### PATENT ASSIGNMENT

### Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY DATA						
	Ν	lame	Execution Date			
Aleksander J. Pyzik			11/13/2006			
Robert A. Newman 11/14/2006			11/14/2006			
RECEIVING PARTY DAT	ΓΑ					
Name:	Dow Global Technolo	gies LLC				
Street Address:	2040 Dow Center					
City:	Midland					
State/Country:	MICHIGAN					
Postal Code:	48674					
PROPERTY NUMBERS Total: 1						
Property Ty	pe	Number				
Application Number. 118738		337				
CORRESPONDENCE D	ATA					
Fax Number:	(989)636-3237					
Phone:	9896361555					
Email:	ajlanphierd@dow.com					
Correspondence will be s Mail.	sent to the e-mail addr	ess first; if that is unsuccessful, it will be sent via L	<i>'S</i>			
Correspondent Name:	Amy J Lanphier	ł	€			
Address Line 1:	2040 Dow Center					
Address Line 4:	Midland, MICHIGAN 48674					
ATTORNEY DOCKET NUMBER:		64645A US NP				
NAME OF SUBMITTER:		Amy J Lanphierd				
Total Attachments: 6 source=64645A US NP 20120413 KJN Inventors to DGTL#page1.tif source=64645A US NP 20120413 KJN Inventors to DGTL#page2.tif source=64645A US NP 20120413 KJN Inventors to DGTL#page3.tif source=64645A US NP 20120413 KJN Inventors to DGTL#page4.tif source=64645A US NP 20120413 KJN Inventors to DGTL#page5.tif source=64645A US NP 20120413 KJN Inventors to DGTL#page6.tif						

FORM 110 (R 5/97)

## 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 METHOD OF BONDING ALUMINUM-BORON-CARBON COMPOSITES

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 hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

#### **Dow Global Technologies Inc.** Washington Street, 1790 Building

Midland, Michigan 48674

a corporation organized and existing under the laws of **Delaware** (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 Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
60/852,500	October 18, 2006	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 nominec(s)) to *insert here any corresponding equivalent Application Number, Filing Date, and Filing County* 

Application Number	Filing Date	Filing 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:

At: Midland, Michigan 48674, USA	At: Midland, Michigan 48674, USA	
this 13 day of Nover Dep , 20 °C	this 14th day of Nortember 2006	
Effective as of October 18, 2006	Effective as of October 18, 2006	
Ken / 1 ×	Delin	
Signature:	Signature: KILLIT & March 1	
Full Name: Aleksander J. Pyzik	Full Name, Robert A. Newman	
Residence: /3012 Scarborough Lane	Residence: 218 Wanetah Drive	
Midland, Michigan 48640	Midland, Michigan 48640	
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	
At:		
this day of , 20		
, 20, 20	this day of, 20	
Signature:	Signature:	
Full Name:	Full Name:	
Residence:	Residence:	
	ixesidence,	
Country:	Country:	
Citizenship:	Citizenship:	
P.O. Address: Same as residence	P.O. Address: Same as residence	
Employed By:	Employed By:	
Of Country:	Of Country:	

() Additional names and signatures are attached.

s Assignment 220 is in the ENGLISH fanguage and has the same meaning	*220*220*220*220*220*220*220*220*220*22	

FORM 220

11

# NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland ) Abvenibi 13 , 2000, personally appeared before me, On this dav of Aleksander J. Pyzik 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 BRENDA ... MAIDA NOTARY PUBLIC, STATE OF M COUNTY OF GLADWIN MY COMMISSION EXPIRES May 10, 2012 ACTING IN THE COUNTY OF MIDLAND NOTARIAL CERTIFICATE (Individual) UNITED STATES OF AMERICA STATE OF MICHIGAN SS ) County/Parish of Midland ) On this  $|\mathcal{U}|$ , personally appeared before me,

Robert A. Newman

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

BRENDA J. MAIL NOTARY PUBLIC, STATE OF MI COUNTY OF GLADWIN MY COMMISSION EXPIRES May 10, 201. ACTING IN THE COUNTY OF MIDLAN

### NOTARIAL CERTIFICATE (Individual)

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

On this \_\_\_\_\_ day of \_

\_\_, 20\_\_\_\_, personally appeared before me,

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

PATENT REEL: 028042 FRAME: 0334

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.



2332072

101227862

Jeffrey W. Bullock, Secretary of State AUTHENTICATION: 8457755

DATE: 12-29-10

PATENT REEL: 028042 FRAME: 0335

State of Delaware Secretary of State Division of Corporations Delivered 10:40 AN 12/23/2010 FILED 10:40 AN 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 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.</u>§18-101, <u>cf scg.</u>).

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 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.
- 3. The effective date for the formation of this limited Hability 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.

Novembranick.

Norcen 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 DELAMARE CORPORATION UNDER THE NAME OF "DON GLOBAL TECHNOLOGIES INC." TO A DELANARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "DOW GLOBAL TECHNOLOGIES INC. " TO "DOW GLOBAL TECHNOLOGIES LLC", FILED IN THIS OFFICE ON THE IWENTY-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

101227862

jeffrey W. Bullock, Secretary of State AUTHENTYCA TION: 8457755

DATE: 12-29-10

PATENT REEL: 028042 FRAME: 0337

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 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.

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<sup>cd</sup> day of December, 2010.

Dow Global Technologies Inc.

Hy: Warrick

Name: Noreen D. Warrick Title: Secretary

**RECORDED: 04/13/2012**