

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5276537

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LEONARDO C. LOPEZ	02/04/2016
SUSAN M. ZERULL	02/04/2016
JAMES J. O'BRIEN	02/04/2016
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:	15768796
CORRESPONDENCE DATA	
Fax Number:	(303)629-3450
<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:	3036293400
Email:	docketing-dv@dorsey.com
Correspondent Name:	DORSEY & WHITNEY, LLP
Address Line 1:	1400 WEWATTA STREET
Address Line 2:	SUITE 400
Address Line 4:	DENVER, COLORADO 80202-5549
ATTORNEY DOCKET NUMBER:	P267665.WO-US.01
NAME OF SUBMITTER:	LINETTE ELLIOTT
SIGNATURE:	/LINETTE ELLIOTT/
DATE SIGNED:	12/11/2018
Total Attachments: 3	
source=P267665.WO.US.01 Assignment#page1.tif	
source=P267665.WO.US.01 Assignment#page2.tif	
source=P267665.WO.US.01 Assignment#page3.tif	

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

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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: **PHOTOVOLTAIC ELEMENTS INCLUDING DRAINAGE ELEMENTS**

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
United States of America

an entity organized and existing under the laws of the state 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, 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
62/243,294	October 19, 2015	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:

At: <u>Midland, Michigan 48674 USA</u>
this <u>4th</u> day of <u>February</u> , 20 <u>16</u>
Effective as of <u>October 19, 2015</u>
Signature:
Full Name: <u>Leonardo C. Lopez</u>
Mailing Address: <u>1381 Building</u> <u>Midland, Michigan 48667</u> <u>United States of America</u>

At: <u>Midland, Michigan 48674 USA</u>
this _____ day of _____, 20____
Effective as of <u>October 19, 2015</u>
Signature: _____
Full Name: <u>Susan M. Zerull</u>
Mailing Address: <u>2030 Dow Center</u> <u>Midland, Michigan 48674</u> <u>United States of America</u>

At: <u>Midland, Michigan 48674 USA</u>
this _____ day of _____, 20____
Effective as of <u>October 19, 2015</u>
Signature: _____
Full Name: <u>James J. O'Brien</u>
Mailing Address: <u>Washington Street, 1776 Bldg.</u> <u>Midland, Michigan 48674</u> <u>United States of America</u>

At: _____
this _____ day of _____, 20____
Effective as of _____
Signature: _____
Full Name: _____
Mailing Address: _____

At: _____
this _____ day of _____, 20____
Effective as of _____
Signature: _____
Full Name: _____
Mailing Address: _____

At: _____
this _____ day of _____, 20____
Effective as of _____
Signature: _____
Full Name: _____
Mailing Address: _____

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FORM 110 (R 5897)

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: **PHOTOVOLTAIC ELEMENTS INCLUDING DRAINAGE ELEMENTS**

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 held 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
United States of America

an entity organized and existing under the laws of the state 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
62/243,294	October 19, 2015	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: Midland, Michigan 48674 USA
 this _____ day of _____, 20____
 Effective as of October 19, 2015

Signature: _____
 Full Name: Leonardo C. Lopez
 Mailing Address: 1381 Building
Midland, Michigan 48667
United States of America

At: Midland, Michigan 48674 USA
 this 24th day of Feb, 2016
 Effective as of October 19, 2015

Signature: _____
 Full Name: Susan M. Zerull
 Mailing Address: 2030 Dow Center
Midland, Michigan 48674
United States of America

At: Midland, Michigan 48674 USA
 this _____ day of _____, 20____
 Effective as of October 19, 2015

Signature: _____
 Full Name: James J. O'Brien
 Mailing Address: Washington Street, 1776 Bldg
Midland, Michigan 48674
United States of America

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____

