### 504864847 04/12/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4911587

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
ROBERT C. CIESLINSKI	01/13/2014
BRUCE B. GERHART	01/13/2014
DAVID D. HAWN	01/13/2014
XIAOHUA QIU	01/13/2014
MARK A. RICKARD	01/13/2014
STEVEN ROSENBERG	01/13/2014
IAN A. TOMLINSON	01/10/2014
CHENGLI ZU	01/13/2014

#### **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:	15102882

#### **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

Correspondent Name: DANNY CHILDS

Address Line 1: 2040 DOW CENTER

Address Line 4: MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER: 75848-US-PCT	
NAME OF SUBMITTER:	DANNY CHILDS
SIGNATURE:	/Danny Childs/

PATENT 7 REEL: 045514 FRAME: 0380

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DATE SIGNED:	04/12/2018	
Total Attachments: 5		
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This Assignee Acceptance took is in the ENGLISH language and has the same meaning in other languages with the same took 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 atta which is dated: January 10, 2014 and From, the ASSIGNOR: Robert C. Cieslinski, 2300 Candlestick Lane, Midland, Michigan 48642, United States of America, Citizen of United States of America: Bruce B. Gerhart, 4619 Blossom Circle, Midland, Michigan 48642, United States of America, Citizen of United States of America: David D. Hawn, 3811 Gettysburg Road, Midland, Michigan 48642, United States of America. Citizen of United States of America: XiaoHua Qiu, 5300 Claremont Street, Midland, Michigan 48642. United States of America, Citizen of People's Republic of China: Steven Rosenberg, 5725 Brentridge Drive, Shorewood, Minnesota 55331, United States of America, Citizen of United States of America: Ian A. Tomlinson, 4415 Andre Street, Midland, Michigan 48642, United States of America, Citizen of United States of America; Chengli Zu, 7107 Windstream Circle, Midland, Michigan 48642, United States of America, Citizen of People's Republic of China; and Mark A. Rickard, 2781 North Cedaridge Drive, Midland, Michigan 48642, United States of America, Citizen of United States of America of the invention entitled:

COMPOSITE POLYAMIDE MEMBRANE HAVING AZO CONTENT AND HIGH ACID CONTENT

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	Midiand, Michigan 48674, USA
`this&_	3 day of January 2014
	DOW GLOBAL TECHNOLOGIES LLC
COI SEA	₹₽.
	By: / / / / / / / / SUŚAN M. ZERUEL
	Authorized Representative

## NOTARIAL CERTIFICATE

	2 Obternion b
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) SS )
On this 23 day of 500000 before me. SUSAN M. ZERULL, Author known or identified to me to be the individuand acknowledged the same as a free act and	. 20 14 , personally appeared rized Representative, all described in and who executed the foregoing document deed for uses and purposes therein expressed by sting under the laws of the State of Delaware, United

I further certify that said authority, dated June 1, 2012, is based on

A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing 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

Kathy Sue Wertz NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN

MY COMMISSION EXPIRES APRIL 07, 2018

**PATENT** 

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iont 110 is in the ENGLISH language and has the same incating in other languages with the same 110 number and ReDate 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: COMPOSITE POLYAMIDE MEMBRANE HAVING AZO CONTENT AND HIGH ACID CONTENT

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"); mylour 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
61/925.520	January 9, 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 Patem 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: Midland Michigan 48674 USA	At: Midland, Michigan 48674 USA
this 13 day of Envesor .20 14	this 13 day of 7AN LACY , 20 19
Effective as of January 9, 2014	Effective as of January 9, 2014
Signature: John A. Cullandia	Signature: Ben & Auto 1
Full Name:/Robert C. Cieslinski	Full Name: Bruce B. Gerhart
Residence: 2300 Candlestick Lane	Residence: 4619 Blossom Circle
Midland, Michigan 48642	Midland, Michigan 48642
Country: United States of America	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: Midland, Michigan 48674 USA	At: Midland, Michigan 48674 USA
this /3 day of 16ma . 20 /4	this /3 day of January , 20 /4
Effective as of January 9, 2014	Effective as of January 9, 2014
Signature: Wash D. Ha	Signature: K W L
Full Name: David D. Hawn	Full Name: XiaoHua Qiu
Residence: 3811 Gettysburg Road	Residence: 5300 Claremont Street
Midland, Michigan 48642	Midland, Michigan 48642

