

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3273378

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MAX M. TIRTOWIDJOJO	01/09/2013
HUA BAI	01/09/2013
VICTOR E. MCMURRAY	03/16/2013
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:	14429594
CORRESPONDENCE DATA	
Fax Number:	(866)496-6981
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	651-760-3250
Email:	lisa@ksjlaw.com
Correspondent Name:	KSJLAW, LLC
Address Line 1:	P.O. BOX 517
Address Line 4:	WILLERNIE, MINNESOTA 55090
ATTORNEY DOCKET NUMBER:	71139-US-PCT
NAME OF SUBMITTER:	LISA D. GENTRY
SIGNATURE:	/Lisa D. Gentry/
DATE SIGNED:	03/19/2015
Total Attachments: 4	
source=71139-US-PCT DGT042US Inventors to DGTL#page1.tif	
source=71139-US-PCT DGT042US Inventors to DGTL#page2.tif	
source=71139-US-PCT DGT042US Inventors to DGTL#page3.tif	
source=71139-US-PCT DGT042US Inventors to DGTL#page4.tif	

This Assignment 110 in the EPOLISH language and has the same meaning to other languages with the same 110 number and R-Date

This Assignment 110 in the EPOLISH language and has the same meaning to other languages with the same 110 number and R-Date

FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verify 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: **WEIR QUENCH AND PROCESSES INCORPORATING THE SAME**

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 LLC
2040 Dow Center
Midland, Michigan 48674

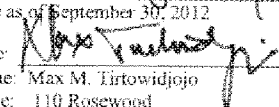
a Limited Liability Company organized and existing under the laws of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when 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
61/707,994	September 30, 2012	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.

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:

<p style="text-align: center;"><i>Free got TX 77541</i></p> <p>At: <u>Midland, Michigan 48674 USA</u> this <u>7th</u> day of <u>January</u>, 20 <u>12</u> Effective as of September 30, 2012</p> <p>Signature:  Full Name: <u>Max M. Tirtowidjojo</u> Residence: <u>110 Rosewood</u> <u>Lake Jackson, Texas 77566</u> Country: <u>United States of America</u> Citizenship: <u>United States of America</u> P.O. Address: <u>Same as Residence</u> Employed By: <u>The Dow Chemical Company</u> Of Country: <u>United States of America</u></p>	<p>At: _____ this _____ day of _____, 20____ Effective as of September 30, 2012</p> <p>Signature: _____ Full Name: <u>Hua Bai</u> Residence: <u>155 Indian Warrior</u> <u>Lake Jackson, Texas 77566</u> Country: <u>United States of America</u> Citizenship: <u>People's Republic of China</u> P.O. Address: <u>Same as Residence</u> Employed By: <u>The Dow Chemical Company</u> Of Country: <u>United States of America</u></p>
<p>At: _____ this _____ day of _____, 20____ Effective as of September 30, 2012</p> <p>Signature: _____ Full Name: <u>Victor E. McMurray</u> Residence: <u>17938 Augusta Pointe Ct.</u> <u>Baton Rouge, Louisiana 70810</u> Country: <u>United States of America</u> Citizenship: <u>United States of America</u> P.O. Address: <u>Same as Residence</u> Employed By: <u>The Dow Chemical Company</u> Of Country: <u>United States of America</u></p>	<p>At: _____ this _____ day of _____, 20____ Effective as of September 30, 2012</p> <p>Signature: _____ Full Name: _____ Residence: _____ Country: _____ Citizenship: _____ P.O. Address: _____ Employed By: _____ Of Country: _____</p>

() Additional names and signatures are attached.

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verify 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: **WEIR QUENCH AND PROCESSES INCORPORATING THE SAME**

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 LLC
2040 Dow Center
Midland, Michigan 48674

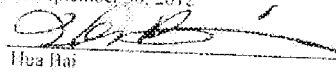
a Limited Liability Company organized and existing under the laws of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications, when 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 Conventions 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
61/707,904	September 30, 2012	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.

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 recording 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: <u>Midland, Michigan 48674 USA</u>	At: <u>Freeport, Texas</u>
this <u> </u> day of <u> </u> , 20 <u> </u>	this <u>9th</u> day of <u>January</u> , 20 <u>13</u>
Effective as of <u>September 30, 2012</u>	Effective as of <u>September 30, 2012</u>
Signature: _____	Signature: 
Full Name: <u>Max M. Tirtowidjojo</u>	Full Name: <u>Hua Hai</u>
Residence: <u>110 Rosewood Lake Jackson, Texas 77566</u>	Residence: <u>155 Indian Warrior Lake Jackson, Texas 77566</u>
Country: <u>United States of America</u>	Country: <u>United States of America</u>
Citizenship: <u>United States of America</u>	Citizenship: <u>People's Republic of China</u>
P.O. Address: <u>Same as Residence</u>	P.O. Address: <u>Same as Residence</u>
Employed By: <u>The Dow Chemical Company</u>	Employed By: <u>The Dow Chemical Company</u>
Of Country: <u>United States of America</u>	Of Country: <u>United States of America</u>

