

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAN DAMJANOVIC	02/21/2013
FENG LIAO	02/21/2013
RICK POWELL	02/21/2013
RUI SHAO	02/21/2013
JIGISH TRIVEDI	03/04/2013
ZHIBO ZHAO	02/21/2013
RECEIVING PARTY DATA	
Name:	FIRST SOLAR, INC.
Street Address:	350 WEST WASHINGTON STREET
Internal Address:	6TH FLOOR
City:	TEMPE
State/Country:	ARIZONA
Postal Code:	85281
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17505291
CORRESPONDENCE DATA	
Fax Number:	(419)255-9639
<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>	
Phone:	4192555900
Email:	mst@mstfirm.com
Correspondent Name:	MACMILLAN, SOBANSKI & TODD, LLC
Address Line 1:	720 WATER STREET
Address Line 2:	ONE MARITIME PLAZA, FIFTH FLOOR
Address Line 4:	TOLEDO, OHIO 43604
ATTORNEY DOCKET NUMBER:	63001-US-DIV_P00184
NAME OF SUBMITTER:	DANA M. STANGEL
SIGNATURE:	/Dana Stangel/
DATE SIGNED:	08/11/2023

PATENT

Total Attachments: 9

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Dan Damjanovic, Feng Liao, Rick Powell, Rui Shao, Jigish Trivedi, and Zhibo Zhao (hereinafter referred to as Assignors), residing at 1843 Lexington Drive, Perrysburg, Ohio 43551; 26682 Nawash Lane, Perrysburg, Ohio 43551; 4497 Boulder Pond Drive, Ann Arbor, Michigan 48108; 9048 Stonybrook Boulevard, Sylvania, Ohio 43560; 425 South Ridge Drive, Perrysburg, Ohio 43551; 45812 Bristol Circle, Novi, Michigan 48377 respectively,

WHEREAS, Assignors have invented certain new and useful improvements in PHOTOVOLTAIC DEVICE INCLUDING A P-N JUNCTION AND METHOD OF MANUFACTURING set forth in a Utility application for Letters Patent of the United States, as U.S. Application No. 14/171,020 filed on February 3, 2014, claiming priority to U.S. Provisional Application No. 61/780,073 filed March 13, 2013 and U.S. Provisional Application No. 61/759,458 filed February 1, 2013.

WHEREAS, FIRST SOLAR, INC, a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at First Solar, Inc., P.O. Box 730, 28101 Cedar Park Boulevard, Perrysburg, Ohio 43551 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in accordance with Intellectual Property provisions of the employment agreement previously executed by and between Assignee and Assignors, and for other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and provisional application for Letters Patent, and in and to any and all non-provisional applications for Letters Patent that arise from said above-mentioned inventions and provisional applications, and in and to any and all direct and indirect divisions,

continuations and continuations-in-part of said application, and in and to all any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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:

MACMILLAN, SOBANSKI & TODD, LLC

All practitioners at Customer Number **109944**.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

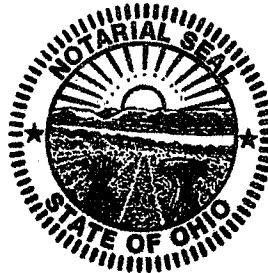
Dan Damjanovic
DAN DAMJANOVIC

Date: 2-21-2013

United States of America)
State of OHIO) ss.:
County of Wood)

On this 21 day of February, 2013, before me personally came DAN DAMJANOVIC, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sarah Kane
Notary Public



SARAH KANE
NOTARY PUBLIC - OHIO
MY COMMISSION EXPIRES 02-16-2016

[Signature]
FENG LIAO

Date: 2/21/2013

United States of America)
State of OHIO) ss.:
County of WOOD)

On this 21 day of February, 2013, before me personally came FENG LIAO, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public



SARAH KANE
NOTARY PUBLIC - OHIO
MY COMMISSION EXPIRES 02-16-2016

Rick C. Powell

RICK POWELL

Date: 21 Feb 2013

United States of America)
State of Ohio) ss.:
County of Wood)

On this 21 day of February, 2013, before me personally came RICK POWELL, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sarah Kane

Notary Public



SARAH KANE
NOTARY PUBLIC - OHIO
MY COMMISSION EXPIRES 02-16-2016

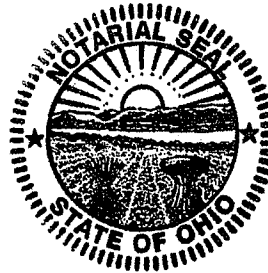
Rui Shao
RUI SHAO

Date: 02/21/2013

United States of America)
State of Ohio) ss.:
County of Wood)

On this 21 day of February, 2013, before me personally came RUI SHAO, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sarah Kane
Notary Public



SARAH KANE
NOTARY PUBLIC - OHIO
MY COMMISSION EXPIRES 02-16-2016

Jigish Trivedi

JIGISH TRIVEDI

Date: 3-4-2013

United States of America)
State of Ohio) ss.:
County of Wood)

On this 4 day of March, 2013, before me personally came JIGISH TRIVEDI, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sarah Kane

Notary Public



SARAH KANE
NOTARY PUBLIC - OHIO
MY COMMISSION EXPIRES 02-16-2016

[Handwritten Signature]

ZHIBO ZHAO

Date: 02-21-2013

United States of America)
State of Ohio) ss.:
County of Wood)

On this 21 day of February, 2013, before me personally came ZHIBO ZHAO, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Handwritten Signature: Sarah Kane]

Notary Public



SARAH KANE
NOTARY PUBLIC - OHIO
MY COMMISSION EXPIRES 02-16-2016