PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT4441186

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW T. PRETZ	10/29/2015
FERMIN A. SANDOVAL	10/29/2015
LIWEI LI	11/16/2015

RECEIVING PARTY DATA

Name:	DOW GLOBAL TECHNOLOGIES LLC	
Street Address:	2040 DOW CENTER	
City:	MIDLAND	
State/Country:	MICHIGAN	
Postal Code:	48674	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14868507

CORRESPONDENCE DATA

Fax Number: (937)449-6405

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.

Phone: 937/449-6400

Email: theresa.oldfield@dinsmore.com
Correspondent Name: DINSMORE & SHOHL LLP

Address Line 1: FIFTH THIRD CENTER, ONE S. MAIN STREET

Address Line 2: SUITE 1300

Address Line 4: DAYTON, OHIO 45402

ATTORNEY DOCKET NUMBER:	DOW 77770 PA/40224-793	
NAME OF SUBMITTER:	THERESA OLDFIELD	
SIGNATURE:	/Theresa Oldfield/	
DATE SIGNED:	06/02/2017	

Total Attachments: 4

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PATENT 504394489 REEL: 042571 FRAME: 0357

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●660 ● 660

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number. FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES LLC

2040 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT which is dated: October 29, 2015, October 29, 2015 and November 16, 2015; effective as of September 29, 2015

From, the ASSIGNOR: Matthew T. Pretz, 2301 N. Brazosport Blvd., Freeport, Texas 77541, United States of America; Fermin A. Sandoval, 1254 Enclave Parkway, Houston, Texas 77077, United States of America; and Liwei Li, 2301 N. Brazosporg Blvd., Freeport, Texas 77541, United States of America

of the invention entitled:

FLUIDIZED FUEL GAS COMBUSTOR SYSTEM FOR A CATALYTIC DEHYDROGENATION PROCESS

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA
this <u>6</u> day of <u>January</u> , 20 16
DOW GLOBAL TECHNOLOGIES LLC
CORP. SEAL By: Juse M Zeul
SUSAN M. ZERULL Authorized Representative
NOTARIAL CERTIFICATE
UNITED STATES OF AMERICA)
STATE OF MICHIGAN SS
County/Parish of Midland)
On this 6 day of January, 20 6, personally appeared
before me, SUSAN M. ZERULL, Authorized Representative,
known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said entity organized and existing under the laws of the State of Delaware, United States of America.
I further certify that said authority, dated June 1, 2014, is based on
A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is

granted are within the scope of the objects or activities of said entity.

SEAL

NOTARY PUBLIC

Kathy Sue Wertz

NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES APRIL 07, 2018

FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: FLUIDIZED FUEL GAS COMBUSTOR SYSTEM FOR A CATALYTIC DEHYDROGENATION PROCESS

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC 2040 Dow Center Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the state of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority N	lumber	Filing Date	Filing Country
14/868	,507 Sep	tember 29, 2015	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Freeport, Texas 77541, USA	At: Houston, Texas 77077, USA
this 29 day of October ,20 15	this day of , 20
Effective as of September 29, 2015	Effective as of September 29, 2015
Signature: Mouther J. Porty	Signature:
Full Name: Matthew T. Pretz	Full Name: Fermin A. Sandoval
Mailing Address: 2301 N. Brazosport Blvd.	Mailing Address: 1254 Enclave Parkway
Freeport, Texas 77541	Houston, Texas 77077
United States of America	United States of America
At: Freeport, Texas 77541, USA	At:
this day of, 20	this day of , 20
Effective as of September 29, 2015	
Signature:	Signature:
Full Name: Liwei Li	Full Name:
Mailing Address: 2301 N. Brazosporg Blvd.	Mailing Address:
Freeport, Texas 77541	
United States of America	

FORM 110 (R 5/97)

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(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: FLUIDIZED FUEL GAS COMBUSTOR SYSTEM FOR A CATALYTIC DEHYDROGENATION **PROCESS**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC

2040 Dow Center Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)), and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
14/868,507	September 29, 2015	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Freeport, Texas 77541, USA	At: Houston, Texas 77077, USA
this day of , 20	this 29 day of OCTOBER , 20 15
Effective as of September 29, 2015	Effective as of September 29, 2015
Signature:	Signature:
Full Name: Matthew T. Pretz	Full Name: Fermin A. Sandoval
Mailing Address: 2301 N. Brazosport Blvd.	Mailing Address: 1254 Enclave Parkway
Freeport, Texas 77541	Houston, Texas 77077
United States of America	United States of America
At: Freeport, Texas 77541, USA	At:
this, 20	this, 20
Effective as of September 29, 2015	
-	
Signature:	Signature:
Full Name: Liwei Li	Full Name:
Mailing Address: 2301 N. Brazosporg Blvd.	Mailing Address:
Freeport, Texas 77541	
United States of America	

FORM 110 (R 5/97)

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(with Priority Rights)

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which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC 2040 Dow Center

Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

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Subscribed and Declared by me/us:

At: Freeport, Texas 77541, USA	At: Houston, Texas 77077, USA
this day of , 20	this day of .20
Effective as of September 29, 2015	Effective as of September 29, 2015
Signature:	Signature:
Full Name: Matthew T. Pretz	Full Name: Fermin A. Sandoval
Mailing Address: 2301 N. Brazosport Blvd.	Mailing Address: 1254 Enclave Parkway
Freeport, Texas 77541	Houston, Texas 77077
United States of America	United States of America
At: Freeport, Texas 77541, USA	At:
this 16th day of Nacember , 20 15 Effective as of September 29, 2015	this day of, 20
Signature: Line Li	Signature:
Full Name: Liwei Li	Full Name:
Mailing Address: 2301 N. Brazosporg Blvd.	Mailing Address:
Freeport, Texas 77541	_
United States of America	

PATENT REEL: 042571 FRAME: 0362

RECORDED: 06/02/2017