#### 11/13/2012 502127032

### PATENT ASSIGNMENT

### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Daryoosh Beigzadeh	08/03/2004
Richard E. Campbell JR	07/02/2004
David D. Devore	08/01/2004
Duane R. Romer	08/12/2004
James C. Stevens	07/22/2004
Francis J. Timmers	08/02/2004
Hendrik E. Tuinstra	08/02/2004
Paul C. Vosejpka	08/02/2004

#### **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:	13081659

### **CORRESPONDENCE DATA**

9792387055 Fax Number:

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

979-238-5639 Phone: Email: schneider4@dow.com Correspondent Name: Carla Schneider

2301 N. Brazosport Blvd. Address Line 1:

Address Line 2: B-1463

502127032

Address Line 4: Freeport, TEXAS 77541

**PATENT** 

REEL: 029288 FRAME: 0546

ATTORNEY DOCKET NUMBER:	63796A-US-DIV[3]
NAME OF SUBMITTER:	Carla Schneider
Total Attachments: 12	
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This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number FORM 660

### ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES LLC

2040 Dow Center

Midland, Michigan 48674

hereby accept the ASSIGNMENT attached hereto which is dated: August 3, 2004; July 2, 2004; August 2, 2004; August 12, 2004; July 22, 2004; August 2, 2004; August 2, 2004; and August 2, 2004, respectively

From, the ASSIGNOR: Daryoosh Beigzadeh, 2804 Scarborough Court, Midland, Michigan 48640, United States of America, Citizen of Canada; Richard E. Campbell, Jr., 5301 Woodview Pass, Midland, Michigan 48642, United States of America, Citizen of United States of America; David D. Devore, 4901 East Shaffer, Midland, Michigan 48642, United States of America, Citizen of United States of America; Duane R. Romer, 4025 Lowell Court, Midland, Michigan 48642, United States of America, Citizen of United States of America, Citizen of United States of America; James C. Stevens, 2026 Pecan Trail Drive, Richmond, Texas 77406, United States of America, Citizen of United States of America; Francis J. Timmers, 4605 Lund Drive, Midland, Michigan 48642, United States of America; Citizen of United States of America; Hendrik E. Tuinstra, 5103 Foster Road, Midland, Michigan 48642-3229, United States of America, Citizen of United States of America

of the invention entitled:

Technique for Selecting Polymerization Modifiers

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 <u>6</u>	day of November, 20 12
COR! SEAL	
	Susan M. Zerull  Authorized Representative

### NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA )
STATE OF MICHIGAN ) SS
County/Parish of Midland )
On this 6 day of November, 2012, 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 <b>Delaware</b> .

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

A Delegation of Signature Authority

which I have seen, appointing the said individual 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.

NOTARY SHELLE MIDLAND COUNTY MICHAELAN
MY COMMISSION EXPIRES APRIL 7, 2018
REEL: 029288 FRAME: 0548

### 1990 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 | ### 1991 |

This Assignment 110 is in the ENGLISH temporare and has the some meaning in other languages with the same 110 number and ROME.

FORM 110 (R 5/97)

Docket Ref. 63796 css

# 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:

#### TECHNIQUE FOR SELECTING POLYMERIZATION MODIFIERS

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"); 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

nominee(s)); and all rights and powers to file any correspon	ding or equivalent a	applications	in any an	nd all countries,	including all
rights to claim priority under all United States domestic law	s, International Cor	nvention(s) a	ind Treat	ies in the name	of Assignee, and
do hereby authorize Assignee or its designee to insert here t	he				<b>.</b>
Application No. 60/580,330	Filing Date	June	16,	2004	
in country the United States of America					-
of the application, on which the claim for priority will be ba	ised; and in and to a	any Letters P	atent that	t may be issued	for the
invention in any and all countries. I/we do hereby agree to a	issist Assignee in th	ie prosecutie	n of the	application(s) a	and in any
interference, conflict, opposition or litigation which may ari	se involving the inv	vention or the	e patent o	or patents thereo	on, and to
execute for any and all countries any document relating to a	pplications derived	from, corres	ponding	to or equivalent	t to the above
identified application as Assignee may request; and I/we do	hereby authorize A	ssignee or it	s designe	e (or nominee(s	s)) to insert here
any corresponding equivalent	, and the second	Ũ	_	` `	<i>,,</i>
Application NoFil	ing Date				
in country					~
to the above Priority application of any country where that	country's patent or	roperty must	be ident	ified and entere	ed hereinabove
for recordal of this Assignment. I/we authorize Assignee or					
and we request that any such Letters Patent be issued to Ass	ignee; and consent	to the record	lal of this	Assignment, o	r a Notarial True
Copy thereof, being under covenant not only that I/we have	full power to make	the same, bu	t also tha	at such assigned	l rights are not
encumbered by any grant, license, or other right heretofore s		,			
	,				

