#### 503534890 10/22/2015

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

EPAS ID: PAT3581517

#### **CONVEYING PARTY DATA**

Name	Execution Date
JAMES R. KEENIHAN	02/05/2014
LEONARDO C. LOPEZ	02/11/2014
KWANHO YANG	02/24/2014
JOSEPH A. LANGMAID	02/11/2014

### **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:	14786083

### **CORRESPONDENCE DATA**

Fax Number: (248)292-2910

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.

2482922920 Phone:

Email: SERLA@PATENTCO.COM **Correspondent Name:** DANIEL P. ALEKSYNAS

Address Line 1: 29 W. LAWRENCE STREET, STE. 210

Address Line 4: PONTIAC, MICHIGAN 48342

ATTORNEY DOCKET NUMBER:	74454-US-PCT (1062.203)
NAME OF SUBMITTER:	DANIEL P. ALEKSYNAS
SIGNATURE:	/DANIEL P. ALEKSYNAS/
DATE SIGNED:	10/22/2015

### **Total Attachments: 4**

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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: SUPPORT STRUCTURE FOR SOLAR MODULE

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

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

t mile Country	1
61/020 600	
61/829,680 May 31, 2013 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: Midiand, Michigan 48674 USA	At:
this day of February, 20 14	this
Effective as of May 31, 2013	Effective
Signature: Full Name: James R. Keenihan Residence: 600 N. Shady Lane	Signatur Full Nar
Midland, Michigan 48640	Residen
Country: United States of America	Country
Citizenship: United States of America	Citizensl
P.O. Address: Same as Residence	P.O. Add
Employed By: The Dow Chemical Company	Employe
Of Country: United States of America	Of Coun

At;	Midland, Michigar	n 48674 USA
this	day of	, 20
Effective	as of May 31, 2013	
Signature	×	
Full Nan	e: Kwanho Yang	
	e: 517 Stillmeadow Lane	
	Midland, Michigan 48	3642
Country:	United States of America	
Citizensh	ip: United States of Ameri	ca
	ress: Same as Residence	
Employe	d By: The Dow Chemical	Company
Of Count	ry: United States of Amer	ica

ALC:	Midiand, Michigan 486	/4 USA
this	day of	, 20
Effective	as of May 31, 2013	***************************************
Signature	:	
Full Nam	e: Leonardo C. Lopez	
Residence	e: 4200 Brambleridge	
	Midland, Michigan 48640	
Country:	United States of America	
Citizensh	ip: United States of America	
P.O. Add	ress: Same as Residence	
Employed	By: The Dow Chemical Compa	any
Of Count	ry: United States of America	•

At:	Midland, Michigan 486	74 USA
this	day of	, 20
Effective	as of May 31, 2013	
Signature	-	
Full Nam	e: Joseph A. Langmaid	**************************************
Residence	: 1396 Riley Road	
	Caro, Michigan 48723	
Country:	United States of America	
Citizensh	ip: United States of America	
	ress: Same as Residence	
Employed	By: The Dow Chemical Comp.	any
	y: United States of America	•

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	Priority Number	Filing Date	475.4 x 275	1
- 1		4 143115 LYGGL	Filing Country	
- 1	61/829.680	May 31, 2013	** : *	ŧ
- 1		**************************************	United States of America	í

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:	Midland, Michigan 48674 1	JSA	At: Midland
this	day of	, 20	this 11/4 day/0f
Effective a	as of May 31, 2013		Effective as of May 31, 20
Signature:			Signature: Heur
Full Name	: James R. Keenihan		Full Name: Leonardo C.
Residence:	: 600 N. Shady Lane	1	Residence: 4200 Brambk
	Midland, Michigan 48640		Midland, Mic
Country: 1	United States of America		Country: United States of
Citizenship	p: United States of America	ĺ	Citizenship: United States
P.O. Addre	ess: Same as Residence		P.O. Address: Same as Re
Employed	By: The Dow Chemical Company		Employed By: The Dow
Of Country	y: United States of America		Of Country: United State

At:	Midland, Michiga	ın 48674 USA
this	day of	, 20
Effective as	of May 31, 2013	
Signature:		
Full Name:	Kwanho Yang	
Residence:	517 Stillmeadow Land	<u> </u>
ĺ	Midland, Michigan 4	8642
Country: Ur	nited States of America	
Citizenship:	United States of Amer	ica
P.O. Addres	s: Same as Residence	
	By: The Dow Chemical	
Of Country:	United States of Ame	rica

