505019087 07/25/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5065835

	:	NEW ASSIGNMENT	
NATURE OF CONVE	YANCE:	ASSIGNMENT	
CONVEYING PART	Υ DATA		
		Name	Execution Date
JOHN G. PENDERGAST JR.		02/05/2015	
JACINTO LOPEZ-T	OLEDO		04/06/2015
WILLIAM G. WORLI	EY		02/11/2015
STACY W. HOY IV			02/09/2015
JACOB M. CROSTH	IWAITE		02/10/2015
Street Address:		100 INDEPENDENCE MALL WEST PHILADELPHIA PENNSYLVANIA	
City: State/Country:	PENN	SYLVANIA	
-	PENN 19106		
State/Country:	19106		
State/Country: Postal Code:	19106 ERS Total:		

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: 989-636-8434

	303-030-0434
Email:	mcampos2@dow.com
Correspondent Name:	DOW GLOBAL TECHNOLOGIES LLC
Address Line 1:	C/O THE DOW CHEMICAL COMPANY
Address Line 2:	2040 DOW CENTER
Address Line 4:	MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	77078-US-PCT
NAME OF SUBMITTER:	EDWARD L. BRANT
SIGNATURE:	/Edward L. Brant/
DATE SIGNED:	07/25/2018
Total Attachments: 10	

Total Attachments: TU

source=77078 Assignment DGTL#page1.tif source=77078 Assignment DGTL#page2.tif source=77078 Assignment DGTL#page3.tif source=77078 Assignment DGTL#page4.tif source=77078 Assignment RH Co#page1.tif source=77078 Declaration#page1.tif source=77078 Declaration#page2.tif source=77078 Declaration#page3.tif source=77078 Declaration#page4.tif source=77078 Declaration#page4.tif

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: SEPARATION 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

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
62/073,406	October 31, 2014	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.

At: Freeport Texes this day of Februeary, ²⁰ 15 Effective as of October 31, 2014 Signature: John G. Pendergast Jr. Mailing Address: 13808 Lakewater Drive Pearland, Texas 77584	At:
Country: United States of America At: this	Country: United States of America At:

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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Dow Global Technologies LLC 2040 Dow Center Midland, Michigan 48674

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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At:	At: <u>LAKE JACKSON, TX</u> this <u>6th</u> day of <u>APEL</u> , 20 <u>15</u> Effective as of October 31, 2014 Signature: Full Name: Jacinto Lopez-Toletid Mailing Address: 54 Sago Court Lake Jackson, Texas 77566
Country: United States of America At:	At: 20
this day of, 20 Effective as of October 31, 2014 Signature: Full Name: William G. Worley Mailing Address: 3911 Travis Court Missouri City, Texas 77459 Country: United States of America	this day of, 20 Effective as of October 31, 2014 Signature: Full Name: Jacob M. Crosthwaite Mailing Address: 4804 Foster Road Midland, Michigan 48642 Country: United States of America

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At:	At:
this day of, 20	this day of 20
Effective as of October 31, 2014	Effective as of October 31, 2014
Signature:	Signature:
Full Name: John G. Pendergast Jr,	Full Name: Jacinto Lopez-Toledo
Mailing Address: 13808 Lakewater Drive	Mailing Address: 54 Sago Court
Pearland, Texas 77584 Country: United States of America	Lake Jackson, Texas 77566 Country: United States of America
At: Deer Park, TX	At:
this 11th day of February . 2015 Effective as of October 31, 2014	file day of , 20 Effective as of October 31, 2014
ALL SALA	
Signature: N/W///////////////////////////////////	Signature:
Full Name: William G. Worley Mailing Address: 3911 Travis Court	Full Name: Jacob M. Crosthwaite Mailing Address: 4804 Foster Road
Missouri City, Texas 77459	Midland, Michigan 48642
Country: United States of America	Country: United States of America

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Dow Global Technologies LLC 2040 Dow Center Midland, Michigan 48674

