

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4730980

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MOHAMED M. HILALI	07/11/2017
RECEIVING PARTY DATA		
Name:	ZHEJIANG KAIYING NEW MATERIALS CO., LTD.	
Street Address:	ROOM 1728, TECHNOLOGY BUILDING	
Internal Address:	NO. 128 SHUANGLIAN RD, ECONOMIC DEVELOPMENT ZONE	
City:	HAINING, ZHEJIANG	
State/Country:	CHINA	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15839585
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	kmestressat@sheppardmullin.com, svpatents@sheppardmullin.com	
Correspondent Name:	SHEPPARD MULLIN RICHTER & HAMPTON LLP	
Address Line 1:	379 LYTTON AVE.	
Address Line 4:	PALO ALTO, CALIFORNIA 94301	
ATTORNEY DOCKET NUMBER:	50VL-510US-265709	
NAME OF SUBMITTER:	KRYSTLE MESTRESSAT	
SIGNATURE:	/Krystle Mestressat/	
DATE SIGNED:	12/12/2017	
Total Attachments: 2		
source=265709_Assignment#page1.tif		
source=265709_Assignment#page2.tif		

ASSIGNMENT

Mohamed M. Hilah

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned agree(s) to and hereby do(es) sell, assign, transfer and set over to:

Zhejiang Kaiying New Materials Co., Ltd.

Corporation, P.R. China

located at Room 1728, Technology Building, No. 128 Shuanglian Rd., Economic Development Zone, Haining, Zhejiang, P.R. China (hereinafter designated as the Assignee) the entire worldwide right, title, and interest in and to all inventions and subject matter contained in

INTERDIGITATED BACK CONTACT METAL-INSULATOR-SEMICONDUCTOR SOLAR CELL WITH PRINTED OXIDE TUNNEL JUNCTIONS

and in any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein claims to any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, continuations-in-part and extensions; and in any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries for said inventions or subject matter, and in any and all causes of action, past and future, and damages accruing in connection therewith.

1) The undersigned agree(s) to execute all papers necessary or deemed expedient by the Assignee, including all oaths, declarations, assignments, and powers of attorney, in connection with the application, with any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, with any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries, and with any and all causes of action, past and future, and damages accruing in connection therewith.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference, derivative proceeding, reexamination, opposition, post grant proceeding, and any other legal proceeding or cause of action which may be declared concerning this application, any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, and any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries, and to cooperate with the Assignee in every way possible in obtaining evidence, including evidence of conception, reduction to practice and/or inventorship as needed.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of any valid United States patent or patent in any foreign country to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents to the Assignee, its successors and assigns, as Assignee of the entire right, title and interest resulting from said application, and any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, and hereby covenant(s) that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grants Sheppard Mullin Richter & Hampton LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date July 11, 2017

Mohamed M. Hilali

