223-1111
<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>	303.223.1399
<b>Email:</b>	ALOWELL@BHFS.COM
<b>Correspondent Name:</b>	CARA L. CROWLEY-WEBER
<b>Address Line 1:</b>	BROWNSTEIN HYATT FARBER SCHRECK, LLP
<b>Address Line 2:</b>	410 SEVENTEENTH ST., SUITE 2200
<b>Address Line 4:</b>	DENVER, COLORADO 80202
<b>ATTORNEY DOCKET NUMBER:</b>	017788.0004/12208/00035
<b>NAME OF SUBMITTER:</b>	CARA L. CROWLEY-WEBER
<b>SIGNATURE:</b>	/Cara L. Crowley-Weber/
<b>DATE SIGNED:</b>	12/21/2017
<b>Total Attachments: 2</b>	
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## CONFIRMATORY ASSIGNMENT (World)

WHEREAS,

- 1) **RICHARD, Andrew;** and
- 2) **D'AGOSTINO, Dennis**

hereinafter referred to as the "Assignors", whose full post office addresses are,

- 1) **737 Guildwood Blvd., London, Ontario N6H 5G2, Canada**
- 2) **185 Main St. N., Waterdown, Ontario L0R 2H0, Canada**

have made one or more inventions relating to and entitled:

**Methods and Compositions for the Treatment of Cellulosic Biomass and  
Products Produced Thereby**

hereinafter referred to as the "Invention", as fully set forth and described in an application for Letters Patent identified as:

Country	Application Number	Filing Date
United States	62/145,785	April 10, 2015
United States	62/246,271	October 26, 2015
PCT	PCT/CA2016/050402	April 8, 2016

hereinafter referred to as the "Applications";

AND WHEREAS,

**Comet Biorefining Inc.**

hereinafter referred to as the "Assignee", whose full post office address is

**P.O. Box 3325 Sarnia Main, 1475 Vidal St. S, Sarnia, Ontario N7T 8G6, Canada**

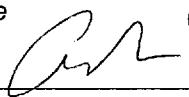
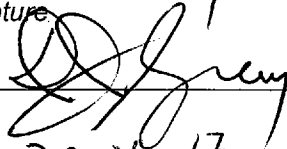
desires to acquire the Assignors' entire right, title and interest in and to the Invention and the Applications;



NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignors confirm that they have, as of **April 10, 2015** sold, assigned, transferred and set over, and for greater certainty, do hereby sell, assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, their entire right, title and interest for Canada, the United States and all other countries throughout **the World** in and to the Invention, together with its entire right, title and interest in and to the Applications and any and all Letters Patents that may issue for the Invention, including any and all divisions, reissues, continuations and extensions of the Applications, to the full end of the term for which each of said Letters Patents may be granted, and including any right to claim priority

based on the Application, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by the Assignors had this Assignment not been made;

AND the Assignors, on behalf of themselves and their executors and administrators, do hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by the Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters Patents for the Invention and vest the same in the Assignee, its successors, assigns, or legal representatives;

AND the Assignors, on behalf of themselves and their executors and administrators, do hereby authorize the Assignee, its successors, assigns, or legal representatives, including its Patent Agents, Blake, Cassels & Graydon LLP, to amend this assignment to insert or correct the filing date, serial number or other identifying information of the Application as may be needed to record this assignment.

Assignor 1	Witness
Name <b>RICHARD, Andrew</b>	Name D. J. Gray
Signature 	Signature 
Date NOV 20/17	Date 20 Nov 17

Assignor 2	Witness
Name <b>D'AGOSTINO, Dennis</b>	Name D. J. Gray
Signature 	Signature 
Date NOVEMBER 24 2018	Date 20 Nov 17