PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

sion v1.1 EPAS ID: PAT3979612

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SETH B. DARLING	06/17/2016
OMAR DANIEL LOPEZ	06/23/2016

RECEIVING PARTY DATA

Name:	U.S. Department of Energy
Street Address:	1000 Independence Avenue, S.W.
Internal Address:	GC-62, 6F-048
City:	Washington
State/Country:	DISTRICT OF COLUMBIA
Postal Code:	20585-0162

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15194983

CORRESPONDENCE DATA

Fax Number: (202)586-7127

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.

Phone: 202-586-2810

Email: katherine.baldwin@hg.doe.gov

Correspondent Name: KATHERINE BALDWIN

Address Line 1: 1000 INDEPENDENCE AVENUE, S.W.

Address Line 2: GC-62, 6F-048

Address Line 4: WASHINGTON, D.C. 20585-0162

ATTORNEY DOCKET NUMBER:	S-127,443
NAME OF SUBMITTER:	KATHERINE BALDWIN
SIGNATURE:	/Katherine Baldwin/
DATE SIGNED:	07/27/2016

Total Attachments: 4

source=S-127443-ExecutedAssignment#page1.tif source=S-127443-ExecutedAssignment#page2.tif source=S-127443-ExecutedAssignment#page3.tif

PATENT 503932958 REEL: 039265 FRAME: 0922

source = S-127443- Executed Assignment #page 4.t if

PATENT REEL: 039265 FRAME: 0923

U.S. Department of Energy Patent Assignment Form

Whereas, I/we, Seth B. Darling, Omar Daniel Lopez

have invented certain new and useful improvements in :

Adaptive Light Management in Solar Cells

, for which I/we have/will file an application for United States Letters Patent, identified

as: S-127,443

and:

WHEREAS, the Government of the United States desires to acquire the entire right, title, and interest in and to said invention and in and to any Letters Patent wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that good and valuable consideration, the receipt of which is hereby acknowledged, we by these presents do sell, assign, and transfer unto the said Government of the United States, as represented by the United States Department of Energy, and/or its assigns, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patent wherever they may be granted thereon as well as reissues and extensions of said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by us had this assignment not been made.

I/We agree to make, execute, and deliver unto the Government of the United States, or to the United States Department of Energy, any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, terms and contents as may be required by the United States Department of Energy, or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after the issuance of any Letters thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved and we agree that we will encounter or in which they may become involved and we agree that we will aid the Government of the United States in every way in protecting the inventions as may be requested by the United States Department of Energy or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

Further, I/We hereby authorize and request the Government of the United States to insert into this assignment the filing date and application number of said application when known.

Inventor:		
Full name of Inventor:	Seth B. Darling	
Inventor's signature:	2	Date 4/17/10
Address:		
Witness to Signature	:	'
Full name of Witness:	Pierre Darancet	
	-	
Witness' Signature:	12.5	Date <u>4/17/16</u>
Assignment to DOE regardin	ng: S-127,443	
Adaptive Light Managemen	t in Solar Cells	
<u></u>		
Inventor:		
Full name of Inventor:	Omar Daniel Lopez	
Inventor's signature:		Date
Address:		
Witness to Signature		
Full name of Witness:		
,		
Witness' Signature:		Date
Assignment to DOE regardin	g: S-127,443	

Adaptive Light Management in Solar Cells

Inventor:		
Full name of Inventor:	Seth B. Darling	
Inventor's signature:		Date
Address:		
Witness to Signature:		
Full name of Witness:		
Witness' Signature:		Date
Assignment to DOE regarding	g: 5-127,443	
Adaptive Light Management	in Solar Cells	
Inventor:		
Full name of Inventor:	Omar Daniel Lopez	
Inventor's signature:	7000	Date 6/23/16
Address:	480 Nl. Mc Clung ch., Ch	icago DC
Witness to Signature:		,
Full name of Witness:	RALU DIVAN	
	70720 2077	
	Λ.	
Witness' Signature:	Lleren	Date 6 23 16
Assignment to DOE regarding	g: 5-127,443	

Adaptive Light Management in Solar Cells

Contractor Approval	and Concent:
, ·	and Consent.
Full Name:	Mark D. Hilliard
Signature:	Date 6/24/2016
Title:	Chief Patent Coiunsel
Organization:	UChicago Argonne, LLC Operator of
	Argonne National Laboratory
Witness to Signature):
Full name of Witness:	Debbie J. Krakowski
Witness' Signature:	lethie Killer & Date 6/24/2016
Assignment to DOE regardir	ng: S-127,443
Adaptive Light Managemen	
Government Accepta	ince;
Accepted for the Bene	fit of the Government of the United States.
Full Name:	John T. Lucas
Signature:	Date 7/11/246
Title:	Asst. General Coursel for Technology Transfer & Intellectual Property
 Witness to Signature	
Full name of Witness:	
Witness' Signature:	Date 7-11-2016
Acceptance of assignment to	
Adaptive Light Managemen	t in Solar Cells