503645322 01/12/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3691957

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEAN W. EWART	05/20/2013
TERESA P. KARJALA	05/20/2013
MICHAEL J. ZOGG JR.	05/20/2013
SARAT MUNJAL	05/20/2013

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:	14404876

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US N

Phone: 989-636-7934
Email: kswertz@dow.com
Correspondent Name: KATHY WERTZ
Address Line 1: 2040 DOW CENTER

Address Line 4: MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	72813-US-PCT
NAME OF SUBMITTER:	KATHY WERTZ
SIGNATURE:	/Kathy Wertz/
DATE SIGNED:	01/12/2016

Total Attachments: 5

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ssignment 110 is in the ENGLISH language and has the same mensing in other languages with the name [10 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: FREE-RADICAL PROCESSES TO MAKE ETHYLENE-BASED POLYMERS USING ALKLYATED PHENOLS

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

Midland, Michigan 48674
United States of America
a limited liability company organized and existing under the laws 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
PCT/US2013/029875	March 8, 2013	PCT (International)

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: Freeport, Texas 77541 USA
this 30th day of May, 20 13	this day of, 20
Effective as of March 8, 2013	Effective as of March 8, 2013
0. 110 +	
Signature: Sean W Ewart	Signature:
Full Name: Sean W. Ewart	Full Name: Teresa P. Karjala
Residence: 3015 Chance Court	Residence: 56 Mandevilla Court
Pearland, Texas 77584	Lake Jackson, Texas 77566
	Court I Thind States of America
Country: United States of America	Country: United States of America Citizenship: United States of America
Citizenship: Canada	P.O. Address: Same as Residence
P.O. Address: Same as Residence	Employed By: The Dow Chemical Company
Employed By: The Dow Chemical Company	
Of Country: United States of America	Of Country: United States of America
At: Freeport, Texas 77541 USA	At: Freeport, Texas 77541 USA
this day of , 20	this day of , 20
Effective as of March 8, 2013	Effective as of March 8, 2013
Signature:	Signature:
Full Name: Michael J. Zogg, Jr.	Full Name: Sarat Munjal
Residence: 1518 Blodgett Street	Residence: 106 Thyme Trail
Houston, Texas 77004	Lake Jackson, Texas 77566
Country Thirty States of America	Country:
Country: United States of America	Citizenship: United States of America
Citizenship: United States of America	P.O. Address: Same as Residence
P.O. Address: Same as Residence	
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America

at 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/D

Freeport, Texas 77541 USA

day of Effective as of March 8, 2013

Employed By: The Dow Chemical Company

Of Country: United States of America

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

a limited liability company organized and existing under the laws 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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Freeport, Texas 77541 USA

this 20th day of May Effective as of March 8 2013

Employed By: The Dow Chemical Company

Of Country: United States of America

Subscribed and Declared by me/us:

this

Signature:	Signature:
Full Name: Sean W. Ewart	Full Name: Teresa P. Karjala
Residence: 3015 Chance Court	Residence: 56 Mandevilla Court
Pearland, Texas 77584	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: Canada	Citizenship: United States of America
P.O. Address: Same as Residence	P.O. Address: Same as Residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At: Freeport, Texas 77541 USA	At: Freeport, Texas 77541 USA
this, 20,	this, 20
Effective as of March 8, 2013	Effective as of March 8, 2013
Signature:	Signature:
Full Name: Michael J. Zogg, Jr.	Full Name: Sarat Munjal
Residence: 1518 Blodgett Street	Residence: 106 Thyme Trail
Houston, Texas 77004	Lake Jackson, Texas 77566
Country: United States of America	Country:
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as Residence	DO Address: Same as Residence

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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

a limited liability company organized and existing under the laws 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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PCT/US2013/029875	March 8, 2013	PCT (International)

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Subscribed and Declared by me/us:

At: Freeport, Texas 77541 USA	At: Freeport, Texas 77541 USA
this day of , 20	this day of , 20
Effective as of March 8, 2013	Effective as of March 8, 2013
Signature:	Signature:
Full Name: Sean W. Ewart	Full Name: Teresa P. Karjala
Residence: 3015 Chance Court	Residence: 56 Mandevilla Court
Pearland, Texas 77584	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: Canada	Citizenship: United States of America
P.O. Address: Same as Residence	P.O. Address: Same as Residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At: Freeport, Texas 77541 USA	At: Freeport, Texas 77541 USA
this 20 day of VNaV ,20 13	this day of ,20
Effective as of March 8, 2013	Effective as of March 8, 2013
Signature: Till J. Jogs. h	 Signature:
- G	
Full Name: Michael J. Zogg, Jr.	I Full Name: Sarat Munial
Full Name: Michael J. Zogg, Jr. Residence: 1518 Blodgett Street	Full Name: Sarat Munjal Residence: 106 Thyme Trail
Full Name: Michael J. Zogg, Jr. Residence: 1518 Blodgett Street Houston, Texas 77004	Full Name: Sarat Munjal Residence: 106 Thyme Trail Lake Jackson, Texas 77566
Residence: 1518 Blodgett Street Houston, Texas 77004	Residence: 106 Thyme Trail Lake Jackson, Texas 77566
Residence: 1518 Blodgett Street Houston, Texas 77004 Country: United States of America	Residence: 106 Thyme Trail Lake Jackson, Texas 77566 Country:
Residence: 1518 Blodgett Street Houston, Texas 77004	Residence: 106 Thyme Trail Lake Jackson, Texas 77566
Residence: 1518 Blodgett Street Houston, Texas 77004 Country: United States of America Citizenship: United States of America	Residence: 106 Thyme Trail Lake Jackson, Texas 77566 Country: Citizenship: United States of America

Freeport, Texas 77541 USA

FORM 110 (R 5/97)

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At:

Freeport, Texas 77541 USA

,2013

Subscribed and Declared by me/us:

	this 2a day of May, 2013
Effective as of March 8, 2013	Effective as of March 8, 2013
Signature:	Signature:
Full Name; Sean W. Ewart	Full Name: Teresa P. Karjala
Residence: 3015 Chance Court	Residence: 56 Mandevilla Court
Pearland, Texas 77584	Lake Jackson, Texas 77566
	[]: _; '
Country: United States of America	Country: United States of America
Citizenship: Canada	Citizenship: United States of America
P.O. Address: Same as Residence	P.O. Address: Same as Residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At: Freeport, Texas 77541 USA	At: Freeport, Texas 77541 USA
	this 23 day of May ,20/3
this day of, 20	Effective as of March 8, 2013
Effective as of March 6, 2015	Paret word
Signature:	Signature:
Full Name: Michael J. Zogg, Jr.	Full Name: Sarat Munjal
Residence: 1518 Blodgett Street	Residence: 106 Thyme Trail
Houston, Texas 77004	Lake Jackson, Texas 77566
Country I Wited States of America	Country:
Country: United States of America Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as Residence	P.O. Address: Same as Residence
F.O. Address. Same as residence	Employed By: The Dow Chemical Company
Employed Dr. The Day Chemical Company	
Employed By: The Dow Chemical Company Of Country: United States of America	Of Country: United States of America

This Assignce 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 attached hereto which is dated: May 20, 2013; May 20, 2013; May 20, 2013; and May 20, 2013; effective as of March 8, 2013

From, the ASSIGNOR: Teresa P. Karjala, 56 Mandevilla Court, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; Sean W. Ewart, 3015 Chance Court, Pearland, Texas 77584, United States of America, Citizen of Canada; Michael J. Zogg, Jr., 1518 Blodgett Street, Houston, Texas 77004, United States of America, Citizen of United States of America; and Sarat Munjal, 106 Thyme Trail, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America

of the invention entitled:

FREE-RADICAL PROCESSES TO MAKE ETHYLENE-BASED POLYMERS USING ALKLYATED PHENOLS

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
thin 😗 💰	day of October, 20 13
er P	DOW GLOBAL TECHNOLOGIES LLC
; ; ; CÓR ; ; SEA	
	SUSAN M. ZERULL Authorized Representative
NOTARIAL CERTIFICATE	
On this before me, known or ider	TATES OF AMERICA) F MICHIGAN) SS ish of Midland) 3 day of Otober , 2013 , personally appeared SUSAN M. ZERULL, Authorized Representative, ntified to me to be the individual described in and who executed the foregoing document dged the same as a free act and deed for uses and purposes therein expressed by
authority of the States of Am	ne said entity organized and existing under the laws of the State of Delaware, United
I further certi	fy that said authority, datèd June 1, 2012, is based on
A delegation	of signature authority of said Limited Liability Company
which I have the foregoing	seen, appointing the said individual Authorized Representative with full power to sign 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

RECORDED: 01/12/2016

OKathy Sue Wertz

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