

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5602840

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE previously recorded on Reel 049590 Frame 0337. Assignor(s) hereby confirms the ASSIGNEE: DOW GLOBAL TECHNOLOGIES LLC.

**CONVEYING PARTY DATA**

Name	Execution Date
ROSS E. DUGAS	11/06/2018
ZUBIN B. KUVADIA	11/06/2018
PRESHIT DANDEKAR	11/16/2018

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16451821

**CORRESPONDENCE DATA**

**Fax Number:** (651)351-2954  
*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.*

**Email:** jbarnes@kaganbinder.com  
**Correspondent Name:** KAGAN BINDER PLLC  
**Address Line 1:** 221 MAIN STREET NORTH  
**Address Line 2:** SUITE 200  
**Address Line 4:** STILLWATER, MINNESOTA 55082

<b>ATTORNEY DOCKET NUMBER:</b>	81538-US-NP (DOW0093US)
<b>NAME OF SUBMITTER:</b>	JENNIFER BARNES
<b>SIGNATURE:</b>	/Jennifer Barnes/
<b>DATE SIGNED:</b>	07/03/2019

**Total Attachments: 4**

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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 27, 2019

PTAS

KAGAN BINDER PLLC  
221 MAIN STREET NORTH  
SUITE 200  
STILLWATER, MN 55082

# 505544417

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/26/2019

REEL/FRAME: 049590/0337  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 81538-US-NP (DOW0093US)

ASSIGNOR:

DUGAS, ROSS E.

DOC DATE: 11/06/2018

ASSIGNOR:

KUVADIA, ZUBIN B.

DOC DATE: 11/06/2018

ASSIGNOR:

DANDEKAR, PRESHIT

DOC DATE: 11/16/2018

ASSIGNEE:

DOW GLOBAL TECHNOLOGIES INC.  
2040 DOW CENTER  
MIDLAND, MICHIGAN 48674

APPLICATION NUMBER: 16451821

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: METHODS AND SYSTEMS TO SEPARATE HYDROCARBON MIXTURES SUCH AS  
NATURAL GAS INTO LIGHT AND HEAVY COMPONENTS

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

This Assignment, if it is the USPTO 2011 language and has the above reciting its name language with the same 120 number and 81533  
 This Assignment, if it is the USPTO 2011 language and has the above reciting its name language with the same 120 number and 81533  
 FORM 110 (8-1973)

## INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verify 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: **METHODS AND SYSTEMS TO SEPARATE HYDROCARBON MIXTURES SUCH AS NATURAL GAS INTO LIGHT AND HEAVY COMPONENTS**

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  
 3840 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 designees), 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

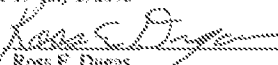
Priority Number	Filing Date	Filing Country
632693.091	July 2, 2018	United States of America

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 documents relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

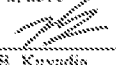
I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recording of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power 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: Lake Jackson, Texas, USA  
 this 6<sup>th</sup> day of November, 2018  
 Effective as of July 2, 2018

Signature:   
 Full Name: Ross E. Dugas  
 Mailing Address: 230 Abner Jackson Pkwy  
 Lake Jackson, Texas 77566  
 United States of America

At: Lake Jackson, TX  
 this 6<sup>th</sup> day of November, 2018  
 Effective as of July 2, 2018

Signature:   
 Full Name: Zubin B. Kuvadin  
 Mailing Address: 230 Abner Jackson Pkwy  
 Lake Jackson, Texas 77566  
 United States of America

At: \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
 Effective as of July 2, 2018

Signature: \_\_\_\_\_  
 Full Name: Preshit Dandekar  
 Mailing Address: 6520 13rd Ave NE #203  
 Seattle, Washington 98115  
 United States of America

At: \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Signature: \_\_\_\_\_  
 Full Name: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_

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 Article

FORM 110 (R 5/97)

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

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: **METHODS AND SYSTEMS TO SEPARATE HYDROCARBON MIXTURES SUCH AS NATURAL GAS INTO LIGHT AND HEAVY COMPONENTS**

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  
2640 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
62693,091	July 2, 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 recording 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: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of July 2, 2018

Signature: \_\_\_\_\_  
Full Name: Ross E. Dugas  
Mailing Address: 230 Abner Jackson Pkwy  
Lake Jackson, Texas 77566  
United States of America

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of July 2, 2018

Signature: \_\_\_\_\_  
Full Name: Zubin B. Kuvadia  
Mailing Address: 230 Abner Jackson Pkwy  
Lake Jackson, Texas 77566  
United States of America

At: SEATTLE WA  
this 16 day of NOVEMBER, 20 18  
Effective as of July 2, 2018

Signature: *P. Dandekar*  
Full Name: Preshit Dandekar  
Mailing Address: 6520 23rd Ave NE #203  
Seattle, Washington 98115  
United States of America

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of July 2, 2018

Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of July 2, 2018

Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
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Effective as of July 2, 2018

Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
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