Subscribed and Declared by me/us:

	Michigan 48674 USA
this 3 day	of August, 2004
Effective as of .	June 16, 2004 <sup>9</sup>
i .	M 2 + 1 = 2 = 2
Signature: A	OBiNgzarlel -
Full Name:	Daryoosh Beigzadeh
Residence:	4007 Haskin Drive
İ	Midland, Michigan 48640
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
` · · · · · · · · · · · · · · · · · · ·	
l At: Midland, N	Michigan 48674 USA
	Michigan 48674 USA
this Z_ day	of August 2004
	of August 2004
this Z_ day	of August 2004
this <u>Z</u> day Effective as of J	of August 2004
this Zday Effective as of J Signature:	une 16, 2004  will Dane
this Z day Effective as of J Signature: Full Name:	rof August , 2004 June 16, 2004 Eviel D. Devore
this Z day Effective as of J Signature: Full Name:	une 16, 2004  David D. Devore  4901 East Shaffer Road
this Z day Effective as of J Signature: Full Name: Residence:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642
this Z day Effective as of J Signature: Full Name: Residence: Country:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642 United States of America
this Z day Effective as of J Signature: Full Name: Residence: Country: Citizenship:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642 United States of America United States of America
this Z day Effective as of J Signature: Full Name: Residence: Country: Citizenship: P. O. Address:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642 United States of America United States of America Same as Residence

At: Midland, Michigan 48674 USA this Z day of Suc Effective as of June 16, 2004 Signature: Full Name: Richard E. Campbell. dr. Residence: 5301 Woodview Pass Midland, Michigan 48642 United States of America Country: 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 US 20**QY** this 12 day of August Effective as of June 16, 2004 Signature: nane Full Name: Duane R. Romer Residence: 4025 Lowell Court 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

This Assagnment 113 is in the ENGLISH language and has the same meaning in other languages with the same 113 number and R/Date

FORM 113

Page two of two

Docket Ref. 63796 css

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

	Texas 77541 USA	At: Midland, Michigan 48674 USA
this day Effective as of		this 12 day of 2004 Effective as of June 16, 2004
Signature:		Signature Transcis J. Time are
Full Name:	James C. Stevens 2026 Peacan Trait Drive	Full Name: Francis J. Tigamers
Residence:	Richmond, Texas 77469	Residence: 4605 Lund Drive
C	United States of America	Midland, Michigan 48642
Country:		Country: United States of America
Citizenship:	United States of America	Citizenship: United States of America
	Same as Residence	P. O. Address: Same as Residence
	The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country:	United States of America	Of Country: United States of America
this day Effective as of . Signature:	June 16, 2004	At: Midland, Michigan 48674 USA this D day of Auc 20 C  Effective as of June 6 104  Signature: Full Name: Paul C. Voseipka Residence: 706 East Chippewa River Road Midland, Michigan 48640  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
•	v of 20	At:
At:day	of20	At:day of
Signature: Full Name: Residence:		Signature: Full Name: Residence:
Country:	ŀ	Country:
Citizenship:	İ	Citizenship:
P. O. Address:		P. O. Address:
	l	
Employed By:		Employed By:
Of Country:		Of Country:

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

FORM 110 (R 5/97)

Docket Ref. 63796 css

# 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:

#### TECHNIQUE FOR SELECTING POLYMERIZATION MODIFIERS

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"); 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

rights to claim priori	ity under all United States domesti	ic laws, International Cor	wention(s) and Treaties in the name of Assignee, and
	Assignee or its designee to insert I		
Application No	60/580,330	Filing Date	June 16, 2004
	ed States of America		
of the application, or	n which the claim for priority will	be based; and in and to a	ny Letters Patent that may be issued for the
invention in any and	all countries. I/we do hereby agre	ee to assist Assignee in th	e prosecution of the application(s) and in any
			ention or the patent or patents thereon, and to
			from, corresponding to or equivalent to the above
			ssignee or its designee (or nominee(s)) to insert here
any corresponding e			TARRELLINE (CO. Manual (C.)) CO. MARKET METER
		Filing Date	
in country			
• • • • • • •		e that country's patent p	roperty must be identified and entered hereinabove
			slate this Assignment into all languages necessary;
			to the recordal of this Assignment, or a Notarial True
•	•	· ·	the same, but also that such assigned rights are not
	grant, license, or other right hereto	•	,
and Declared by mak		rore Briefit	

Subscribed and Declared by me/us:

At: Midland B	Alchigan 48674 USA	
	of	<u> </u>
Effective as of J		<b></b>
Encouve as or s	une 10, 2007	
Signature:		
Full Name:	Daryoosh Beigzadeh	
Residence:	4007 Haskin Drive	
	Midland, Michigan 48640	
Country:	United States of America	
Citizenship:	United States of America	
	Same as Residence	
Employed By:	The Dow Chemical Company	
Of Country:	United States of America	
At: Midland, N	Jichigan 48674 USA	
	dichigan 48674 USA	
this day	of, 20_	
	of, 20_	
this day	of, 20_	
this day Effective as of J	of, 20_	
this day Effective as of J Signature:	of, 20_ une 16, 2004	
this day Effective as of J Signature: Full Name:	of	
this day Effective as of J Signature: Full Name:	of	
this day Effective as of J Signature: Full Name: Residence:	of, 20_ une 16, 2004 David D. Devore 4901 East Shaffer Road Midland, Michigan 48642	
this day Effective as of J Signature: Full Name: Residence: Country:	of	
this day Effective as of J Signature: Full Name: Residence: Country: Citizenship: P. O. Address:	of	

At: Midland, Michigan 48674 USA						
this day o	f,	20				
Effective as of	June 16, 2004					
Signature:						
Full Name:	Richard E. Campbell, Jr.					
Residence:	5301 Woodview Pass					
	Midland, Michigan 48642					
Country:	United States of America					
Citizenship:	United States of America					
P. O. Address:	Same as Residence					
	The Dow Chemical Company					
Of Country:	United States of America					
		At: Midland, Michigan 48674 USA				
At: Midland, l	Michigan 48674 USA					
At: Midland, l thisday		_, 20				
	of	_, 20				
this day Effective as of .	of	, 20				
this day Effective as of .  Signature:	of June 16, 2004	_, 20				
thisday Effective as of .  Signature: Full Name:	of June 16, 2004 <b>Duane R. Romer</b>	_, 20				
this day Effective as of .  Signature:	of	, 20				
this day Effective as of . Signature: Full Name: Residence:	of	, 20				
this day Effective as of . Signature: Full Name: Residence: Country:	Duane R. Romer 4025 Lowell Court Midland, Michigan 48642 United States of America	, 20				
this day Effective as of . Signature: Full Name: Residence: Country: Citizenship:	Duane R. Romer 4025 Lowell Court Midland, Michigan 48642 United States of America United States of America	, 20				
thisday Effective as of . Signature: Full Name: Residence: Country: Citizenship: P. O. Address:	Duane R. Romer 4025 Lowell Court Midland, Michigan 48642 United States of America United States of America Same as Residence	_, 20				
this day Effective as of . Signature: Full Name: Residence: Country: Citizenship:	Duane R. Romer 4025 Lowell Court Midland, Michigan 48642 United States of America United States of America	_, 20				

This Assignment [13] is in the ENGLISH begauge and has the same seeming in other languages with the same [13] author and R/Date.

•[13] •[ This Assignment 113 is in the ENGLISH language and has the same meaning in other languages with the same 113 number and R/Date

**FORM 113** 

Page two of two

Docket Ref. 63796 css

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

AU Freedort, Texas 7/541 USA	At: Midland, Michigan 48674 USA
this 22 day of 2004 2004	thisday of20
Effective as de June 16, 2004	Effective as of June 16, 2004
Signature: Duly ( Mur	
Full Name: Dames C. Stevens	Signature:
Residence 2026 Peacan Trail Drive	Full Name: Francis J. Timmers
Richmond, Texas 77469	Residence: 4605 Land Drive
Country: United States of America	Midiand, Michigan 48642
Citizenship: United States of America	Country: 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 June 16, 2004	this day of 20
Effective as of June 10, 2004	Effective as of June 16, 2004
Signature:	
Full Name: Hendrik E. Tuinstra	Signature:
Residence: 5103 Foster Road	Full Name: Paul C. Vosejpka
Midland, Michigan 48642	Residence: 706 East Chippewa River Road
Country: United States of America	Midland, Michigan 48640
Citizenship: United States of America	Country: 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:	At:
Signature:	
Full Name:	Signature:Full Name:
Residence:	Residence:
Country	residence.
Country: Citizenship:	Country:
P. O. Address;	Citizenship:
Employed By:	P. O. Address:
Of Country:	Employed By:
<del>-</del>	Of Country:
A+-	A+-
At:	At:thisday of20
unsZ0Z0	this day of 20
Signature:	Signature:
Full Name:	Full Name:
Residence:	Residence:
	A COLUMN OF THE PARTY OF THE PA
Country:	Country:
Citizenship:	Citizenship:
P. O. Address:	P. O. Address:
Employed By:	Employed By:
Of Country:	Of Country