Midland, Michigan 48642

Country: United States of America

P.O. Address: Same as Residence

Citizenship: People's Republic of China

Of Country: United States of America

Employed By: The Dow Chemical Company

Of Country: United States of America

Country: United States of America

P.O. Address: Same as Residence

Citizenship: United States of America

Employed By: The Dow Chemical Company

nal names, addresses and signatures to be attached to Form I	No. 110 INDIVIDUAL ASSIGNMENT AND INVENTORS DECLAR
At: Midland, Michigan 48674 USA	At: Edina, Minnesota 55439 USA
this R day of James 20 14	
Effective as of January 9, 2014	this day of . 20
Signature: Marke Richard	Signature:
Full Name: Mark A. Rickard	Full Name: Steven Rosenberg
Residence: 2781 North Cedaridge Drive	Residence: 5725 Brentridge Drive
Midland, Michigan 48642	Shorewood, Minnesota 55331
Country: United States of America	Country United Server 5 A
Citizenship: United States of America	Country: United States of America
P.O. Address: Same as Residence	Citizenship: United States of America
F.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: Midland, Michigan 48674 USA	At: Midland, Michigan 48674 USA
this day of , 20	this 13 day of January .20 14
Effective as of January 9, 2014	Effective as of January 9, 2014
1	Enective as of January 9, 2014
Signature:	Signature: Chariff
Full Name: Ian A. Tomlinson	Gladier Charles Charle
Residence: 4415 Andre Street	Full Name: Chengli Zo/
	Residence: 7107 Windstream Circle
Midland, Michigan 48642	Midland, Michigan 48642
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: People's Republic of China
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:	At:
this day of ,20	this day of .20
. 20	this day of 20
Signature:	
Full Name:	Signature:
· ·	Full Name:
Residence:	Residence:
Country:	
Citizenship:	Country:
P.O. Address;	Citizenship:
1	P.O. Address:
Employed By:	Employed By:
Of Country:	Of Country:
At:	At:
this day of, 20	this day of, 20
Signature:	
Full Name:	Full Name:
Residence:	1 1
incondence.	Residence:
Country	
Country:	Country:
Citizenship:	Citizenship:
P.O. Address:	P.O. Address:
Employed By:	Employed By:
Of Country:	Of Country:
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At:	At:
this day of, 20	At:
Signature:	Signature:
Full Name:	Full Name:
Residence:	Residence:
Country	
Country:	Country:
Citizenship:	Citizenship:
P.O. Address:	P.O. Address;
Employed By:	Employed By:
Of Country:	Of Country:
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A 20%

al names, addresses and signatures to be attached to Form At: Midland, Michigan, 48674, USA	At: Edina, Minnesota 55439 USA
this day of, 20	this 13th day of JANJAN
this day of , 20	Effective as of January 9, 2014
	Signature:
Signature:	Signature: VO. Y.L.
Full Name: Mark A. Rickard	Full Name: Steyen Rosenberg
Residence: 2781 North Cedaridge Drive	Residence: 5725 Brentridge Drive
Midland, Michigan 48642	Shorewood, Minnesota 55331
Country: United States of America	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: Midland, Michigan 48674 USA	
this day of ,20	At: Midland, Michigan 48674 USA
Effective as of January 9, 2014	this day of .2
Effective as of Jandary 9, 2014	Effective as of January 9, 2014
Signature:	Signature:
Full Name: Ian A. Tomlinson	Full Name: Chengli Zu
Residence: 4415 Andre Street	Residence: 7107 Windstream Circle
Midland, Michigan 48642	Midland Midden 40440
Country: United States of America	Midland, Michigan 48642
Citizenship: United States of America	Country: United States of America
P.O. Address: Same as Residence	Citizenship: People's Republic of China P.O. Address: Same as Residence
Employed By: The Dow Chemical Company	Frontourd Day The Day Of the C
Of Country: United States of America	Employed By: The Dow Chemical Company
	Of Country: United States of America
At:	At:
this day of . 20	this day of .20
Signature:	Signature:
Full Name:	Full Name:
Residence:	Residence:
	1
Country:	Country:
Citizenship:	Citizenship:
P.O. Address:	P.O. Address:
Employed By:	Employed By:
Of Country:	Of Country:
At:	
this day of , 20	At:thisday of, 20
	20
Signature:	
Full Name:	Signature:
	Full Name:
Residence:	Residence:
Country:	
	Country:
Citizenship:	Citizenship:
P.O. Address:	P.O. Address:
Employed By:	Employed By:
Of Country:	Of Country:
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At: his day of 20	A1:
his day of 20	this day of 20
Signature:	Signature:
full Name:	Full Name:
	Residence:
Residence:	
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Country:	Country:
Country: Citizenship:	Citizenship:
Country: Citizenship: P.O. Address:	
Country: Citizenship:	Citizenship: