

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3795133

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|------------------------------|---|
| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the APPLICATION NO. 14525282 PREVIOUSLY RECORDED AS 14525282 previously recorded on Reel 037895 Frame 0779. Assignor(s) hereby confirms the CORRECT APPLICATION NO. IS 14252282. |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------------------|----------------|
| APOLLO PRECISION (FUJIAN) LIMITED | 02/25/2016 |

RECEIVING PARTY DATA

| | |
|--------------------------|---|
| Name: | BEIJING APOLLO DING RONG SOLAR TECHNOLOGY CO., LTD. |
| Street Address: | NO. 7 RONG CHANG DONG STREET, NO. 6 BUILDING, ROOM 3001 |
| Internal Address: | BEIJING ECONOMIC-TECHNOLOGICAL DEVELOPMENT AREA |
| City: | BEIJING |
| State/Country: | CHINA |
| Postal Code: | 100176 |

PROPERTY NUMBERS Total: 32

| Property Type | Number |
|---------------------|----------|
| Patent Number: | 9182152 |
| Patent Number: | 9239173 |
| Application Number: | 13087730 |
| Patent Number: | 9059351 |
| Patent Number: | 9061344 |
| Patent Number: | 8951824 |
| Application Number: | 12897162 |
| Patent Number: | 8227287 |
| Application Number: | 14252282 |
| Patent Number: | 9231123 |
| Application Number: | 13308202 |
| Application Number: | 13042325 |
| Patent Number: | 9236832 |
| Patent Number: | 8613169 |
| Patent Number: | 8887453 |
| Application Number: | 13298178 |
| Patent Number: | 8535968 |

PATENT

| Property Type | Number |
|---------------------|----------|
| Patent Number: | 8558102 |
| Patent Number: | 8414308 |
| Patent Number: | 8203200 |
| Patent Number: | 8048706 |
| Patent Number: | 8586857 |
| Patent Number: | 8631613 |
| Patent Number: | 7829783 |
| Patent Number: | 7960643 |
| Application Number: | 13107574 |
| Patent Number: | 7963802 |
| Patent Number: | 8123565 |
| Application Number: | 13850976 |
| Application Number: | 13566569 |
| Application Number: | 14616978 |
| Application Number: | 14740086 |

CORRESPONDENCE DATA

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| | |
|---------------------------|-----------------|
| NAME OF SUBMITTER: | LATONIA ERVIN |
| SIGNATURE: | /Latonia Ervin/ |
| DATE SIGNED: | 03/22/2016 |

Total Attachments: 10

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3769238

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|-----------------------------------|---|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| Name | | Execution Date |
| APOLLO PRECISION (FUJIAN) LIMITED | | 02/25/2016 |
| RECEIVING PARTY DATA | | |
| Name: | BEIJING APOLLO DING RONG SOLAR TECHNOLOGY CO., LTD. | |
| Street Address: | NO. 7 RONG CHANG DONG STREET, NO. 6 BUILDING, ROOM 3001 | |
| Internal Address: | BEIJING ECONOMIC-TECHNOLOGICAL DEVELOPMENT AREA | |
| City: | BEIJING | |
| State/Country: | CHINA | |
| Postal Code: | 100176 | |
| PROPERTY NUMBERS Total: 32 | | |
| Property Type | Number | |
| Patent Number: | 9182152 | |
| Patent Number: | 9239173 | |
| Application Number: | 13087730 | |
| Patent Number: | 9059351 | |
| Patent Number: | 9061344 | |
| Patent Number: | 8951824 | |
| Application Number: | 12897162 | |
| Patent Number: | 8227287 | |
| Application Number: | 14525282 Correct Application No. 14/252,282 | |
| Patent Number: | 9231123 | |
| Application Number: | 13308202 | |
| Application Number: | 13042325 | |
| Patent Number: | 9236832 | |
| Patent Number: | 8613169 | |
| Patent Number: | 8887453 | |
| Application Number: | 13298178 | |
| Patent Number: | 8535968 | |
| Patent Number: | 8558102 | |
| Patent Number: | 8414308 | |

ASSIGNMENT OF PATENT RIGHTS

Whereas Apollo Precision (Fujian) Limited, a China based corporation having a place of business at Jiangnan Hi-Tech Park, Nanhuan Road, Licheng District, Quanzhou City, Fujian Province 362000, P.R. China ("ASSIGNOR") and Beijing Apollo Ding rong Solar Technology Co., Ltd., No. 7 Rong chang dong Street, No. 6 Building, Room 3001, Beijing Economic-Technological Development Area, Beijing China 100176 ("ASSIGNEE"), have agreed that ASSIGNEE shall acquire from ASSIGNOR the patents and/or patent applications listed on the attached Appendix A ("PATENT PROPERTIES").

Therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR, the owner of the entire right, title, and interest in the PATENT PROPERTIES, hereby sells, assigns, transfers and conveys to ASSIGNEE, its designees, successors, assigns and legal representatives, the entire right, title and interest in the PATENT PROPERTIES and all divisions, continuations, reissues and reexaminations thereof, the inventions disclosed therein ("INVENTIONS"), and all rights to claim priority from the PATENT PROPERTIES, and to all applications for patent that may be filed for the INVENTIONS in any foreign country, and all patents that may be granted on the INVENTIONS in any foreign country, and all extensions, renewals, and reissues thereof, and the right to recover and to bring proceedings to recover damages and/or obtain other remedies for infringement for patent infringement whether committed before or after the date of this Assignment; each and every of the foregoing rights, titles and interests herein assigned shall be held and enjoyed by ASSIGNEE, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be duly executed in its name and behalf by its designated officer, director, or agent, whose name and title appear below.

Executed at _____, _____ this _____ day of _____, 20____, the effective date of this Assignment.

Apollo Precision (Fujian) Limited

Signature

Name: _____

Title: _____

RECEIVED AND HEREBY ACCEPTED BY ASSIGNEE:

Date: _____

Name:

Title: _____

APPENDIX A LIST OF PATENTS AND/OR APPLICATIONS

| SERIAL NO | PATENT NO | TITLE | FILING DATE | Issue Date |
|-----------------|-----------|---|--------------------|-------------------|
| 12/895,340 | 9,182,152 | PHOTOVOLTAIC MODULE SUPPORT WITH CABLE CLAMPS | September 30, 2010 | November 10, 2015 |
| 12/895,594 | 9,239,173 | PHOTOVOLTAIC MODULE SUPPORT WITH INTERFACE STRIPS | September 30, 2010 | January 19, 2016 |
| 13/087,730 | | INTERCONNECTING WIRE NETWORK WITH CONDUCTIVE TAB | April 15, 2011 | |
| 13/204,552 | 9,059,351 | INTEGRATED DIODE ASSEMBLIES FOR PHOTOVOLTAIC MODULES | August 5, 2011 | June 16, 2015 |
| 13/114,999 | 9,061,344 | APPARATUSES AND METHODS FOR FABRICATING WIRE CURRENT COLLECTORS AND INTERCONNECTS FOR SOLAR CELLS | May 24, 2011 | June 23, 2015 |
| EP20090825215.8 | | COMBINED DIODE, LEAD ASSEMBLY INCORPORATING AN EXPANSION JOINT | October 26, 2009 | |
| 13/082,709 | 8,951,824 | ADHESIVES FOR ATTACHING WIRE NETWORK TO PHOTOVOLTAIC CELLS | April 8, 2011 | February 10, 2015 |
| 12/897,162 | | SMALL GAUGE WIRE SOLAR CELL INTERCONNECT | October 4, 2010 | |
| 12/904,958 | 8,227,287 | PARTIALLY TRANSMITTED IMAGED LASER BEAM FOR SCRIBING SOLAR CELL STRUCTURES | October 14, 2010 | July 24, 2012 |
| 61/811,419 | | HEADER STRUCTURES FOR FLEXIBLE PHOTOVOLTAIC MODULES | April 12, 2013 | |
| 14/252,282 | | HEADER STRUCTURES FOR FLEXIBLE PHOTOVOLTAIC MODULES | April 14, 2014 | |

| SERIAL NO | PATENT NO | TITLE | FILING DATE | Issue Date |
|------------|-----------|---|--------------------|--------------------|
| 13/043,227 | 9,231,123 | FLEXIBLE CONNECTORS FOR BUILDING INTEGRABLE PHOTOVOLTAIC MODULES | March 8, 2011 | January 5, 2016 |
| 13/308,202 | | OFFSET BUILDING INTEGRABLE PHOTOVOLTAIC STRUCTURES AND ASSEMBLIES HAVING MULTI-CONDUCTOR RETURN LINES | November 30, 2011 | |
| 13/042,325 | | PHOTOVOLTAIC MODULE PIN ELECTRICAL CONNECTORS | March 7, 2011 | |
| 13/277,509 | 9,236,832 | INTERCONNECTING STRIPS FOR BUILDING INTEGRABLE PHOTOVOLTAIC MODULES | October 20, 2011 | January 12, 2016 |
| 13/345,040 | 8,613,169 | ELECTRICAL ROUTING STRUCTURES FOR BUILDING INTEGRABLE PHOTOVOLTAIC ARRAYS | January 6, 2012 | December 24, 2013 |
| 13/108,749 | 8,887,453 | SUPPORTING STRUCTURES FOR BUILDING INTEGRABLE PHOTOVOLTAIC MODULES | May 16, 2011 | November, 18, 2014 |
| 13/298,178 | | FLEXIBLE CONNECTORS OF BUILDING INTEGRABLE PHOTOVOLTAIC MODULES FOR ENCLOSED JUMPER ATTACHMENT | November 16, 2011 | |
| 13/362,952 | 8,535,968 | HIGH SPEED ALIGNING OF PHOTOVOLTAIC CELLS | January 31, 2012 | September 17, 2013 |
| 12/558,336 | 8,558,102 | ROTATABLE JUNCTION BOX FOR A SOLAR MODULE | September 11, 2009 | October 15, 2013 |
| 13/042,317 | 8,414,308 | ELECTRICAL CONNECTORS FOR BUILDING INTEGRABLE PHOTOVOLTAIC MODULES | March 7, 2011 | April 9, 2013 |
| 12/626,281 | 8,203,200 | DIODE LEADFRAME FOR SOLAR MODULE ASSEMBLY | November 25, 2009 | June 19, 2012 |
| 12/904,922 | 8,048,706 | ABLATIVE SCRIBING OF SOLAR CELL STRUCTURES | October 14, 2010 | November 1, 2011 |

| SERIAL NO | PATENT NO | TITLE | FILING DATE | Issue Date |
|-----------------|-----------|--|-------------------|-------------------|
| 12/264,712 | 8,586,857 | COMBINED DIODE, LEAD ASSEMBLY INCORPORATING AN EXPANSION JOINT | November 4, 2008 | November 19, 2013 |
| 13/039,706 | 8,631,613 | INTERLOCKING LIPS ON BUILDING INTEGRABLE PHOTOVOLTAIC MODULE EDGES | March 3, 2011 | January 21, 2014 |
| 12/464,721 | 7,829,783 | ISOLATED METALLIC FLEXIBLE BACK SHEET FOR SOLAR MODULE ENCAPSULATION | May 12, 2009 | November 9, 2010 |
| 12/556,460 | 7,960,643 | ISOLATED METALLIC FLEXIBLE BACK SHEET FOR SOLAR MODULE ENCAPSULATION | September 9, 2009 | June 14, 2011 |
| 13/107,574 | | ISOLATED METALLIC FLEXIBLE BACK SHEET FOR SOLAR MODULE ENCAPSULATION | May 13, 2011 | |
| 12/684,278 | 7,963,802 | EXTERNAL ELECTRICAL CONNECTORS FOR SOLAR MODULES | January 8, 2010 | June 21, 2011 |
| 13/104,885 | 8,123,565 | EXTERNAL ELECTRICAL CONNECTORS FOR SOLAR MODULES | May 10, 2011 | February 28, 2012 |
| EP20100794649.3 | | EXTERNAL ELECTRICAL CONNECTORS FOR SOLAR MODULES | June 29, 2010 | |
| 13/850,976 | | INTERCONNECT ASSEMBLY | March 26, 2013 | |

| SERIAL NO | PATENT NO | TITLE | FILING DATE | Issue Date |
|------------|-----------|--|------------------|------------|
| 13/566,569 | | METHODS AND APPARATUSES FOR CUTTING OF THIN FILM SOLAR CELLS | August 3, 2012 | |
| 14/616,978 | | ADHESIVES FOR ATTACHING WIRE NETWORK TO PHOTOVOLTAIC CELLS | February 9, 2015 | |
| 14/740,086 | | INTEGRATED DIODE ASSEMBLIES FOR PHOTOVOLTAIC MODULES | June 15, 2015 | |