

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT7052611

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDRZEJ MALEK	03/23/2018
EDWARD M. CALVERLEY	03/21/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DOW GLOBAL TECHNOLOGIES LLC
<b>Street Address:</b>	2211 H.H. DOW WAY
<b>City:</b>	MIDLAND
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48674
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17532472
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(937)449-6405
<i>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.</i>	
<b>Phone:</b>	937/449-6400
<b>Email:</b>	daytonipdocket@dinsmore.com
<b>Correspondent Name:</b>	DINSMORE & SHOHL LLP
<b>Address Line 1:</b>	FIFTH THIRD CENTER, ONE SOUTH MAIN STREET
<b>Address Line 2:</b>	SUITE 1300
<b>Address Line 4:</b>	DAYTON, OHIO 45402
<b>ATTORNEY DOCKET NUMBER:</b>	81592-US-PCD/DOW 81592 VA
<b>NAME OF SUBMITTER:</b>	SUSAN COLE
<b>SIGNATURE:</b>	/Susan Cole/
<b>DATE SIGNED:</b>	12/02/2021
<b>Total Attachments: 4</b>	
source=Assign_Inv_to_DGTL#page1.tif	
source=Assign_Inv_to_DGTL#page2.tif	
source=Assign_Inv_to_DGTL#page3.tif	
source=Assign_Inv_to_DGTL#page4.tif	

**TRUE COPY**

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared. The original document(s) contains the authentic signature(s) from the inventor(s).

at Lake Jackson, Texas 77566 USA

this 28<sup>th</sup> day of May 20 20

Jenna Boyd  
Jenna Boyd  
Office Professional  
THE DOW CHEMICAL COMPANY

**NOTARIAL CERTIFICATE**

UNITED STATES OF AMERICA )  
STATE OF TEXAS ) SS  
County/Parish of Brazoria )

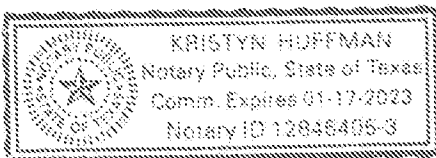
On this 28<sup>th</sup> day of May 20 20, personally appeared before me,

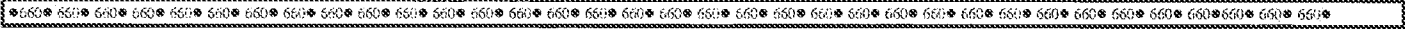
Jenna Boyd

known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

Kristyn Huffman  
Notary Public





# 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: March 23, 2018 and March 21, 2018

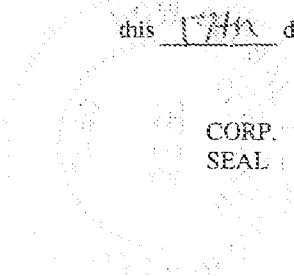
From, the ASSIGNORS: Andrzej Malek, at 1776 Building, Washington Street, Midland, Michigan 48674, United States of America and Edward M. Calverley, at 1776 Building, Washington Street, Midland, Michigan 48674, United States of America

of the invention entitled:

**CATALYST FOR CONVERTING CARBON-CONTAINING STREAM TO C2 TO C5 PARAFFINS AND METHOD USING THE CATALYST**

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 17th day of April, 20 18



CORP.  
SEAL

**DOW GLOBAL TECHNOLOGIES LLC**

By: Susan M Zerull  
**SUSAN M ZERULL**  
Authorized Representative

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.

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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: **CATALYST FOR CONVERTING CARBON-CONTAINING STREAM TO C2 TO C5 PARAFFINS AND METHOD USING THE CATALYST**

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
62/635,831	February 27, 2018	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: <u>Midland, Michigan 48674, USA</u>
this <u>23</u> day of <u>March</u> , 20 <u>18</u>
Effective as of February 27, 2018
Signature: <u><i>Andrzej Malek</i></u>
Full Name: <u>Andrzej Malek</u>
Mailing Address: <u>1776 Building, Washington Street</u> <u>Midland, Michigan 48674</u> <u>United States of America</u>

At: <u>Midland, Michigan 48674, USA</u>
this _____ day of _____, 20_____
Effective as of February 27, 2018
Signature: _____
Full Name: <u>Edward M. Calverley</u>
Mailing Address: <u>1776 Building, Washington Street</u> <u>Midland, Michigan 48674</u> <u>United States of America</u>

At: _____
this _____ day of _____, 20_____
Signature: _____
Full Name: _____
Mailing Address: _____

At: _____
this _____ day of _____, 20_____
Signature: _____
Full Name: _____
Mailing Address: _____

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date

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FORM 110 (R 5/97)

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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: **CATALYST FOR CONVERTING CARBON-CONTAINING STREAM TO C2 TO C5 PARAFFINS AND METHOD USING THE CATALYST**

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
62/635,831	February 27, 2018	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: <u>Midland, Michigan 48674, USA</u> this _____ day of _____, 20____ Effective as of February 27, 2018  Signature: _____ Full Name: <u>Andrzej Malek</u> Mailing Address: <u>1776 Building, Washington Street</u> <u>Midland, Michigan 48674</u> <u>United States of America</u>
---

At: <u>Midland, Michigan 48674, USA</u> this <u>21</u> day of <u>March</u> , 20 <u>18</u> Effective as of February 27, 2018  Signature: <u><i>EM Calverley</i></u> Full Name: <u>Edward M. Calverley</u> Mailing Address: <u>1776 Building, Washington Street</u> <u>Midland, Michigan 48674</u> <u>United States of America</u>
--

At: _____ this _____ day of _____, 20____  Signature: _____ Full Name: _____ Mailing Address: _____
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At: _____ this _____ day of _____, 20____  Signature: _____ Full Name: _____ Mailing Address: _____
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