11/22/2021 506990731

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT7037570

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IAN M. MUNRO	11/09/2018
WESLEY R. MARIOTT	11/09/2018
NITIN BORSE	11/07/2018
MICHAEL D. AWE	05/21/2019
PHUONG A CAO	11/15/2018

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:	15734615	

CORRESPONDENCE DATA

Fax Number: (989)636-3237

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: 989-636-2884

Email: FGLMFRR@dow.com

DANNY CHILDS Correspondent Name:

2211 H.H. DOW WAY Address Line 1:

Address Line 2: SSC-1338

Address Line 4: MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	81969-US-PCT
NAME OF SUBMITTER:	DANNY CHILDS
SIGNATURE:	/Danny Childs/
DATE SIGNED:	11/22/2021
	1

Total Attachments: 6

PATENT REEL: 058184 FRAME: 0205

506990731



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: November 9, 2018; November 9, 2018; November 7, 2018; May 21, 2019; and November 15, 2018, respectively

From, the ASSIGNORS: Ian M. Munro, 230 Abner Jackson Pkwy, Freeport, Texas 77566, United States of America; Wesley R. Mariott 230 Abner Jackson Pkwy, Lake Jackson, Texas 77566, United States of America; Nitin Borse, 230 Abner Jackson Parkway, Lake Jackson, Texas 77566, United States of America; Michael D. Awe, 65 Backeland Avenue, Middlesex, New Jersey 08846, United States of America; and Phuong A. Cao, 65 Backeland Avenue, Middlesex, New Jersey 08846, United States of America

of the invention entitled:

SPRAY-DRIED ZIEGLER-NATTA (PRO)CATALYST SYSTEMS

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, Michi	gan 48674, USA
this 13 ^k	day of Legg	, 20 <u>[]</u>
CORI		DOW GLOBAL TECHNOLOGIES LLC By: Description
	\	STEVEN W. MORK Authorized Representative

This Assignment 180 is in the FMA ISM language and has the some meaning in other barganges with the score 110 number and RM.

FORM 110 (8.597)

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 emitted: SPRAY-DRIED ZIEGLER-NATTA (PRO)CATALYST SYSTEMS

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, luternational 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
- 1	62/684,343	June 13, 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:

······································	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
N: ZAKE GARKERY JZ	M. LAFE JACKSON TX CLIA
thus by day of 1/2/07/10/14 , 20 1/3/	this 9th day of November 2018
Effective as of June 13, 2018	Effective as of June 13, 2018
Signature 2 / (UA)	Signature:
Full Name: Ian M. Munro	Full Name: Wesley R. Marion
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 230 Abner Jackson Pkwy
Freepon, Texas 77566	Lake Jackson, Texas 77566
United States of America	United States of America
Ar.	
this day of , 20	this day of
Effective as of June 13, 2018	Effective as of June 13, 2018
Signature:	Signature:
Full Name: Nitin Borse	Full Name: Michael D. Awe
Mailing Address: 230 Abner Jackson Parkway	Mailing Address: 65 Backeland Avenue
Lake Jackson, Texas 77566	Middlesex, New Jersey 08846
United States of America	United States of America
At:	IAI:
2016	this day of 20
Effective as of June 13, 2018	
Signature:	Signature:
Full Name: Phuong A. Cao	Full Name:
Mailing Address: 65 Backeland Avenue	Mailing Address
Middlesex, New Jersey 08846	
United States of America	
Office States of Affectica	

FORM 110 (8 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: SPRAY-DRIED ZIEGLER-NATTA (PRO)CATALYST SYSTEMS

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 Dais, and Filing Country

٠.			
- 1	Pricerity Magainer	Filipp Date	Filing Country
- 3	a trout se a correct a contract a	1 2333 E 27410	7.1116.7.255111
- 1	67/694 343	lune 13 2618	United States of America
- : 3	0W 00 750 700	1	CHIPPEN CHIPPEN ON A STRUCTUM

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:

