502596134 12/10/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2642403

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHENG G. LI	12/15/2003
ROBIN R. ZIEBARTH	02/12/2004
MARTIN C. CORNELL	11/21/2003
STEVEN B. SWARTZMILLER	12/15/2003

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:	10567006

CORRESPONDENCE DATA

 Fax Number:
 (989)636-3237

 Phone:
 9896360618

 Email:
 roedel@dow.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: MATTHEW ROEDEL Address Line 1: 2020 DOW CENTER

Address Line 4: MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	61861-US-PCT
NAME OF SUBMITTER:	MATTHEW ROEDEL
Signature:	/Matthew Roedel/
	PATENT

502596134 REEL: 031747 FRAME: 0040

00 10567006

Date:	12/10/2013
Total Attachments: 7 source=61861-US-PCT 20131210 KJN Assi	gnments#page2.tif gnments#page3.tif gnments#page4.tif gnments#page4.tif
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FORM 110 (R 5/97)

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

Docket Ref. 61861

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:

IMPROVED DIESEL EXHAUST FILTER

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, by virtue of my/our employee agreement(s) and contractual agreement(s) between our employer(s) and Dow Global Technologies Inc., hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Dow Global Technologies Inc. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work from my/our employer, I/we sell, assign and transfer unto:

DOW GLOBAL TECHNOLOGIES INC.

Washington Street 1790 Building

Midland, Michigan 48674

United States of America

my/our entire right, t including provisional nominee(s)); and all rights to claim priorit do hereby authorize	ted and existing under the laws itle and interest throughout the applications when permitted b rights and powers to file any co y under all United States dome Assignee or its designee to inse	world, in and to the by law, for Letters Pro- prresponding or equi- estic laws, Internation	invention and all rights and patent in its own name, or in the valent applications in any and	owers to make applications, e name of its designee (or it all countries including all	,
Application No	- 100	Filing D	ate		
in country the Unite	d States of America				
invention in any and interference, conflict, execute for any and a identified application any corresponding ex		gree to assist Assign may arise involving ting to applications of	nee in the prosecution of the a the invention or the patent of derived from, corresponding to	pplication(s) and in any r patents thereon, and to o or equivalent to the above	<u>ere</u>
Application Noin country		Filing Date	August 29, 2003		

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. I/we authorize Assignce 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:

y Hills MI 44326 x Dec. , 20x03 1gust 29, 2003		
7 x Dec. , 20x03		
igust 29, 2003		
They Const.		
resolution of the		
Cheng G. Li		
3439 Victoria Avenue 2847		
Columbus, Indiana 47203		
United States of America Translation		
United States of America		
Same as Residence		
The Dow Chemical Company		
United States of America		
JACKSON		
IF NOVEMBER , 20/23		
Effective as of August 29, 2003		
VHHX LOVUIV		
Martin C. Cornell		
333 Timbercreek Drive		
Lake Jackson, Texas 77566		
United States of America		
•		
United States of America		
United States of America United States of America		

At: Mala	MI. MI. 48674
this 12 day o	f 'lebruary 2004
Effective as of	August 29, 2003
	7/12 - 1 C/X
Signature:	2. S. Luxum All
Full Name:	Robin X. Ziebarth Ros
Residence:	5902 Wildflower 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: VAUBU	RN HILLS, MI 483ZC
this VIST day	of DECEMBER , 2003
Effective as of	August 29, 2003
Signature	Wary
Full Name:	Steven B. Swartzmiller
Residence:	5680 Golf Pointe Drive
	Clarkston, Michigan 48348
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.

 $\bullet 111 \bullet 122 \bullet 1$

This Assignment 222 is in the ENGLISH language and has the same meaning in other languages with the same 222 number and R/Date

FORM 222

NOTARIAL CERTIFICATE (INDIVIDUAL)

