PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYA	NCE:	ASSIGNMENT		
CONVEYING PARTY DA	ATA	1		
		Name	Execution Date	
John R. Briggs			09/16/2008	
Jasson T. Patton			09/16/2008	
Peter M. Margl			09/16/2008	
Daryoosh Beigzadeh			09/16/2008	
RECEIVING PARTY DA	TA			
Name:	ow Global Te	chnologies LLC		
Street Address: 2	040 Dow Cen	ter		
City:	lidland			
State/Country:	/ICHIGAN			
Postal Code: 4	48674			
Property Type		3002719	Number	
Property Type Application Number:		3002719	Number	
	1	3002719	Number	
Application Number: CORRESPONDENCE D Fax Number:	0 ATA (979)238-	0878		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	979)238- sent via US M	0878 Nail when the fax attempt is un		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> Phone:	(979)238- sent via US M 979-238-3	0878 <i>Iail when the fax attempt is un</i> 3360		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> Phone: Email:	(979)238- (979)238- sent via US M 979-238-3 dpatton@	0878 <i>fail when the fax attempt is un</i> 3360 gdow.com		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> Phone: Email: Correspondent Name:	(979)238- (979)238- <i>sent via US M</i> 979-238-3 dpatton@ Darlene F	0878 <i>fail when the fax attempt is un</i> 3360 gdow.com Patton		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> Phone: Email:	(979)238- (979)238- <i>sent via US M</i> 979-238-3 dpatton@ Darlene F	0878 <i>fail when the fax attempt is un</i> 3360 gdow.com		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> Phone: Email: Correspondent Name: Address Line 1:	(979)238- (979)238- sent via US M 979-238-3 dpatton@ Darlene F 2301 N. E B-1211	0878 <i>fail when the fax attempt is un</i> 3360 gdow.com Patton		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	(979)238- sent via US M 979-238-3 dpatton@ Darlene F 2301 N. E B-1211 Freeport,	0878 <i>fail when the fax attempt is un</i> 3360 gdow.com Patton Brazosport Blvd		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	(979)238- (979)238- sent via US M 979-238-3 dpatton@ Darlene F 2301 N. E B-1211 Freeport, UMBER:	0878 <i>fail when the fax attempt is un</i> 3360 dow.com Patton Brazosport Blvd TEXAS 77541		

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source=66884_Inv_to_DGTL#page1.tif source=66884_Inv_to_DGTL#page2.tif source=66884_Inv_to_DGTL#page3.tif source=66884_Inv_to_DGTL#page4.tif source=66884_Inv_to_DGTL#page5.tif source=66884_Inv_to_DGTL#page6.tif source=66884_Inv_to_DGTL#page7.tif source=66884_Inv_to_DGTL#page8.tif Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date

Assumment 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. 66884

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I/we verily believe I an/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.

AN IMPROVED PROCESS FOR TELOMERIZATION OF BUTADIENE

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. 2040 Dow Center 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 "Assignce"); 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

Application No. 61/088,186	Filing Date	August 12, 2008	
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in country the United States of America

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; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent ... Filing Date

Application No.

in country

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 Assignee 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:

A	1-1-1	
	ichigan 48674, United States of America of September , 2008	At: Midland, Michigan 48674, United States of America
	August 12, 2008.	this 16 day of Acutember , 20 08
Enective as of 2	August 12, 2008.	Effective as of August 12, 2008.
Signature:(Jan R. Byn	Signature: Anon 7, Potton
Full Name: \	John R. Briggs///	Full Name: Jasson T. Patton
Residence:	1715 Sylvan Lane	Residence: 1302 Whitehall Street
	Midland, Michigan 48640	Midland, Michigan 48642
Country:	United States of America	Country: United States of America
Citizenship:	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
this <u>/6</u> day	tchigan 48674, United States of America of September , 20 08 August 12, 2008,	At: Midland, Michigan 48674, United States of America this 16 day of September, 2008 Effective as of August 12, 2008.
this <u>/6</u> day	of Septender : 2008	this 16 day of September , 2008
this <u>16</u> day Effective as of A	of Septender : 2008	this <u>16</u> day of <u>September</u> , 20 <u>08</u> Effective as of August 12, 2008.
this _/6 day Effective as of A Signature:	of <u>Septende</u> ; 20 <u>08</u> August 12, 2008; 2007	this <u>16</u> day of <u>September</u> , 20 <u>08</u> Effective as of August 12, 2008. Signature: <u>DBGcg2adel</u>
this <u>/6</u> day Effective as of A Signature: <u>f</u> . Full Name:	of September ; 20 08 August 12, 2008; Peter M. Margl	this <u>16</u> day of <u>September</u> , 20 <u>08</u> Effective as of August 12, 2008. Signature: <u>DBCQ 2adel</u> Full Name: Daryogsh Beigzadeh
this <u>/6</u> day Effective as of A Signature: <u>f</u> . Full Name:	of September 3, 20 08 August 12, 2008 Peter M. Margl 5010 Barto Street	this <u>16</u> day of <u>September</u> , 20 <u>08</u> Effective as of August 12, 2008. Signature: <u>DBCQ 2adel</u> Full Name: <u>Daryorsh Beigzadeh</u> Residence: <u>4007 Haskin Drive</u>
this <u>/6</u> day Effective as of / Signature: <u>/</u> . Full Name: Residence: Country: Citizenship:	of <u>Septendo</u> ; 20 <u>08</u> August 12, 2008, Peter M. Margl 5010 Barto Street Midland, Michigan 48640	this <u>16</u> day of <u>September</u> , 20 <u>08</u> Effective as of August 12, 2008. Signature: <u>DBCQ 2 a deln</u> Full Name: <u>Daryorsh Beigzadeh</u> Residence: <u>4007 Haskin Drive</u> <u>Midland, Michigan 48640</u>
this <u>/6</u> day Effective as of / Signature: <u>/</u> . Full Name: Residence: Country:	of <u>Septendo</u> ; 20 <u>08</u> August 12, 2008, Peter M. Margl 5010 Barto Street Midland, Michigan 48640 United States of America	this <u>16</u> day of <u>September</u> , 20 <u>08</u> Effective as of August 12, 2008. Signature: <u>DBGC9 2 a del</u> Full Name: Daryorsh Beigzadeh Residence: 4007 Haskin Drive Midland, Michigan 48640 Country: United States of America
this <u>/6</u> day Effective as of / Signature: <u>/</u> . Full Name: Residence: Country: Citizenship:	of <u>Septendo</u> ; 20 <u>08</u> August 12, 2008; Peter M. Margl 5010 Barto Street Midland, Michigan 48640 United States of America Austria	this <u>16</u> day of <u>September</u> , 20 <u>08</u> Effective as of August 12, 2008. Signature: <u>DBCQ 2 a dela</u> Full Name: Daryorsh Beigzadeh Residence: 4007 Haskin Drive Midland, Michigan 48640 Country: United States of America Citizenship: Canada and United States of America