AK	Ato
this day of	this day of , 20 Effective as of June 13, 2018
Effective as of June 13, 2018	Effective as of June 13, 2018
Signature:	Signature:
fruii (Name: 120 M. Munio)	Full Name: Wesley R. Manoft
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 230 Abner Jackson Pkwy
Freeport, Texas 77566	Lake Jackson, Texas 77566
United States of America	United States of America
AL Lake Jackson	AC day of 20
this 7 day of Northwest 2018	this day of .20
Effective as of June 13, 2018	Effective as of June 13, 2018
Signature:	Signature:
Full Name: Nitin Borse	Full Name: Michael D. Awe
Mailing Address: 230 Abner Jackson Parkway	Mailing Address: 65 Backeland Avenue
Lake Jackson, Texas 77566	Middlesex, New Jersey 08846
United States of America	United States of America
IAE:	1-12
	At: this day of , 20
this day of , 20	thix day of, 20
essective as in sume 13, 2016	
Signature:	Signature:
Full Name: Phuong A. Cao	Full Name:
Mailing Address: 65 Backeland Avenue	Mailing Address:
Middlesex, New Jersey 08846	
United States of America	

This Assignment HO is in the ENR BH begans and less the some receives brights beinginges with the some 100 minutes and 840 sec.

this Assignment 110 is in the 1880 (XII) coprepayed the the earner news by a other languages with the come i Winnelse was it (New

FORM 110 (8.587)

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: SPRAY-DRIED ZIEGLER-NATTA (PRO)CATALYST SYSTEMS

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 rem invention received for my/our work, I/we self, assign and transfer into:

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 Priorky Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country	š
62/684.343	June 13, 2018	United States of America	š

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. If 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 coverant 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 here to fore given.

Subscribed and Declared by me/us:

AC:	At
this day of , 20	this day of , 20
Effective as of June 13, 2018	Effective as of June 13, 2018
Signature:	Signature
Full Name: Ian M. Munro	Full Name: Wesley R. Mariott
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 230 Abner Jackson Pkwy
Freeport, Texas 77566	Lake Jackson, Texas 77566
United States of America	United States of America
far:	At:
this day of, 20	this day of 20
Effective as of June 13, 2018	Effective as of June 13, 2018
Signature:	Signature:
Full Name: Nitin Borse	Full Name: Michael D. Awa
Mailing Address: 230 Abner Jackson Parkway	Mailing Address: 65 Backeland Avenue
Lake Jackson, Texas 77566	Middlesex, New Jersey 08846
United States of America	United States of America
<u></u>	
At: New York this 15 day of November , 2018	At:
	At: this day of, 20
Effective as of June 13, 2018	
Signature: 10145 Vg (de.) Full Name: Physical A. Can	Signature:
Full Name: Phuony A. Cao	Full Name
Mailing Address: 65 Backeland Avenue	Mailing Address:
Middlesex, New Jersey 08846	
United States of America	

Document Description: Oath or declaration filed

PTO/AIA/02 (67-13)
Approved for use through 11/30/2020, DMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
o a collection of infromation unless a structure.

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.

SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	SPRAY-DRIED ZIEGLER-NATTA (PRO)CATALYST SYSTEMS				
This statement is directed to: The attached application, OR United States application or PCT international application number LEGAL NAME of inventor to whom this substitute statement applies: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Michael D. Awe Residence (except for a deceased or legally incapacitated inventor): City Middlesex State Country Country Country Mailing Address (except for a deceased or legally incapacitated inventor): 65 Baekeland Avenue					
	dlesex	NJ State	Zii	08846	Country US
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application. The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.					
Relationship to the inventor to whom this substitute statement applies: Legal Representative (for deceased or legally incapacitated inventor only). Assignee, Person to whom the inventor is under an obligation to assign, Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or Joint Inventor.					

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commence, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 11/39/2020. OMB 6651-6032

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.

SUBSTITUTE STATEMENT

[Page 2 of 2]