504423597 06/21/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4470297

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARIA POLLARD	11/18/2013

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:	15023673

CORRESPONDENCE DATA

Fax Number: (414)223-5000

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: 414-978-5559

Email: jere.polmatier@huschblackwell.com

Correspondent Name: JERE L. POLMATIER

Address Line 1: HUSCH BLACKWELL LLP

Address Line 2: 555 EAST WELLS STREET, SUITE 1900 Address Line 4: MILWAUKEE, WISCONSIN 53202-3819

ATTORNEY DOCKET NUMBER:	DOW-39845-A-US
NAME OF SUBMITTER:	JERE L. POLMATIER
SIGNATURE:	/jlp/
DATE SIGNED:	06/21/2017

Total Attachments: 4

source=DOW39845assign#page1.tif source=DOW39845assign#page2.tif source=DOW39845assign#page3.tif source=DOW39845assign#page4.tif

PATENT 504423597 REEL: 042766 FRAME: 0282

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: A PROCESS FOR INCREASING THE MELT STRENGTH OF A POLYETHYLENE RESIN, A MASTERBATCH COMPOSITION AND A POLYMERIC COMPOSITION

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
61/884,551	September 30, 2013	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: Freeport, Texas 77541, USA
this 18th day of NOVember, 20 13
Effective as of September 30, 2013
Signature: DD Demus
Full Name: Mehmet Demirors
Residence: 2319 Bending Spring Drive
Pearland, Texas 77584
Country: United States of America
Citizenship: Netherlands
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At:	Freeport, Texas 77541, US	A
this	day of	, 20
Effective as	of September 30, 2013	The second secon
Signature:		
(~ -	The Day of the	
	Teresa P. Karjala	
Residence:	56 Mandevilla Court	
	Lake Jackson, Texas 77566	
Country: Ur	nited States of America	
Citizenship:	United States of America	
P.O. Addres	s: Same as Residence	
Employed B	by: The Dow Chemical Company	
Of Country:	United States of America	

At:	Freeport, Texas 7754	1, USA
this	day of	, 20
Effective	as of September 30, 2013	
Signature		
Full Nam	e: Sean W. Ewart	
Residenc	e: 3015 Chance Court	
	Pearland, Texas 77584	
Country:	United States of America	
Citizensh	ip: Canada	
P.O. Add	ress: Same as Residence	
Employe	d By: The Dow Chemical Com	pany
Of Count	ry: United States of America	

At:	Freeport, Texas 77541, US	Α
this	day of	, 20
Effective as	of September 30, 2013	
Signature:		
-	Maria Pollard	
Residence:	3707 Clarestone Drive	
	Pearland, Texas 77584	
Country: Ur	nited States of America	
Citizenship:	United States of America	
P.O. Addres	ss: Same as Residence	
Employed E	By: The Dow Chemical Company	
Of Country:	United States of America	

() Additional names and signatures are attached.

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

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: A PROCESS FOR INCREASING THE MELT STRENGTH OF A POLYETHYLENE RESIN, A MASTERBATCH COMPOSITION AND A POLYMERIC COMPOSITION

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
61/884,551	September 30, 2013	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: I	reeport, Texas 7/541, USA	
this day	of	, 20
Effective as of Sept	ember 30, 2013	
Signature:		
Full Name: Mehme	t Demirors	
Residence: 2319 E	Sending Spring Drive	
Pearla	nd, Texas 77584	
Country: United St	ates of America	
Citizenship: Netherl	ands	
P.O. Address: Same	e as Residence	
1 1 2	Dow Chemical Company	
Of Country: United	States of America	

At:	Freeport, Texas 77541, U	JSA
this	day of	. 20
Effective	as of September 30, 2013	
Signature	3	
Full Nam	e: Teresa P. Karjala	
Residence	e: 56 Mandevilla Court	
	Lake Jackson, Texas 77566	
Country:	United States of America	
Citizensh	ip: United States of America	
P.O. Add	ress: Same as Residence	
Employed	By: The Dow Chemical Compar	ny
Of Count	ry: United States of America	•