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At:	At:
this day of , 20	this day of , 20
Effective as of October 31, 2014	Effective as of October 31, 2014
Signature:	Signature:
Full Name: John G. Pendergast Jr.	Full Name: Jacinto Lopez-Toledo
Mailing Address: 13808 Lakewater Drive	Mailing Address: 54 Sago Court
Pearland, Texas 77584	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
At:	At: <u>Midland</u> , MI this <u>10th</u> day of <u>February</u> , 20 <u>15</u>
Effective as of October 31, 2014	Effective as of October 31, 2014
Signature:	Signature: March M. UMMaha
Full Name: William G. Worley	Full Name: Jacob M. Crosthwaite
Mailing Address: 3911 Travis Court	Mailing Address: 4804 Foster Road
Missouri City, Texas 77459	Midland, Michigan 48642
Country: United States of America	Country: United States of America

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Rohm and Haas Company 100 Independence Mall West Philadelphila, Pennsylvania 19106

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 nonlinee(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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At: Deser Poorte, TX this 9 th day of February, 20 15	At:	
this day of Falsmann, 20 S	this day of	,20
Effective as of October 31, 2014 -		
Signature: StaU.N.T.		
Signature: X MA W. 3 VI LK	Signature:	
Full Name: Stacy W. Hoy IV	Full Name:	
Mailing Address: 5843 Petty Street, Apartment B	Mailing Address:	
Houston, Texas. 77007 Country: United States of America	Constant	
Country Onned States of America	Country	
k	**************************************	
At:	At:	
At:	At:	, 20
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this, 20, 20, Signature: Full Name: Mailing Address:	this day of Signature: Full Name: Mailing Address:	, 20
this, 20	this day of Signature: Full Name: Mailing Address:	, 20

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)	
Title of Invention	SEPARATION PROCESS
As the below named inventor, I hereby declare that:	
This declaration is directed to:	The attached application, or Image: Constraint of the attached application, or Image: Constraint of the attached applicattached appli
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.	
	WARNING:
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information is available to the public after publication of the uSPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.	
LEGAL NAM	E OF INVENTOR
Inventor: John G. Pendergast Jr. Date (Optional): February 5,2015 Signature: Jaluary Fundance Ja	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.	

PATENT REEL: 046453 FRAME: 0815

PTO/AIA/01 (06-12) Approved for use through 01/31/2014. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)		
Title of Invention	SEPARATION PROCESS	
As the below r	As the below named inventor, I hereby declare that:	
This declaration The attached application, or is directed to: X United States application or PCT international application number 62/073,406 filed on 10/31/2014		
The above-ide	entified application was made or authorized to be made by me.	
l believe that l	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.		
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LEGAL NAM	LEGAL NAME OF INVENTOR	
Inventor:Jacinto Lopez-Toledo Date (Optional) :		
Y Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.		

Sheet 2 of 5

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control numbe DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)		
Title of Invention	SEPARATION PROCESS	
As the below i	As the below named inventor, I hereby declare that:	
This declaration is directed to:	The attached application, or X United States application or PCT international application number 62/073,406 filed on 10/31/2014 .	
The above-ide	ntified 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.	
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LEGAL NAME OF INVENTOR		
Inventor: _	William G. Worley Date (Optional) : 2/9/15	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.		

Sheet 3 of 5

PATENT REEL: 046453 FRAME: 0817

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LEGAL NAME	OF INVENTOR	
Inventor:	Jacob M. Crosthwaite Date (Optional): Feb. 10, 2015	
Note: An application must have been p	on data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or reviously filed. Use an additional PTO/AIA/01 form for each additional inventor.	

Sheet 5 of 5

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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.
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LEGAL NAM	IE OF INVENTOR
Inventor:	Stacy W. Hoy IV Date (Optional) : 2/9/15
Signature:	Style A. W. T.
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77078

Sheet 4 of 5

PATENT REEL: 046453 FRAME: 0819

RECORDED: 07/25/2018