

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2593456

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JI SOO KIM</td> <td>09/30/2013</td> </tr> <tr> <td>HO SIK KIM</td> <td>09/30/2013</td> </tr> <tr> <td>JI SUN KIM</td> <td>09/30/2013</td> </tr> <tr> <td>JONG YOUB LIM</td> <td>09/30/2013</td> </tr> <tr> <td>YEON HEE HWANG</td> <td>09/30/2013</td> </tr> <tr> <td>HOON JOO CHOI</td> <td>09/30/2013</td> </tr> <tr> <td>JEONG JAE JO</td> <td>09/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	JI SOO KIM	09/30/2013	HO SIK KIM	09/30/2013	JI SUN KIM	09/30/2013	JONG YOUB LIM	09/30/2013	YEON HEE HWANG	09/30/2013	HOON JOO CHOI	09/30/2013	JEONG JAE JO	09/30/2013
Name	Execution Date																
JI SOO KIM	09/30/2013																
HO SIK KIM	09/30/2013																
JI SUN KIM	09/30/2013																
JONG YOUB LIM	09/30/2013																
YEON HEE HWANG	09/30/2013																
HOON JOO CHOI	09/30/2013																
JEONG JAE JO	09/30/2013																
RECEIVING PARTY DATA																	
Name:	SHINSHUNG SOLAR ENERGY CO., LTD.																
Street Address:	8(BAEKHYEON-DONG), DAEWANGPANGYO-RO 395BEON-GIL, BUNDANG-GU, GYEONGGI-DO																
City:	SEONGNAM-SI																
State/Country:	KOREA, REPUBLIC OF																
Postal Code:	463-420																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13932516</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13932516												
Property Type	Number																
Application Number:	13932516																
CORRESPONDENCE DATA																	
Fax Number:	(412)945-5933																
Phone:	412-471-8815																
Email:	assignments@webblaw.com																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	THE WEBB LAW FIRM, P.C.																
Address Line 1:	ONE GATEWAY CENTER																
Address Line 2:	420 FT. DUQUESNE BLVD, SUITE 1200																
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222																

OP \$40.00 13932516

ATTORNEY DOCKET NUMBER:	6897-132366
NAME OF SUBMITTER:	BOJAN POPOVIC
Signature:	/bojan popovic/
Date:	10/28/2013
Total Attachments: 5 source=RECCOVER#page1.tif source=ASSIGN#page1.tif source=ASSIGN#page2.tif source=ASSIGN#page3.tif source=ASSIGN#page4.tif	

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
 Ji Soo KIM Yeon Hee HWANG
 Ho Sik KIM Hoon Joo CHOI
 Ji Sun KIM Jeong Jae JO
 Jong Youb LIM

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Shinshung Solar Energy Co., Ltd.
 Internal Address: _____

 Street Address: 8(Baekhyeon-dong), Daewangpangyo-ro
395beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do
 City: _____
 State: _____
 Country: REPUBLIC OF KOREA Zip: 463-420

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) September 30, 2013

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
13/932,516

B. Patent No.(s)

Additional numbers attached? Yes No

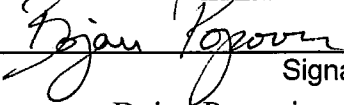
5. Name and address to whom correspondence concerning document should be mailed:
 Name: Richard L. Byrne
 Internal Address: The Webb Law Firm

 Street Address: One Gateway Center
420 Ft. Duquesne Blvd., Ste 1200
 City: Pittsburgh
 State: PA Zip: 15222
 Phone Number: 412-471-8815
 Fax Number: 412-945-5933
 Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
 a. Credit Card Last 4 Numbers 1916
 Expiration Date 05/2015
 b. Deposit Account Number 23-0650
 Authorized User Name _____

9. Signature:  October 28, 2013
 Signature Date
Bojan Popovic
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

INTERNATIONAL
Application No. 13/932,516
Attorney Docket No. 6897-132366

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

"SOLAR CELL AND METHOD OF MANUFACTURING THE SAME"
(Invention Title)

for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

for which an application for a United States Patent was filed on 07/01/2013 (mm/dd/yyyy) and bears Application Number 13/932,516 (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on _____ (mm/dd/yyyy), bearing Application No. _____ (hereinafter "said application").

AND, WHEREAS, Shinshung Solar Energy Co., Ltd., a corporation of the Republic of Korea, having a place of business at 8(Baekhyeon-dong), Daewangpangyo-ro 395beon-gil, Bundang-gu, Seongnam-si, 463-420, Gyeonggi-do, Republic of Korea, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits

INTERNATIONAL
Application No. 13/932,516

Attorney Docket No. 6897-132366

from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

Ji Soo KIM

RESIDENCE:

Seongnam-si, Republic of Korea

EXECUTED this 30 day of Sept., 2013

Ji Soo

SIGNATURE

WITNESS:

~~~~~

2. FULL NAME OF ASSIGNOR:

Ho Sik KIM

RESIDENCE:

Yongin-si, Republic of Korea

EXECUTED this 30 day of Sept., 2013

*Ho Sik*

SIGNATURE

WITNESS:

\_\_\_\_\_

Checked Box indicates 2 additional page(s) for inventor signatures.

INTERNATIONAL  
Application No. 13/932,516  
Attorney Docket No. 6897-132366

~~~~~  
3. FULL NAME OF ASSIGNOR: Ji Sun KIM RESIDENCE: Incheon, Republic of Korea

EXECUTED this 30 day of Sept., 2013



SIGNATURE

WITNESS:

~~~~~  
4. FULL NAME OF ASSIGNOR: Jong Youb LIM RESIDENCE: Cheongwon-gun, Republic of Korea


EXECUTED this 30 day of Sept., 2013

  
\_\_\_\_\_  
SIGNATURE

WITNESS:  
\_\_\_\_\_

~~~~~  
5. FULL NAME OF ASSIGNOR: Yeon Hee HWANG RESIDENCE: Pohang-si, Republic of Korea

EXECUTED this 30 day of Sept., 2013



SIGNATURE

WITNESS:

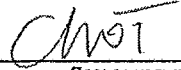
INTERNATIONAL
Application No. 13/932,516

Attorney Docket No. 6897-132366

6. FULL NAME OF ASSIGNOR:
Hoon Joo CHOI

RESIDENCE:
Pyeongtaek-si, Republic of Korea

EXECUTED this 30 day of Sept., 2013



SIGNATURE

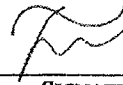
WITNESS:

~~~~~

7. FULL NAME OF ASSIGNOR:  
Jeong Jae JO

RESIDENCE:  
Goesan-gun, Republic of Korea

EXECUTED this 30 day of Sept., 2013



SIGNATURE

WITNESS:

\_\_\_\_\_

~~~~~