## 503731059 03/10/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3777701

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
ATURE OF CONVEYA	NCE:	ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ					
		Name	Execution Date			
FREDERICK M. MACD	ONNELL		05/28/2013			
BRIAN H. DENNIS			05/28/2013			
RICHARD E. BILLO			05/28/2013			
JOHN W. PRIEST			05/29/2013			
RECEIVING PARTY DA	ΑΤΑ					
Name:	THE BC	OARD OF REGENTS OF THE UNIVE	ERSITY OF TEXAS SYSTEM			
Street Address:	201 WE	ST 7TH STREET				
City:	AUSTIN	AUSTIN				
State/Country:	TEXAS	TEXAS				
Postal Code:	78701	78701				
Property Type 1477						
		Number				
		Number 14776423				
Application Number:						
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Application Number: CORRESPONDENCE I Fax Number: Correspondence will b	DATA be sent to	14776423				
Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will k</i> <i>using a fax number, if</i> Phone:	DATA be sent to provided	(214)745-5390 <i>the e-mail address first; if that is (</i> <i>; if that is unsuccessful, it will be</i> ; (214) 745-5356				
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PATENT REEL: 037946 FRAME: 0478

## ASSIGNMENT

We, Brian H. DENNIS, of 3144 Watersode Dr. Arlington, TX 76012, a citizen of United States of America, Frederick M. MACDONNELL, of 223 Varsity Cr., Arlington, TX 76013, a citizen of United States of America, Richard E. BILLO, of 6004 Chestnut Bend, Colleyville, TX 76034, a citizen of United States of America and John W. PRIEST, of 1999 McKinney Ave. #1405 Dallas TX 75201 a citizen of United States of America, have invented PROCESSES FOR LIQUEFYING CARBONACEOUS FEEDSTOCKS AND RELATED COMPOSITIONS. This is an Assignment of the following rights, title and interest (check all that apply):

United States of America rights, title and interest in the invention

Foreign rights, title and interest in the invention

An application to the Commissioner for Patents of the United States of America filed herewith

United States Provisional Patent Application Serial No. 61/789,311 filed on March 15, 2013

United States Patent Application Serial No. filed on

United States Patent No(s).

International (PCT) Patent Application Serial No. filed on

Other (specify):

We were employed by The University of Texas at Arlington, a State Institution of Higher Education established under the laws of the State of Texas within The University of Texas System, at the time the invention was made. The conditions under which said invention was made are such as to entitle the Board of Regents, The University of Texas System (hereinafter SYSTEM), having a place of business at 201 West 7<sup>th</sup> St., Austin, TX 78701, to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, have voluntarily sold, assigned, and transferred and do voluntarily sell, assign, and transfer to SYSTEM, and successors and assigns, our full and exclusive right, title and interest in and to the invention(s) disclosed in said application throughout the world, including the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in said application. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reexamination, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We have authorized SYSTEM to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. SYSTEM has the right to select attorneys or agents of its choice to prosecute at its discretion these applications on its behalf. We authorize and request the issuance of said Letters Patent to SYSTEM, as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

PATENT REEL: 037946 FRAME: 0479

PATENT =EL: 037946 FRAME: 0480

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment. We shall not communicate nor cooperate in any manner with any third party, other than SYSTEM, that claims any rights in and to said invention(s) and said application.

We also hereby assign all rights, title and interest to any improvements related to said invention(s) to SYSTEM and agree to promptly and fully communicate to SYSTEM any facts and information known to us respecting any improvements related to said invention(s) and said application while any patent application anywhere in the world is still pending that claims priority, whether directly or indirectly, from said invention(s) or said application(s). We will maintain any such facts and information in confidence and will only reveal such facts and information to SYSTEM or its assigns.

