

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2578941

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>MARVIN I. GREENE</td> <td>10/10/2013</td> </tr> <tr> <td>RUOZHI SONG</td> <td>10/10/2013</td> </tr> <tr> <td>ARVIDS JUDZIS JR.</td> <td>10/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	MARVIN I. GREENE	10/10/2013	RUOZHI SONG	10/10/2013	ARVIDS JUDZIS JR.	10/10/2013
Name	Execution Date								
MARVIN I. GREENE	10/10/2013								
RUOZHI SONG	10/10/2013								
ARVIDS JUDZIS JR.	10/10/2013								
RECEIVING PARTY DATA									
Name:	LUMMUS TECHNOLOGY INC.								
Street Address:	1515 BROAD STREET								
City:	BLOOMFIELD								
State/Country:	NEW JERSEY								
Postal Code:	07003-3096								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14052972</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14052972				
Property Type	Number								
Application Number:	14052972								
CORRESPONDENCE DATA									
Fax Number:	(713)228-8778								
Phone:	7132288600								
Email:	khennessy@oshaliang.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	JEFFREY S. BERGMAN								
Address Line 1:	909 FANNIN								
Address Line 2:	SUITE 3500								
Address Line 4:	HOUSTON, TEXAS 77010								
ATTORNEY DOCKET NUMBER:	17421/124002								
NAME OF SUBMITTER:	JEFFREY S. BERGMAN								
Signature:	/Jeffrey S. Bergman/								

Date:	10/14/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 6 source=17421124002assignment#page1.tif source=17421124002assignment#page2.tif source=17421124002assignment#page3.tif source=17421124002assignment#page4.tif source=17421124002assignment#page5.tif source=17421124002assignment#page6.tif</p>	

Intellectual Property Law

DECLARATION AND ASSIGNMENT – WORLDWIDE

Whereas, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") has/have invented:

The attached application to be filed as a United States application or PCT international application, or
 United States application or PCT international application number 14/052,972 filed on 10/14/2013; and, entitled:

CONVERSION OF ALCOHOLS TO DISTILLATE FUELS

Regarding that application, each of the INVENTOR(S) declares the following:

- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the INVENTOR(S) hereby assign, transfer, and set over to:

LUMMUS TECHNOLOGY INC.

having the following address:

**1515 Broad Street
Bloomfield, New Jersey 07003-3096**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention described in the patent application identified above (referred to herein as "INVENTION"), together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;

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Intellectual Property Law

2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA • LIANG LLP 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 for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

10/10/13
Date

1st Inventor Signature: *Marvin I. Greene*
Print or Type Name: Marvin I. Greene

2nd Inventor Signature: _____
Print or Type Name: Ruozy Song

3rd Inventor Signature: _____
Print or Type Name: Arvids Judzis, Jr.

This Assignment may be signed before either:
(a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:

NOTARY PUBLIC	State of _____ County of _____
	Before me personally appeared: <u>Marvin I. Greene</u> <u>Ruozy Song</u> <small>1st Inventor 2nd Inventor</small> <u>Arvids Judzis, Jr.</u> <small>3rd Inventor 4th Inventor</small>
WITNESSES	each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.
	Dated: <u>OCTOBER 10, 2013</u> <u><i>Jayne Ann Innes</i></u> <small>Notary Public</small> My commission expires: <u>JUNE 19, 2016</u>
Signature of Witness: _____ Date: _____ Print or Type Name: _____	Signature of Witness: _____ Date: _____ Print or Type Name: _____

JAYME ANN INNES
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JUNE 19, 2016

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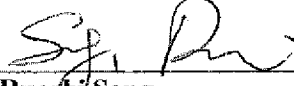
Intellectual Property Law

2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

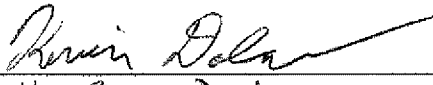
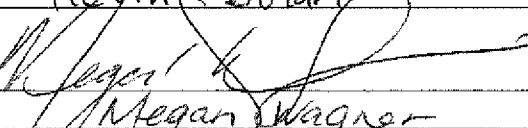
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IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

		1st Inventor Signature:	
Date		Print or Type Name:	Marvin I. Greene
10/10/2013		2 nd Inventor Signature:	
Date		Print or Type Name:	Ruozhi Song
		3 rd Inventor Signature:	
Date		Print or Type Name:	Arvids Judzis, Jr.

This Assignment may be signed before either:
(a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:

NOTARY PUBLIC	State of _____		
	County of _____		
	Before me personally appeared:	<u>Marvin I. Greene</u> <small>1st Inventor</small>	<u>Ruozhi Song</u> <small>2nd Inventor</small>
		<u>Arvids Judzis, Jr.</u> <small>3rd Inventor</small>	 <small>4th Inventor</small>
each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.			
Dated: _____			
		<i>Notary Public</i>	My commission expires: _____
WITNESSES	<u>10/10/2013</u> Date	Signature of Witness:	
		Print or Type Name:	Kevin Dolan
	<u>10/10/2013</u> Date	Signature of Witness:	
		Print or Type Name:	Megan Wagner

Intellectual Property Law

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