# 504495870 08/09/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4542573

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE: SEQUENCE:		ASSIGNMENT	ASSIGNMENT		
		3			
CONVEYING PARTY D	ΔΤΑ				
		Name	Execution Date		
THE DOW CHEMICAL	COMPA	NY	11/02/2012		
	а <b>т</b> а				
RECEIVING PARTY DA		GLOBAL TECHNOLOGIES LLC			
Street Address:		2040 DOW CENTER			
City:	MIDLA				
State/Country:	місні	GAN			
Postal Code:	48657				
PROPERTY NUMBERS			7		
			-		
PROPERTY NUMBERS Property Type Application Number:		<b>Number</b> 14438944	]		
CORRESPONDENCE	DATA				
Fax Number:		(989)636-3237			
		o the e-mail address first; if that is un d; if that is unsuccessful, it will be se			
Phone:		9896368537			
Emoile					

Email:	FGLMFRR@DOW.COM
Correspondent Name:	KRISTIE ELLISON
Address Line 1:	2040 DOW CENTER
Address Line 4:	MIDLAND, MICHIGAN 48657

ATTORNEY DOCKET NUMBER:	73783-US-PCT			
NAME OF SUBMITTER:	KRISTIE ELLISON			
SIGNATURE:	/Kristie Ellison/			
DATE SIGNED:	08/09/2017			
Total Attachments: 3				
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source=73783-US-PCT 20170809 TDCC to DGTL#page2.tif source=73783-US-PCT 20170809 TDCC to DGTL#page3.tif This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number, FORM 440

#### ASSIGNMENT (with Priority Rights)

#### and

**INVENTORSHIP DECLARATION** 

We, ASSIGNOR, of:

THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Jon E. Johnson, 2925 Walnut Grove Lane, Plymouth, Minnesota 55447, United States of America, Citizen of United States of America

of an invention relating to and entitled:

#### FILTRATION ELEMENT WITH END CAP AND FACE SEAL

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE:

#### 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 the State of Delaware, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
61/718,757	October 26, 2012	United States of America

of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country

of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that 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.

Midland, Michigan 48674, USA Subscribed and Sworn by us at this, 2101 day of NOVEMBER, 20 12

CORP. SEAL

THE DOW CHEMICAL COMPANY By: DARRYL P. FRIČKEY Assistant General Counsel - IP Law

Attach Notarial Certificate (Corporation)

This Assignce Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 560 number.

■660 € 660 € 560 € 660

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:  $\underline{NU2MbeiG}_{1}$ ,  $\exists UI \Rightarrow$ 

From, the ASSIGNOR:

THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 United States of America

of the invention entitled:

#### FILTRATION ELEMENT WITH END CAP AND FACE SEAL

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 5 day of November, 20 (2				
CORF. SEAL By: <u>Julian M Zeul</u> SUSAN M. ZERULL Authorized Representative				
NOTARIAL CERTIFICATE				
UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland ) On this <u>5</u> day of <u>Verember</u> , 20 /2, 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 Limited Liability Company 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 limited liability company and that the purposes for which said document is granted are within the scope of the objects or activities of said limited liability company.

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

SEAL

PATENT REEL: 043243 FRAME: 0871 This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

This Notarial Certificate 550 is in the ENGLISH language and fees the same meaning in other languages with the same 550 number. FORM 550

### NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)STATE OF MICHIGAN) SSCounty/Parish of Midland)

On this <u>210</u> day of <u>1000 ber</u>, 20<u>1</u>, personally appeared before me, DARRYL P. FRICKEY, Assistant General Counsel - IP Law,

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 Corporation incorporated under the laws of the State of Delaware, United States of America.

I further certify that said authority, dated April 6, 2011, is based on

#### a Certified Resolution

which I have seen, appointing the said individual Assistant General Counsel - IP Law with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

Elecca Sue Hollersthead

SEAL

Rebocca Sue Hollingshead NOTARY FLACE WILLING COUNTY, MICHIGAN MY COLLENSION ED FEE NOVEMBER 25, 2012

**RECORDED: 08/09/2017**