

PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Simon Chee</td><td>08/03/2011</td></tr><tr><td>John Bellacicco</td><td>08/04/2011</td></tr><tr><td>Harry Sawyer</td><td>08/10/2011</td></tr><tr><td>Mahesh Morjaria</td><td>08/01/2011</td></tr></tbody></table>		Name	Execution Date	Simon Chee	08/03/2011	John Bellacicco	08/04/2011	Harry Sawyer	08/10/2011	Mahesh Morjaria	08/01/2011
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Simon Chee	08/03/2011										
John Bellacicco	08/04/2011										
Harry Sawyer	08/10/2011										
Mahesh Morjaria	08/01/2011										
RECEIVING PARTY DATA											
Name:	First Solar, Inc										
Street Address:	P.O. Box 730, 28101 Cedar Park Boulevard										
City:	Perrysburg										
State/Country:	OHIO										
Postal Code:	43551										
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>13183685</td></tr></tbody></table>		Property Type	Number	Application Number:	13183685						
Property Type	Number										
Application Number:	13183685										
CORRESPONDENCE DATA											
Fax Number: (202)420-2201 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 202-420-2200											
Email: harrisp@dicksteinshapiro.com											
Correspondent Name: Dickstein Shapiro LLP -First Solar											
Address Line 1: 1825 Eye Street, NW											
Address Line 4: Washington, DISTRICT OF COLUMBIA 20006											
ATTORNEY DOCKET NUMBER:	F4500.1235/P1235										
NAME OF SUBMITTER:	/PMH/										
Total Attachments: 21 source=1235assn#page1.tif											

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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Simon Chee; John Bellacicco; Harry Sawyer; and Mahesh Morjaria (hereinafter referred to as Assignors), residing at 2535 West Bancroft, Suite 11, Toledo, Ohio 43607; 87 Chestnut Hill Road, Stamford, Connecticut 06903; 17212 North Scottsdale Road, Apt. 2214, Scottsdale, Arizona 85255; and 1121 Promontory Drive, Marietta, Georgia 30062, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in REAL TIME PHOTOVOLTAIC POWER PLANT CONTROL SYSTEM, set forth in patent application 13/183,685 for Letters Patent of the United States, filed on July 15, 2011,

**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 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 application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and 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

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**PATENT**

**REEL: 026829 FRAME: 0081**

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 Patent 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:

DICKSTEIN SHAPIRO LLP

All practitioners at Customer Number 16080

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



Simon Chee

Date: 8/3/2011

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

On this 3rd day of August, 2011, before me  
personally came Simon Chee, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
\_\_\_\_\_  
Notary Public

SARAH KANE  
Notary Public, State of Ohio  
My Commission Expires 02-10-2016

\_\_\_\_\_  
John Bellacicco

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ John Bellacicco \_\_\_\_\_, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Harry Sawyer

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ Harry Sawyer, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

\_\_\_\_\_  
Notary Public



\_\_\_\_\_  
Mahesh Morjaria

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ Mahesh Morjaria, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

\_\_\_\_\_  
Notary Public

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**PATENT**

**REEL: 026829 FRAME: 0088**

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.

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**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:

DICKSTEIN SHAPIRO LLP

All practitioners at Customer Number 16080

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

\_\_\_\_\_  
Simon Chee

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ Simon Chee \_\_\_\_\_, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

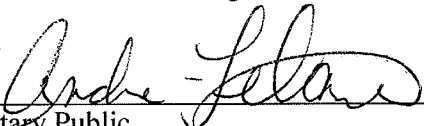
\_\_\_\_\_  
Notary Public

  
John Bellacicco

Date: 8-4-11

United States of America )  
State of New Jersey ) ss.:  
County of SOMERSET )

On this 4<sup>th</sup> day of August, 2011, before me  
personally came John Bellacicco, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public

Andrea Fellanto  
Notary Public - State of New Jersey  
Commission # 2371858  
Comm. Expires Apr. 3, 2013

\_\_\_\_\_  
Harry Sawyer

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ Harry Sawyer \_\_\_\_\_, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

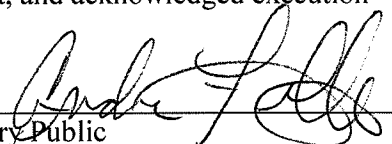
\_\_\_\_\_  
Notary Public

  
Mahesh Morjaria

Date: 8-1-11

United States of America )  
State of New Jersey ) ss.:  
County of SOMERSET )

On this 1st day of August, 2011, before me  
personally came Mahesh Morjaria, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public

Andrea Fellanto  
Notary Public - State of New Jersey  
Commission # 2371858  
Comm. Expires Apr. 3, 2013



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DICKSTEIN SHAPIRO LLP

All practitioners at Customer Number 16080

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

\_\_\_\_\_  
Simon Chee

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ Simon Chee \_\_\_\_\_, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

\_\_\_\_\_  
Notary Public

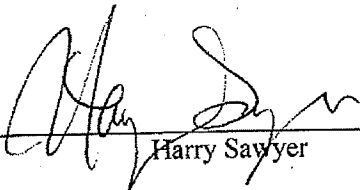
\_\_\_\_\_  
John Bellacicco

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ John Bellacicco \_\_\_\_\_, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

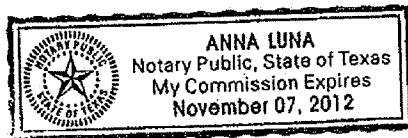
\_\_\_\_\_  
Notary Public

  
Harry Sawyer

Date: 8/10/11

United States of America )  
State of Texas ) ss.:  
County of Travis )

On this 10th day of Oct <sup>ael</sup> August, 2011, before me  
personally came Harry Sawyer, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.



  
Notary Public

\_\_\_\_\_  
Mahesh Morjaria

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me  
personally came \_\_\_\_\_ Mahesh Morjaria, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

\_\_\_\_\_  
Notary Public