At:		Midlan	d, Michiga	n 48674 '	USA	
this	11/4	day/0f	Febru	HRIY	, 20 14	
Effecti	ve as of	May 31, 1	2013/ [	7 7		
Signatu		Heur		Ø		
Full Na	me: Le	onardo C.	Lopez/			******
Resides	ice: 420	00 Bramb	leridge			
	Mi	dland, Mi	ichigan 48	640		
Country	y: Unite	1 States o	f America			
Citizen	ship: Un	ited State	s of Ameri	ca		
P.O. Ac	idress:	Same as I	Residence			
Employ	ed By:	The Dow	Chemical	Company		
Of Cou	ntry: U	nited State	es of Amer	ica		

At: Midland, Michigan 4	48674 USA
this day of	, 20
Effective as of May 31, 2013	Value de
Signature:	
Full Name: Joseph A. Langmaid	######################################
Residence: 1396 Riley Road	
Caro, Michigan 48723	
Country: United States of America	
Citizenship: United States of America	
P.O. Address: Same as Residence	
Employed By: The Dow Chemical Co	mpany
Of Country: United States of America	

FORM 110 (8.5/97)

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Dow Global Technologies LLC

2040 Dow Center

Midland, Michigan 48674

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 Connery	
£1/6/20 COD	1421.2012		
0104,0400	May 31, 2013	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 fitigation 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: Midland, Michigan 48674 USA	At: Midland, Michigan 48674 USA
his day of, 20	this day of . 20
Effective as of May 31, 2013	Effective as of May 31, 2013
ignature:	Signature:
ull Name: James R. Keenihan	Full Name: Leonardo C. Lopez
Residence: 600 N. Shady Lane	Residence: 4200 Brambleridge
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: Midland, Michigan 48674 USA	At: Midland, Michigan 48674 USA
this 24th day of Tebruary, 20 14	this day of . 20
Effective as of May 31, 2013	Effective as of May 31, 2013
Signature: Kevansler Uprit	Signature:
Full Name: Kwanho Yang	Full Name: Joseph A. Langmaid
Residence: 517 Stillmeadow Lane	Residence: 1396 Riley Road
Midland, Michigan 48642	Caro, Michigan 48723
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 Assignment 119 is in the ENGLISH language and has the same meaning in other tanguages with the same 110 number and R/D:

FORM 110 (R 5/97)

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Priority Number	Filing Date	Filing Country	
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91/943/990	May 31, 2013	United States of America	

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Subscribed and Declared by me/us:

At:	Midland, Michigan 4	18674 USA
this	day of	, 20
Effective as	of May 31, 2013	
Signature:		
Full Name:	James R. Keenihan	
Residence:	600 N. Shady Lane	
	Midland, Michigan 4864	Ю
Country: U	nited States of America	
Citizenship	: United States of America	
P.O. Addres	ss: Same as Residence	
Employed I	By: The Dow Chemical Co	ompany
Of Country	United States of America	L .

At:	Midland, Michigan	48674 USA
this	day of	, 20
Effective	as of May 31, 2013	
Signature	·	
Full Nam	e: Kwanho Yang	<u> </u>
Residenc	e: 517 Stillmeadow Lane	
	Midland, Michigan 48	642
Country:	United States of America	
Citizensh	ip: United States of Americ	a
P.O. Add	ress: Same as Residence	
Employee	By: The Dow Chemical C	Company
Of Count	ry: United States of Ameri	ca

At:	Midland, Michigan 48674	4 USA
this	day of	, 20
Effective	e as of May 31, 2013	
Signatur		
1 ~		
Fuil Nan	ne: Leonardo C. Lopez	
Residenc	e: 4200 Brambleridge	
	Midland, Michigan 48640	
Country:	United States of America	
Citizensl	nip: United States of America	
P.O. Add	lress: Same as Residence	
Employe	d By: The Dow Chemical Compar	ny
Of Coun	try: United States of America	

At: Midland, Mi	chigan 48674 US	A
this // day of /-	<i>e.b.</i>	,20 /4
Effective as of May 31, 2013	1	
Signature:	1 Land	1
Full Name: Joseph K. Langm	aid /	
Residence: 1396 Riley Road		
Caro, Michigan	18723	
Country: United States of Am	erica	
Citizenship: United States of a	America	
P.O. Address: Same as Resid	ence	
Employed By: The Dow Che	mical Company	
Of Country: United States of	America	

PATENT REEL: 036855 FRAME: 0177

**RECORDED: 10/22/2015**