We also covenant that we will communicate to SYSTEM, its representatives, assigns or agents, any facts known to us respecting said invention(s) or said application(s), and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid SYSTEM and its assigns to obtain and enforce proper patent protection for said invention(s) or said application(s) in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

We grant SYSTEM, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated:	5-28-2013	
STATE OF	Texas )	
COUNTY OF	Tarrant }ss	×

**Brian H.DENNIS** 

This 28 day of May 20/3, before me personally came the above-named Brian H.DENNIS, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

BARBARA J SMITH	Barbara J Shuth
My Commission Expires	Notary Public for J State OF TEXAS
The state of the second	My commission expires: <u>10-16-2015</u>

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Page 2 of 4

UTA Tech. ID No. 10-24	Docket No. UTSL.P0074.P3
Dated: <u>5-28-2013</u>	Steelen M. Maleur
STATE OF TEXAS	Frederick M. MACDONNELL
county of <u>Tarrant</u> ) ss.	
M. MACDONNELL, <sup>0</sup> who executed the	fore me personally came the above-named Frederick foregoing Assignment in my presence, and who nder that person's own free will for the purposes set
BARBARA J SMITH My Commission Expires	Earbara & Smith
October 16, 2015	Notary Public for 1/ State of Texas
[SEAL]	My commission expires: 10-16-2015
IN TESTIMONY WHEREOF, Assignors ha	ve signed their names on the dates indicated.
Dated:	
STATE OF)	Richard E. BILLO
) ss.	
This day of 20, 1 E. BILLO, who executed the foregoing Ass	before me personally came the above-named Richard signment in my presence, and who acknowledged to own free will for the purposes set forth therein.
This day of 20, 1 E. BILLO, who executed the foregoing Ass	signment in my presence, and who acknowledged to own free will for the purposes set forth therein.
This day of 20, 1 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o	signment in my presence, and who acknowledged to own free will for the purposes set forth therein. Notary Public for
This day of 20, 1 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o	signment in my presence, and who acknowledged to own free will for the purposes set forth therein.
This day of 20, 1 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o	signment in my presence, and who acknowledged to own free will for the purposes set forth therein. Notary Public for
This day of 20, 1 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o	signment in my presence, and who acknowledged to own free will for the purposes set forth therein. Notary Public for
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This day of 20, 1 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o	signment in my presence, and who acknowledged to own free will for the purposes set forth therein. Notary Public for
This day of 20_, 4 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o [SEAL]	signment in my presence, and who acknowledged to own free will for the purposes set forth therein. Notary Public for
This day of 20_, 4 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o [SEAL]	signment in my presence, and who acknowledged to own free will for the purposes set forth therein.
This day of 20_, 4 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o [SEAL]	signment in my presence, and who acknowledged to own free will for the purposes set forth therein.
This day of 20, 1 E. BILLO, who executed the foregoing Ass me that it was executed under that person's o [SEAL] IN TESTIMONY WHEREOF, Assignors ha	signment in my presence, and who acknowledged to own free will for the purposes set forth therein.

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PATENT REEL: 037946 FRAME: 0481

UTA Tech. ID No. 10-24	Docket No. UTSL.P0074.P3
Dated:	
STATE OF)	Frederick M. MACDONNELL
) ss. COUNTY OF)	
M. MACDONNELL, who executed the	before me personally came the above-named Frederick foregoing Assignment in my presence, and who under that person's own free will for the purposes set
	Notary Public for
[SEAL]	My commission expires:
IN TESTIMONY WHEREOF, Assignors f Dated: $S 2 2 3$ STATE OF $T E + A 5$ ) ss. COUNTY OF $T 4 2 3 4$	nave signed their names on the dates indicated. <u>Richard E. BILLO</u>
E. BILLO, who executed the foregoing A:	before me personally came the above-named Richard ssignment in my presence, and who acknowledged to own free will for the purposes set forth therein. $\underbrace{KULN(l, VLM)}_{Notary Public for \_UTA}$
[SEA	My commission expires: 6/22/2016
<u>, , , , , , , , , , , , , , , , , , , </u>	
IN TESTIMONY WHEREOF, Assignors I	nave signed their names on the dates indicated.

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Page 3 of 4

#284 v

UTA Tech. ID No. 10-24		Docket No. UTSL.P0074.P3
Dated: 5/29/13	<u></u>	John W Prust
STATE OF COLORADO	_)	John W. PRIEST
COUNTY OF TELLER	) ss. )	

This 29" day of MAY 2013, before me personally came the above-named John W. PRIEST, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

DYLAN R. MCCLINTOCK NOTARY PUBLIC STATE OF COLORADO

Notary Public for UPS STORE 1374. WOODLAND PARK

My commission expires: g/24/13

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