At: Freeport, Texas 7,7541, USA
this 11th day of November , 20 13
Effective as of September 30, 2013
Signature: Swart
Full Name: Sean W. Ewart
Residence: 3015 Chance Court
Pearland, Texas 77584
Country: United States of America
Citizenship: Canada
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At: Freeport, Texas	77541, USA
this day of	, 20
Effective as of September 30, 2013	
Signature:	
Full Name: Maria Pollard	
Residence: 3707 Clarestone Drive	
Pearland, Texas 77584	
Country: United States of America	
Citizenship: United States of America	ca
P.O. Address: Same as Residence	
Employed By: The Dow Chemical	Company
Of Country: United States of Amer	ica

() Additional names and signatures are attached

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: A PROCESS FOR INCREASING THE MELT STRENGTH OF A POLYETHYLENE RESIN, A MASTERBATCH COMPOSITION AND A POLYMERIC COMPOSITION

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
61/884,551	September 30, 2013	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: Freeport, Texas 77541, USA	At: Freeport, Texas 77541, USA		
his day of , 20	this day of , 20		
Effective as of September 30, 2013	Effective as of September 30, 2013		
Signature:	Signature:		
Full Name: Mehmet Demirors	Full Name: Sean W. Ewart		
Residence: 2319 Bending Spring Drive	Residence: 3015 Chance Court		
Pearland, Texas 77584	Pearland, Texas 77584		
Country: United States of America	Country: United States of America		
Citizenship: Netherlands	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 7/541, USA
this 23rd day of October, 2013
Effective as of September 30, 2013
Signature: D. Wh
Full Name: Teresa P. Karjala
Residence: 56 Mandevilla Court
Lake Jackson, Texas 77566
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

day of Effective as of September 30, 2013 Full Name: Maria Pollard Residence: 3707 Clarestone Drive Pearland, Texas 77584 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: The Dow Chemical Company Of Country: United States of America

^() Additional names and signatures are attached.

This Assignment 110 is in the XXXLISH language and has the same meaning in other languages with the same 110 number and I

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: A PROCESS FOR INCREASING THE MELT STRENGTH OF A POLYETHYLENE RESIN, A MASTERBATCH COMPOSITION AND A POLYMERIC COMPOSITION

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

ſ	Priority Number	Filing Date	Filing Country
ı	61/884,551	September 30, 2013	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: Freeport, Texas 77541, USA	
this day of	, 20
Effective as of September 30, 2013	
Signature:	
Full Name: Mehmet Demirors	
Residence: 2319 Bending Spring Drive	
Pearland, Texas 77584	
Country: United States of America	
Citizenship: Netherlands	
P.O. Address: Same as Residence	
Employed By: The Dow Chemical Company	
Of Country: United States of America	

At:	Freeport, Texas 77541, USA	
this	day of	_ , 20
Effective as	of September 30, 2013	
Ciamatuma		
Signature: _		,
Full Name:	Teresa P. Karjala	
Residence:	56 Mandevilla Court	
	Lake Jackson, Texas 77566	
Country: Ur	nited States of America	
Citizenship:	United States of America	
P.O. Addres	s: Same as Residence	
Employed E	By: The Dow Chemical Company	
Of Country:	United States of America	

At: Freeport, Texas 77541, USA
this day of , 20

Effective as of September 30, 2013

Signature:
Full Name: Sean W. Ewart
Residence: 3015 Chance Court
Pearland, Texas 77584

Country: United States of America
Citizenship: Canada
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At: Freeport, Texas 77541, USA
this 18th day of thrember, 20 13
Effective as of September 30, 2013
Signature: Maria Pollard
Full Name: Maria Pollard
Residence: 3707 Clarestone Drive
Pearland, Texas 77584
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country, United States of America

() Additional names and signatures are attached.

PATENT REEL: 042766 FRAME: 0286

RECORDED: 06/21/2017