PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5001002

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JULIANNE FRANCES HAUGH	12/18/2015
BRIAN KUHN	12/18/2015
ERIC ROESINGER	12/18/2015

RECEIVING PARTY DATA

Name:	SUNPOWER CORPORATION	
Street Address:	77 RIO ROBLES	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95134	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16005206

CORRESPONDENCE DATA

Fax Number: (571)222-6521

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: 571-222-6520

Email: admin@grassoip.com, vromme@grassoip.com

Correspondent Name: GRASSO PLLC

Address Line 1: 1818 LIBRARY STREET

Address Line 2: SUITE 500

Address Line 4: RESTON, VIRGINIA 20190

ATTORNEY DOCKET NUMBER:	S1163US1
NAME OF SUBMITTER:	FRED GRASSO
SIGNATURE:	/Fred Grasso/
DATE SIGNED:	06/11/2018

Total Attachments: 5

source=S1163US1_Assignment_JFH_BK_ER_12-18-15#page1.tif source=S1163US1_Assignment_JFH_BK_ER_12-18-15#page2.tif source=S1163US1_Assignment_JFH_BK_ER_12-18-15#page3.tif

PATENT 504954255 REEL: 046047 FRAME: 0085

 $source = S1163US1_Assignment_JFH_BK_ER_12-18-15\#page4.tif\\ source = S1163US1_Assignment_JFH_BK_ER_12-18-15\#page5.tif$

PATENT REEL: 046047 FRAME: 0086

Attorney Docket No.: S1163 US

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Miles Bintz, Patrick L. Chapman, Jonathan L. Ehlmann, Julianne Frances Haugh, Dale Herman, Brian Kuhn, Kelly Mekechuk and Eric Roesinger

hereby sell, assign, and transfer to:

SunPower Corporation

a corporation of Delaware, having a principal place of business at 77 Rio Robles, San Jose, CA 95134 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent entitled:

PHOTOVOLTAIC MANAGEMENT AND MODULE-LEVEL POWER ELECTRONICS

which is filed concurrently herewith and/or filed on 10/09/2015 and afforded application number 14/880,143

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below, and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers;

communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and

generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Page 1 of 5

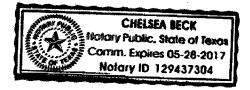
Miles Bintz Round Rock, TX	Andrew - the second of the sec	
STATE OF		
COUNTY OF		
State, personally appeared _ proved to me on the basis of to the within instrument and	satisfactory evidence) to acknowledged to me that to by his/her signature on t	, Notary Public in and for said personally known to me (or be the person whose name is subscribed the/she executed the same in his/her the instrument the person, or the entity instrument.
WITNESS my hand	and official seal.	
Signature		
Patrick L. Chapman Austin, TX	- Array - years Man - years Man - years	
STATE OF		
COUNTY OF		
State, personally appeared _ proved to me on the basis of to the within instrument and	satisfactory evidence) to acknowledged to me that by his/her signature on t	, Notary Public in and for said personally known to me (or be the person whose name is subscribed the/she executed the same in his/her the instrument the person, or the entity instrument.
WITNESS my hand	and official seal.	
Signature		

Page 2 of 5

Jonathan L. Ehlma Austin, TX	nn	
STATE OF		
COUNTY OF		
proved to me on the basis of the within instrument are authorized capacity, and the	d acknowledged to me that	t he/she executed the same in his/her the instrument the person, or the entity
WITNESS my har	d and official seal.	
Signature		
Julianned Frances STATE OF TEXAS	Haugh Haugh	18 Dec 15
COUNTY OF Tray		a . /
proved to me on the basis of to the within instrument an authorized capacity, and th	of satisfactory evidence) to d acknowledged to me that	Notary Public in and for said with personally known to me (or be the person whose name is subscribed the/she executed the same in his/her the instrument the person, or the entity instrument.

WITNESS my hand and official seal.

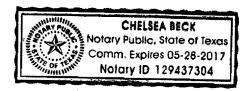
Signature Chuber Bell



Dale Herman Austin, TX		
STATE OF		
COUNTY OF		
proved to me on the basis to the within instrument ar authorized capacity, and the	of satisfactory evidence) to nd acknowledged to me that	, Notary Public in and for said personally known to me (or be the person whose name is subscribed the/she executed the same in his/her he instrument the person, or the entity instrument.
WITNESS my hat	nd and official seal.	
Signature	Name	
Brian Kuhn Austin, TX		December 18, 2015
STATE OF TUCES	·>	
COUNTY OF Trawi	5	
to the within instrument are authorized capacity, and the	ad acknowledged to me that	, Notary Public in and for said personally known to me (or be the person whose name is subscribed he/she executed the same in his/her he instrument the person, or the entity astrument.

Mulacen Buck
Page 4 of 5

WITNESS my hand and official seal.



Kelly Mekechuk Austin, TX		
Austill, 1A		
STATE OF		
COUNTY OF		
State, personally appeared proved to me on the basis of sa to the within instrument and ac authorized capacity, and that by	knowledged to me that y his/her signature on the	, Notary Public in and for said personally known to me (or be the person whose name is subscribed the/she executed the same in his/her the instrument the person, or the entity
upon behalf of which the perso	n acted, executed the 11	nstrument.
WITNESS my hand an	nd official seal.	
Signature		
		18 Socrason 2615
Eric Roesinger		
STATE OF TEXAS		
COUNTY OF Trau'S		
On <u>December</u> State, personally appeared <u>E</u> proved to me on the basis of sate to the within instrument and ac	tisfactory evidence) to knowledged to me that whis her signature on the	, Notary Public in and for said personally known to me (or be the person whose name is subscribed the/she executed the same in his/her he instrument the person, or the entity instrument.
WITNESS my hand an	d official seal	
Signature VV	beakeek	
		CHELSEA BECK Notary Public, State of Texas
		11.337/k-:1721""

Page 5 of 5