FORM 222

Docket Ref. 63796 css

### NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland )	
On this 3 day of Williams before me,	, 20 04, personally appeared
known or identified to me to be the individual foregoing document and acknowledged the spurposes therein expressed.	same as a free act and deed for uses and
SEAL	Notary Public Carla S. Samuel  Notary Public, Bay County, Michigan Acting in Midland County, Michigan My Commission Expres October 10, 2005
NOTARIAL CERTIF	ICATE (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland )	
On this <u>and</u> day of <u>July</u> before me,	, 20_ <u>0</u> √, personally appeared
Richard E. known or identified to me to be the individual foregoing document and acknowledged the spurposes therein expressed.	
Althre	Notary Public  Melissa Leigh Van heter  Notary Public, Midland County, Michigan  My Commission Expires February 6, 2007
NOTARIAL CERTIFI	CATE (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland )	
On this 2 day of Cuguethefore me,	, 20 <u>0</u> , personally appeared
David known or identified to me to be the individual foregoing document and acknowledged the spurposes therein expressed.	ame as a free act and deed for uses and
OTLA	Carla I Samuel
SEAL	Notary Public

Carta S. Samuel
Notary Public, Bay County, Michigan
Acting in Midland County, Michigan
My Commiss on Expires Octob PA 105.NT

REEL: 029288 FRAME: 0553

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

Docket Ref. 63796 css

# NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland )	
On this 12 day of Quality before me,	, 20 Dt, personally appeared
Duane known or identified to me to be the individual foregoing document and acknowledged the superposes therein expressed.	R. Romer Il described in and who executed the ame as a free act and deed for uses and
SEAL	Carla & Samuel Notary Publica
	Notary Public Carla S. Samuel Notary Public, Bay County, Michigan Acting in Midland County, Michigan My Commission Express October 10, 2005
NOTARIAL CERTIFIC	CATE (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS County/Parish of Brazoria )	
On this $2 n^{d}$ day of $3 u y$	, 20 <u>) \underline</u> , personally appeared
James ( known or identified to me to be the individual foregoing document and acknowledged the sa purposes therein expressed.	C. Stevens I described in and who executed the une as a free act and deed for uses and
SEAL  MELISSA S. PEL  Notary Public  STATE OF TEXAS My Comm. Exp. 03-16	Notary Public
NOTARIAL CERTIFIC	CATE (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland )	
On this <u>A</u> day of <u>Cuacus</u>	, 20 <u>C</u> , personally appeared
Francis J mown or identified to me to be the individual oregoing document and acknowledged the sa ourposes therein expressed.	. Timmers described in and who executed the me as a free act and deed for uses and
•	Carla & Samuel
SEAL	Notary Public  Carla S. Samuel

Notary Public, Bay County, Michigan Acting in Midden: County, Michigan My Commission Expired October 10, 2005 PATENT REEL: 029288 FRAME: 0554 •

**FORM 221** 

Docket Ref. 63796

### NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) SS )
On this day of (\) before me,	, 2004, personally appeared
	Hendrik E. Tuinstra
known or identified to me to be to foregoing document and acknow purposes therein expressed.	he individual described in and who executed the ledged the same as a free act and deed for uses and
	Carla Is Lamuel
SEAL	Notary Public
	Carta S. Samuet Notary Public, Bay County, Michigan Acting in Midio 1 County Michigan My Commission Expres County 10, 2005
NOTARIA	AL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland On this day of day of before me,	SS  20 , personally appeared
	Paul C. Vosejpka
	ne individual described in and who executed the ledged the same as a free act and deed for uses and
	Carla & Samuel
SEAL	Notary Public
	Carta S. Samuet  Notary Public, Bay County, Michigan Acting in Midhard Sunty, Michigan My Commission Expressionate 10, 2005



PAGE 2

# 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.

2332072 8100V

101227862

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

AUTHENT 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 SRV 101227862 - 2332072 FILE

#### Certificate of Formation

at

### Dow Global Technologies LLC

This Certificate of Formation of Dow Global Technologies LLC has been duly executed and 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.§18-101</u>, <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 23 day of December, 2010.

Norcen D. Warrick

Authorized Representative

Moreempriarrick

# Delaware

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## 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 SRV 101227862 - 2332072 FILE

Certificate of Conversion
of
Dow Global Technologies Inc.
(a Delaware corporation)
to
Dow Global Technologies LLC
(a Delaware limited tiability 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:

- 1. The jurisdiction where the Corporation was first formed is Delaware.
- 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.

Hy: <u>Moreen D. Warrick</u>
Name: Noreen D. Warrick

Title: Secretary

PATENT REEL: 029288 FRAME: 0559

RECORDED: 11/13/2012