

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
<i>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.</i>	
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/

DATE SIGNED:	04/12/2018
Total Attachments: 5 source=75848-US-PCT Assignment Inventors to DGTL#page1.tif source=75848-US-PCT Assignment Inventors to DGTL#page2.tif source=75848-US-PCT Assignment Inventors to DGTL#page3.tif source=75848-US-PCT Assignment Inventors to DGTL#page4.tif source=75848-US-PCT Assignment Inventors to DGTL#page5.tif	

This Assignee Acceptance form is in the ENGLISH language and has the same meaning in other languages with the same form number

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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 January 13, 2014
 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 Midland, Michigan 48674, USA
 this 23 day of January, 2014

CORP.
SEAL

DOW GLOBAL TECHNOLOGIES LLC

By: [Signature]
SUSAN M. ZERULL
 Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
 STATE OF MICHIGAN) SS
 County/Parish of Midland)

On this 23 day of January, 2014, personally appeared before me, **SUSAN M. ZERULL, Authorized Representative**, known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said entity organized and existing under the laws of the **State of Delaware, United States of America**.

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

[Signature]

[Signature]
Kathy Sue Wertz
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
 MY COMMISSION EXPIRES APRIL 07, 2018

Attach this Assignee Acceptance form to an ASSIGNMENT in the English language

PATENT
REEL: 045514 FRAME: 0382

FORM 110 (R 5/97)

(with Priority Rights)

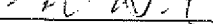
which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust 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:

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.

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.

Subscribed and Declared by me/us:

At: Midland, Michigan 48674 USA
this 13 day of JANUARY, 20 14
Effective as of January 9, 2014
Signature: Bruce B. Gerhart
Full Name: Bruce B. Gerhart
Residence: 4619 Blossom Circle
Midland, Michigan 48642
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

At: Midland, Michigan 48674 USA
 this 13 day of January, 20 14
 Effective as of January 9, 2014
 Signature: 
 Full Name: XiaoHua Qiu
 Residence: 5300 Claremont Street
Midland, Michigan 48642
 Country: United States of America
 Citizenship: People's Republic of China
 P.O. Address: Same as Residence
 Employed By: The Dow Chemical Company
 Of Country: United States of America

PATENT

At: Midland, Michigan 48674 USA
 this 13 day of January, 20 14
 Effective as of January 9, 2014
 Signature: *Mark Rickard*
 Full Name: Mark A. Rickard
 Residence: 2781 North Cedaridge Drive
 Midland, Michigan 48642
 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

At: Edina, Minnesota 55439 USA
 this _____ day of _____, 20 ____
 Effective as of January 9, 2014
 Signature: _____
 Full Name: Steven Rosenberg
 Residence: 5725 Brentridge Drive
 Shorewood, Minnesota 55331
 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

At: Midland, Michigan 48674 USA
 this _____ day of _____, 20 ____
 Effective as of January 9, 2014
 Signature: _____
 Full Name: Ian A. Tomlinson
 Residence: 4415 Andre Street
 Midland, Michigan 48642
 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

At: Midland, Michigan 48674 USA
 this 13 day of January, 20 14
 Effective as of January 9, 2014
 Signature: *Chengli Zou*
 Full Name: Chengli Zou
 Residence: 7107 Windstream Circle
 Midland, Michigan 48642
 Country: United States of America
 Citizenship: People's Republic of China
 P.O. Address: Same as Residence
 Employed By: The Dow Chemical Company
 Of Country: United States of America

At: _____
 this _____ day of _____, 20 ____
 Signature: _____
 Full Name: _____
 Residence: _____
 Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20 ____
 Signature: _____
 Full Name: _____
 Residence: _____
 Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20 ____
 Signature: _____
 Full Name: _____
 Residence: _____
 Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20 ____
 Signature: _____
 Full Name: _____
 Residence: _____
 Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20 ____
 Signature: _____
 Full Name: _____
 Residence: _____
 Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20 ____
 Signature: _____
 Full Name: _____
 Residence: _____
 Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

Additional names, addresses and signatures to be attached to Form No. 110 INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION

At: Midland, Michigan 48674 USA
 this _____ day of _____, 20____
 Effective as of January 9, 2014

Signature: _____
 Full Name: Mark A. Rickard
 Residence: 2781 North Cedaridge Drive
 Midland, Michigan 48642
 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

At: Edina, Minnesota 55439 USA
 this _____ day of _____, 20____
 Effective as of January 9, 2014

Signature: _____
 Full Name: Steven Rosenberg
 Residence: 5725 Brentridge Drive
 Shorewood, Minnesota 55331
 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

At: Midland, Michigan 48674 USA
 this 10 day of January, 2014
 Effective as of January 9, 2014

Signature: Ian A. Tomlinson
 Full Name: Ian A. Tomlinson
 Residence: 4415 Andre Street
 Midland, Michigan 48642
 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

At: Midland, Michigan 48674 USA
 this _____ day of _____, 20____
 Effective as of January 9, 2014

Signature: _____
 Full Name: Chengli Zu
 Residence: 7107 Windstream Circle
 Midland, Michigan 48642
 Country: United States of America
 Citizenship: People's Republic of China
 P.O. Address: Same as Residence
 Employed By: The Dow Chemical Company
 Of Country: United States of America

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

110 INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION

At: Midland, Michigan 48674 USA
this _____ day of _____, 20____
Effective as of January 9, 2014

Signature: _____
Full Name: Mark A. Rickard
Residence: 2781 North Cedaridge Drive
Midland, Michigan 48642
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

At: Edina, Minnesota 55439 USA
this 13th day of JANUARY, 20 14
Effective as of January 9, 2014

Signature: _____
Full Name: Steyck Rosenberg
Residence: 5725 Brentridge Drive
Shorewood, Minnesota 55331
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

At: Midland, Michigan 48674 USA
this _____ day of _____, 20____
Effective as of January 9, 2014

Signature: _____
Full Name: Ian A. Tomlinson
Residence: 4415 Andre Street
Midland, Michigan 48642
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

At: Midland, Michigan 48674 USA
this _____ day of _____, 20____
Effective as of January 9, 2014

Signature: _____
Full Name: Chengli Zu
Residence: 7107 Windstream Circle
Midland, Michigan 48642
Country: United States of America
Citizenship: People's Republic of China
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____