At: <u>Midland, Michigan 48674 USA</u>	At: <u>Freeport, Texas</u>
this <u> </u> day of <u> </u> , 20 <u> </u>	this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of <u>September 30, 2012</u>	Effective as of <u>September 30, 2012</u>
Signature: _____	Signature: _____
Full Name: <u>Victor E. Memurray</u>	Full Name: _____
Residence: <u>17938 Augusta Pointe Ct Baton Rouge, Louisiana 70810</u>	Residence: _____
Country: <u>United States of America</u>	Country: _____
Citizenship: <u>United States of America</u>	Citizenship: _____
P.O. Address: <u>Same as Residence</u>	P.O. Address: _____
Employed By: <u>The Dow Chemical Company</u>	Employed By: _____
Of Country: <u>United States of America</u>	Of Country: _____

At: <u>Midland, Michigan 48674 USA</u>	At: <u>Freeport, Texas</u>
this <u> </u> day of <u> </u> , 20 <u> </u>	this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of <u>September 30, 2012</u>	Effective as of <u>September 30, 2012</u>
Signature: _____	Signature: _____
Full Name: <u>Victor E. Memurray</u>	Full Name: _____
Residence: <u>17938 Augusta Pointe Ct Baton Rouge, Louisiana 70810</u>	Residence: _____
Country: <u>United States of America</u>	Country: _____
Citizenship: <u>United States of America</u>	Citizenship: _____
P.O. Address: <u>Same as Residence</u>	P.O. Address: _____
Employed By: <u>The Dow Chemical Company</u>	Employed By: _____
Of Country: <u>United States of America</u>	Of Country: _____

At: <u>Midland, Michigan 48674 USA</u>	At: <u>Freeport, Texas</u>
this <u> </u> day of <u> </u> , 20 <u> </u>	this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of <u>September 30, 2012</u>	Effective as of <u>September 30, 2012</u>
Signature: _____	Signature: _____
Full Name: _____	Full Name: _____
Residence: _____	Residence: _____
Country: _____	Country: _____
Citizenship: _____	Citizenship: _____
P.O. Address: _____	P.O. Address: _____
Employed By: _____	Employed By: _____
Of Country: _____	Of Country: _____

() Additional names and signatures are attached.

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and date.

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and date.

FORM 110 (R 5/97)

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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 LLC
2040 Dow Center
Midland, Michigan 48674

a Limited Liability Company 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
61/707,994	September 30, 2012	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.

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Subscribed and Declared by me/us:

At: <u>Midland, Michigan 48674 USA</u>
this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of September 30, 2012
Signature: _____
Full Name: <u>Max M. Tirtowidjojo</u>
Residence: <u>110 Rosewood</u> <u>Lake Jackson, Texas 77566</u>
Country: <u>United States of America</u>
Citizenship: <u>United States of America</u>
P.O. Address: <u>Same as Residence</u>
Employed By: <u>The Dow Chemical Company</u>
Of Country: <u>United States of America</u>

At: _____
this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of September 30, 2012
Signature: _____
Full Name: <u>Hua Bai</u>
Residence: <u>155 Indian Warrior</u> <u>Lake Jackson, Texas 77566</u>
Country: <u>United States of America</u>
Citizenship: <u>People's Republic of China</u>
P.O. Address: <u>Same as Residence</u>
Employed By: <u>The Dow Chemical Company</u>
Of Country: <u>United States of America</u>

At: <u>PLaquemine, LA 70765 USA</u>
this <u>16th</u> day of <u>March</u> , 20 <u>13</u>
Effective as of September 30, 2012
Signature: <u>Victor E. McMurray</u>
Full Name: <u>Victor E. McMurray</u>
Residence: <u>17938 Augusta Pointe Ct.</u> <u>Baton Rouge, Louisiana 70810</u>
Country: <u>United States of America</u>
Citizenship: <u>United States of America</u>
P.O. Address: <u>Same as Residence</u>
Employed By: <u>The Dow Chemical Company</u>
Of Country: <u>United States of America</u>

At: _____
this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of September 30, 2012
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

() Additional names and signatures are attached.

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: January 9, 2013 and March 16, 2013, respectively

From, the ASSIGNOR: Max M. Tirtowidjojo, 110 Rosewood, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; Hua Bai, 155 Indian Warrior, Lake Jackson, Texas 77566, United States of America, Citizen of People's Republic of China; and Victor E. Memmurray, 17938 Augusta Pointe Ct., Baton Rouge, Louisiana 70810, United States of America, Citizen of United States of America

of the invention entitled:

WEIR QUENCH AND PROCESSES INCORPORATING THE SAME

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 27 day of June, 20 13

CORP.
SEAL

DOW GLOBAL TECHNOLOGIES LLC

By: Susan M Zerull
SUSAN M. ZERULL
Authorized Representative

NOTARIAL CERTIFICATE

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

On this 27 day of June, 20 13, 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 entity organized and existing under the laws of the State of Delaware, United States of America.

I further certify that said authority, dated June 1, 2012, is based on
A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Wertz
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES APRIL 07, 2018