

PATENT ASSIGNMENT COVER SHEET

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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>ARUN ARORA</td> <td>03/25/2013</td> </tr> <tr> <td>UJJAL K. MUKHERJEE</td> <td>03/25/2013</td> </tr> <tr> <td>WAI SEUNG LOUIE</td> <td>03/25/2013</td> </tr> <tr> <td>MARVIN I. GREENE</td> <td>03/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	ARUN ARORA	03/25/2013	UJJAL K. MUKHERJEE	03/25/2013	WAI SEUNG LOUIE	03/25/2013	MARVIN I. GREENE	03/25/2013
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<table border="1"> <tr> <td>Name:</td> <td>LUMMUS TECHNOLOGY INC.</td> </tr> <tr> <td>Street Address:</td> <td>1515 BROAD STREET</td> </tr> <tr> <td>City:</td> <td>BLOOMFIELD</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07003-3096</td> </tr> </table>		Name:	LUMMUS TECHNOLOGY INC.	Street Address:	1515 BROAD STREET	City:	BLOOMFIELD	State/Country:	NEW JERSEY	Postal Code:	07003-3096
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CORRESPONDENCE DATA											
<p>Fax Number: (713)228-8778</p> <p>Phone: 7132288600</p> <p>Email: khennessey@oshaliang.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: JEFFREY S. BERGMAN</p> <p>Address Line 1: 909 FANNIN</p> <p>Address Line 2: SUITE 3500</p> <p>Address Line 4: HOUSTON, TEXAS 77010</p>											
ATTORNEY DOCKET NUMBER:	17421/150002										
NAME OF SUBMITTER:	JEFFREY S. BERGMAN										

Signature:	/JEFFREY S. BERGMAN/
Date:	02/14/2014
Total Attachments: 2 source=17421150002assignment#page1.tif source=17421150002assignment#page2.tif	

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as 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 known by the following title:

HYDROPROCESSING THERMALLY CRACKED PRODUCTS

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which 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 which 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;
2. To execute all papers and documents and to perform all lawful acts which 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 which may be necessary to obtain the grant of a valid and enforceable patent 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 which 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.

OSHALIANG

Intellectual Property Law

PATENT

REEL: 032220 FRAME: 0293

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

3/25/13
Date

1st Inventor Signature: [Signature]
Print or Type Name: Arun Arora

3/25/13
Date

2nd Inventor Signature: [Signature]
Print or Type Name: Ujjal K. Mukherjee

3/25/13
Date

3rd Inventor Signature: [Signature]
Print or Type Name: Wai Seung Louie

3/25/13
Date

4th Inventor Signature: [Signature]
Print or Type Name: Marvin I. Greene

NOTARY PUBLIC

State of _____
County of _____

Before me personally appeared: Arun Arora Ujjal K. Mukherjee
1st Inventor 2nd Inventor
Wai Seung Louie Marvin I. Greene
3rd Inventor 4th Inventor

5th Inventor 6th Inventor

7th Inventor 8th Inventor

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: _____
Notary Public My commission expires: _____

WITNESSES

3/25/13
Date

Signature of Witness: [Signature]
Print or Type Name: Sharon M. [Name]

3/25/13
Date

Signature of Witness: [Signature]
Print or Type Name: James Lynch

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 14/180,623
Filing Date: February 14, 2014

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Intellectual Property Law
RECORDED: 02/14/2014

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