() Additional names and signatures are attached.

FORM 221

Docket Ref. 66884

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland)) SS)	
On this day of	September	, 20 <u>18</u> , personally appeared

John R. Briggs

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.

limp Alotary

^c Jennifer S. Havercamp Notary public, bay county, Michigan Acting in Meliand Sounty, Michigan My commission expires May 12, 2012

SEAL

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)	
STATE OF MICHIGAN) SS	
County/Parish of Midland)	
On this 11th day of	plante	_20_08, personally appeared

Jasson T. Patton

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.

Notary Public

Jennifer S. Havercamp Notary Public, bay county, Michigan Acting in Midland County, Michigan My commission explaces may 12, 2012

SEAL

• 231 • 221

FORM 221

Docket Ref. 66884

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MICHIGAN SS County/Parish of Midland Sep , 20, personally appeared On this before me.

Peter M. Margl

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.

SEAL

Notaty Public Pennifer S. Havercamp NOTARY PUBLIC, BAY COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES MAY 12, 2012

NOTARIAL CERTIFICATE (INDIVIDUAL)

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

20_07, personally appeared On this before me.

SS

Daryoosh Beigzadeh

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.

tary Publi

Jerntifer S. Havercomp NOTARY PUBLIC, BAY COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES MAY 12, 2012

SEAL

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 INC. 2040 Dow Center Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: September 16, 2008, and September 16, 2008; effective as of August 12, 2008

From, the ASSIGNOR: John R. Briggs, 1715 Sylvan Lane, Midland, Michigan 48640, United States of America, Citizen of United Kingdom; Jasson T. Patton, 1302 Whitehall Street, Midland, Michigan 48642, United States of America, Citizen of United States of America; Peter M. Margl, 5010 Barto Street, Midland, Michigan 48640, United States of America, Citizen of Austria; and Daryoosh Beigzadeh, 2804 Scarborough Court, Midland, Michigan 48640, United States of America, Citizen of Canada

of the invention entitled:

AN IMPROVED PROCESS FOR TELOMERIZATION OF BUTADIENE

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 <u>20</u> day of <u>December</u> , 2010
CORP. SEAL By: <u>MM B. TCMM</u> JOHN B. TREANGEN Authorized Representative
NOTARIAL CERTIFICATE (Corporation)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of MIDLAND)
On this day of <u>Determinen</u> , 2010, personally appeared before me, JOHN B. TREANGEN, 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 Corporation incorporated under the laws of the State of Delaware, United States of America.

I further certify that said authority, dated July 31, 2009, is based on

A delegation of signature authority of said Corporation

which I have seen, appointing the said individual 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.

Mathey Suc Weit

Ka

Kathy Sue Harts NOTARY PUBLIC, MIDLAVS COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07 2012



Delaware

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.



Jeffrey W. Bullock, Secretary of State AUTHENT CATION: 8457755

DATE: 12-29-10

PATENT REEL: 026544 FRAME: 0036

101227862 You may verify this certificate online at corp.delaware.gov/authver.shtml

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P.2/3 State of Delaware State of felaware 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

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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 Del.C. \$18-101, ct seq.).

1. The name of the limited liability company is:

Dow Global Technologies LLC

- The address of the limited liability company's registered office in the State of 2. 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 3. 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Dow Global Technologics LLC this 23 day of December, 2010.

Noreen Marrick

Noreen D. Warrick Authorized Representative

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

Jeffrey W. Bullock, Secretary of State AUTHENTICATION: 8457755

DATE: 12-29-10

P.3/3

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:

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

2. The jurisdiction immediately prior to filing this Certificate is Delaware.

3. 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 $\frac{23^{12}}{23}$ day of December, 2010.

Dow Global Technologies Inc.

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

Name: Noreen D. War Title: Secretary

RECORDED: 07/05/2011