

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Robert John Brummer</td> <td>09/19/2013</td> </tr> <tr> <td>Kevin John Schwint</td> <td>09/19/2013</td> </tr> <tr> <td>Thomas Alexander Dwyer</td> <td>09/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Robert John Brummer	09/19/2013	Kevin John Schwint	09/19/2013	Thomas Alexander Dwyer	09/19/2013
Name	Execution Date								
Robert John Brummer	09/19/2013								
Kevin John Schwint	09/19/2013								
Thomas Alexander Dwyer	09/19/2013								
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>14034822</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14034822				
Property Type	Number								
Application Number:	14034822								
CORRESPONDENCE DATA									
Fax Number:	7132288778								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	7132288600								
Email:	khennessey@oshaliang.com								
Correspondent Name:	Jeffrey S. Bergman								
Address Line 1:	909 Fannin								
Address Line 2:	Suite 3500								
Address Line 4:	Houston, TEXAS 77010								
ATTORNEY DOCKET NUMBER:	17421/125002								
NAME OF SUBMITTER:	Jeffrey S. Bergman								
Signature:	/Jeffrey S. Bergman/								

Date:	09/24/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 2 source=17421125002assignment#page1.tif source=17421125002assignment#page2.tif	

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 Provisional application or PCT international application number 14/034,822 filed on 9/24/2013; and, entitled:

BUTADIENE EXTRACTION PROCESS

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;
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;