Docket Ref. 61861

UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Oakland)	
before me,	<u>Ge</u> , 20 <u>O3</u> , personally appeared
Chen known or identified to me to be the individual foregoing document and acknowledged the sa purposes therein expressed. SEAL	me as a free act and deed for uses and Mala F-Melanice
	Notary Public Mills, Oakland County, Michigan My Commission Expres December 19, 2004
NOTARIAL CERTIFIC	CATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
On this 12 day of February before me,	, 20 <u>D</u> , personally appeared
Robin R known or identified to me to be the individual foregoing document and acknowledged the sa purposes therein expressed.	
SEAL	Notary Public Beth L. Ramon Notary Public, Saginaw County, Michigan Acting in Midland County, Michigan My Commission Expires February 25, 2008
NOTARIAL CERTIFIC	CATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Oakland)	
On this day of lefore me,	geo, 20 05, personally appeared
known or identified to me to be the individual foregoing document and acknowledged the sa purposes therein expressed.	
SEAL	Notary Public
	Mildred F. McKenzie Notary Public, Oakland County, Michigan My Commission Express December 19, 2004

 $\textcolor{red}{\bullet 222} \textcolor{red}{\bullet 2222} \textcolor{red}$

This Assignment 222 is in the ENGLISH language and has the same meaning to other languages with the same 222 number and R/Date

FORM 222 Docket Ref. 61861

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)	
STATE OF TEKAS) SS	
County/Parish of Beazonia)	
On this 2/5th day of Dovember	, 20 <u>03</u> , personally appeared
hefore me	

Martin C. Cornell

Notary Public

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.

TERESA D. VANCE
NOTARY PUBLIC
STATE OF TEXAS
Comm. Exp. 04-05-2004



The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "DOW GLOBAL TECHNOLOGIES LLC" FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF DECEMBER, A.D. 2010, AT 10:40 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

8100V

101227862

You may verify this certificate online at corp. delaware.gov/authwer.shtml

Jeffrey W. Bullock, Secretary of State AUTHENTICATION: 8457755

DATE: 12-29-10

State of Delaware Secretary of State Division of Corporations Delivered 10:40 AM 12/23/2010 FILED 10:40 AM 12/23/2010 SRV 101227862 - 2332072 FILE

To: Fax Server

Certificate of Formation

uf

Dow Global Technologies LLC

This Certificate of Formation of Dow Globul Technologies LLC has been duly executed und is being filed by Noreen D. Warrick, as an authorized representative, to form a limited liability company under the Delaware Limited Liability Company Act (6 <u>Del.C.</u>§18-101, <u>ct seq.</u>).

The name of the limited liability company is:

Dow Global Technologies LLC

- 2. The address of the limited liability company's registered office in the State of Delaware is Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of the limited liability company's registered agent for service of process in the State of Delaware at such address is the Corporation Trust Company.
- The effective date for the formation of this limited liability company is December 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Dow Global Technologies LLC this 21 day of December, 2010.

Norcen D. Warrick

Authorized Representative

Moreen Drianuck

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND
CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE
CORPORATION UNDER THE NAME OF "DOW GLOBAL TECHNOLOGIES INC." TO
A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM
"DOW GLOBAL TECHNOLOGIES INC." TO "DOW GLOBAL TECHNOLOGIES LLC",
FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF DECEMBER, A.D.
2010, AT 10:40 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

You may verify this certificate online at corp.delaware.gov/authver.shtml

AUTHENTY CATION: 8457755

DATE: 12-29-10

State of Delaware Secretary of State Division of Corporations Delivered 10:40 AM 12/23/2010 FILED 10:40 AM 12/23/2010 SEV 101227862 - 2332072 FILE

Certificate of Conversion
of
Dow Global Technologies Inc.
(a Delaware corporation)
to

Dow Global Technologies LLC (a Delaware limited liability company)

Pursuant to Section 18-214 of the Limited Liability Company Act

Dow Global Technologies Inc., a Delaware corporation (the "Corporation"), files this Certificate of Conversion (the "Certificate") and hereby certifies the following:

- The jurisdiction where the Corporation was first formed is Delawate.
- The jurisdiction immediately prior to filing this Certificate is Delaware.
- The date the Corporation was first formed is April 6, 1993.
- 4. The name of the Corporation immediately prior to filing this Certificate is Dow Global Technologies Inc.
- 5. The name of the limited liability company as set forth in the Certificate of Formation is Dow Global Technologies LLC.
- 6. The future effective date of the conversion to a limited liability company is December 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate on the 23 day of December, 2010.

Dow Global Technologies Inc.

Name: Noreen D. Warrick

Title: Secretary

PATENT REEL: 031747 FRAME: 0048

RECORDED: 12/10/2013