PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark K. Brayden	01/30/2009
Michael Smith	03/13/2007
Fredrick W. Vance	03/16/2007

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:	12446529	

CORRESPONDENCE DATA

Fax Number: 9896363237

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

Phone: 9896360618

Email: roedel@dow.com

Correspondent Name: Matthew Roedel

Address Line 1: 2040 Dow Center

Address Line 4: Midland, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	64741A-US-PCT
NAME OF SUBMITTER:	Matthew Roedel

Total Attachments: 7

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PATENT REEL: 029636 FRAME: 0240 12446529

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

FORM 110 (R 5/97)

Docket Ref. 64741

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:

METHOD FOR REMOVAL OF MERCURY FROM HYDROCARBON FEEDSTOCKS

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

a corporation organized and existing under the laws of the State of DELAWARE, U.S.A. (hereinafter referred to as the "Assignee");

Application No.			November 21, 2006	
	inited States of America n, on which the claim for priority will be be	ased: and in and to an	v Letters Patent that may be issued for	the
	and all countries. I/we do hereby agree to			
interference, con	flict, opposition or litigation which may ar	ise involving the inver	ntion or the patent or patents thereon, a	ind to
	nd all countries any document relating to a			
any correspondi	ntion as Assignee may request; and I/we do	hereby authorize Ass	signee or its designee (or nominee(s)) to	o <u>insert</u>
		ling Date		
in country				
to the above Pri	rity application of any country where tha	t country's patent pro	perty must be identified and entered h	ereinal
<u>for recordal of t</u>	nis Assignment. I/we authorize Assignee o	r its designee to transl	ate this Assignment into all languages	necess
	nat any such Letters Patent be issued to Ass			
Copy thereof, be	ing under covenant not only that I/we have	full power to make th		
Copy thereof, be encumbered by a	ing under covenant not only that I/we have ny grant, license, or other right heretofore	full power to make th		
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Effective as of November 21, 2006 Signature: 🗲 Full Name: Fredrick W. Vance Residence: 12373 Northway Circle Freeland, Michigan 48623 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**

Full Name:	Michael Smith	
Residence:	1942 Fairview	
	Houston, Texas 77019	
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:		
this day	of, 20	_
Signature:		
Full Name:		
Residence:		
Country		
Country:		
Citizenship:		
P. O. Address:		
Employed By:		
Of Country:	PATENT	

REEL: 029636 FRAME: 0242

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

FORM 222

Docket Ref. 64741

NOTARIAL	CERTIFICATE	(INDIV	(IDUAL)	١
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UNITED STATES OF AMERICA) STATE OF LOUISIANA) SS County/Parish of Iberville)	
before me,	, 20 <u></u> , personally appeared
Mark K. Br known or identified to me to be the individual des foregoing document and acknowledged the same purposes therein expressed.	scribed in and who executed the
Sec.	Manna Elihipeiano
SEAL	Notary Public STANDON E. WANSENAND, HOTARY PUBLIC State of Loudrena, Parish of Bervise OLIAS Co My Commission in for Life.
NOTARIAL CERTIFICA	TE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)	
On this 3 day of March before me,	, 20_ <u>67</u> , personally appeared
Michael S known or identified to me to be the individual deforegoing document and acknowledged the same purposes therein expressed.	scribed in and who executed the as a free act and deed for uses and
MANUAL AREAL ACTUAL AREAL AREA	Notary Public
Name of the control o	
UNITED STATES OF AMERICA NOTARIAL CERTIFICATION NOTA	TE (INDIVIDUAL)
STATE OF MICHIGAN) SS	
before me,	, 20 <u>07</u> , personally appeared
Fredrick Warns with the known or identified to me to be the individual de	
foregoing document and acknowledged the same purposes therein expressed.	as a free act and deed for uses and
•	Omil & Thomas

SEAL

Jennifer S. Heikingup Notary Public, by County, Michigan RE**EI**NG **029636: FRAME**C 0243 This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES INC.

2040 Dow Center

Midland, Michigan 48674

UNITED STATES OF AMERICA

hereby accept the ASSIGNMENT attached hereto which is dated: January 30, 2007, March 13, 2007 and March 16, 2007

From, the ASSIGNOR: Mark K. Brayden, 3531 North Bahin Court, Baton Rouge, Louisiana 70816; Michael Smith, 1942 Fairview, Houston, Texas 77019; Frederick w. Vance, 12373 Northway Circle, Freeland, Michigan 48623

of the invention entitled:

METHOD FOR REMOVAL OF MERCURY FROM HYDROCARBON FEEDSTOCKS

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.

this 25 day of October, 20 07 DOW CLOBAL TECHNOLOGIES INC. CORP. SEAL By: AB TOTAL SEAL	Signed at Midlan		Midlan	nd, Michigan 48674, USA		
CORP. SEAL By: Mr. B. Togyn	this _	25	_ day of	October	, 20 <u>07</u>	
JUHN B. IREANGEN				Ву:	BALTECHNOLOGIES B. TOMM TREANGEN	S INC.

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA	
STATE OF Michigan) SS
County/Parish of Midland)
On this 25 day of October	, 20 <u>07</u> , personally appeared
before me, JOHN B. TREANGEN, Autl	horized Representative,
and acknowledged the same as a free act and	all described in and who executed the foregoing document d deed for uses and purposes therein expressed by authority the laws of the State of Delaware, United States of

I further certify that said authority, dated August 30, 2007, is based on

A delegation of signature authority of the said Corporation,

which I have seen, appointing the said individual Attorney-in-fact 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.

SEAL

PATENT

EL::029636 FRAME: 0244



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

P.2/3

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

Certificate of Formation

of

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 22 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 I. C.

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: 029636 FRAME: 0248

RECORDED: 01/16/2013