

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3199316

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HANERGY HOLDING GROUP LTD.	08/10/2014
RECEIVING PARTY DATA	
Name:	APOLLO PRECISION KUNMING YUANHONG LIMITED
Street Address:	A4-1 ECONOMIC PROCESSING ZONE
Internal Address:	ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE
City:	KUNMING, YUNAN
State/Country:	CHINA
PROPERTY NUMBERS Total: 15	
Property Type	Number
Patent Number:	8228088
Patent Number:	8115095
Patent Number:	8313976
Patent Number:	8110738
Patent Number:	8389321
Patent Number:	8004232
Patent Number:	8399286
Patent Number:	7927912
Patent Number:	7935558
Application Number:	12379196
Application Number:	12461053
Application Number:	13006098
Application Number:	12824662
Application Number:	13019671
Application Number:	13269771
CORRESPONDENCE DATA	
Fax Number:	(703)391-2901
<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:	703-391-2900

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Address Line 2:	15TH FLOOR
Address Line 4:	RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	7516-PAT
NAME OF SUBMITTER:	PATRICK MCCONVILLE
SIGNATURE:	/pmcconville/
DATE SIGNED:	01/27/2015

Total Attachments: 4

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ASSIGNMENT AND AGREEMENT

WHEREAS, Hanergy Holding Group Ltd., having its principal place of business at No. 0-A, Anli Road, Chaoyang District, Beijing, P.R. CHINA (hereinafter referred to singularly and collectively as "ASSIGNOR"), states that it owns the entire right, title and interest in the inventions described and/or claimed in the patents and applications listed on the attached Schedule A.

WHEREAS, Apollo Precision Kunming Yuanhong Limited, having its principal place of business at A4-1 Economic Processing Zone, Economic and Technological Development Zone, Kunming, Yunnan, P. R. CHINA (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the invention or inventions identified in the attached Schedule A, (b) the Letters Patent for invention or inventions identified in the attached Schedule A and all other applications for Letters Patent of the United States and countries foreign thereto for the invention or inventions identified in the attached Schedule A, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (b) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY GRANTS to the law firm of **The Marbury Law Group PLLC** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of The Marbury Law Group PLLC do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

The undersigned is authorized to act on behalf of the ASSIGNOR (Hanergy Holding Group Ltd.):

Date: August 10, 2014

Date: _____

Date: _____

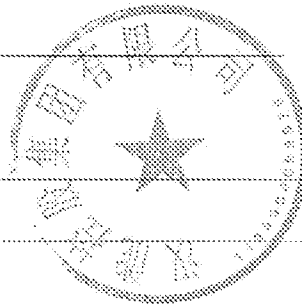
By: _____

Name: _____

Title: _____

Witness: _____

Witness: _____



The undersigned is authorized to act on behalf of the ASSIGNEE (Apollo Precision Kunming Yuanhong Limited):

Date: August 10, 2014

Date: _____

Date: _____

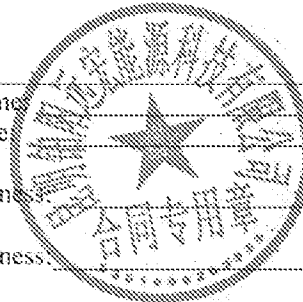
By: _____

Name: _____

Title: _____

Witness: _____

Witness: _____



SCHEDULE A

Kunming

Patent/App No.	Country	Filing/Grant Date	Title	Docket No.	Status
1	US	24-Jul-12	Automated Solar Module Testing	--	GRANTED
2	US	14-Feb-12	Protective Layer for Large-Scale Production of Thin-Film Solar Cells	7512-139	GRANTED
3	US	20-Nov-12	Method and Apparatus for Controllable Sodium Delivery for Thin Film Photovoltaic Materials	7512-144/DIV	GRANTED
4	US	7-Feb-12	Protective Layer for Large-Scale Production of Thin-Film Solar Cells	7512-148	GRANTED
5	US	5-Mar-13	Protective Layer for Large-Scale Production of Thin-Film Solar Cells	7512-148/DIV	GRANTED
6	US	23-Aug-11	Method of Battery Charging and Power Control in Conjunction with Maximum Power Point Tracking	7512-151	GRANTED
7	US	19-Mar-13	Semiconductor Device and Method of Making Thereof	7512-154	GRANTED
8	US	19-Apr-11	Method of Forming a Sputtering Target	7512-192/C	GRANTED
9	US	3-May-11	Sodium Salt Containing CIG Targets, Methods of Making and Methods of Use Thereof	7512-195	GRANTED
10	S. Korea	29-Aug-12	Protective Layer for Large-Scale Production of Thin-Film Solar Cells	7512-171KR	GRANTED
11	US	13-Feb-09	Thin-Film Photovoltaic Power System with Integrated Low-Profile High-Efficiency Inverter	7512-146	PENDING
12	US	3-Oct-11	Thin-Film Photovoltaic Power Element with Integrated Low-Profile High-Efficiency DC-DC Converter	7512-147/C	PENDING
13	US	30-Jul-09	Method for Alkali Doping of Thin Film Photovoltaic Materials	7512-159	PENDING
14	US	13-Jan-11	Continuous Web Apparatus and Method Using an Air to Vacuum Seal and Accumulator	7512-164	PENDING
15	US	28-Jun-10	Protective Layers for a Glass Barrier in a Photovoltaic Device	7512-178	PENDING
16	US	2-Feb-11	Utilization of an Air Amplifier to Remove Sheet of Paper from Glass in an Automated Glass Handler	7512-200	PENDING

SCHEDULE A

Kunming

Patent/App No.	Country	Filing/Grant Date	Title	Docket No.	Status
17 13/269,771	US	10-Oct-11	Solar Cell With Multilayer Absorber	--	PENDING
18 97,126,574	Taiwan	11-Jul-08	Photovoltaic Modules with Integrated Devices	7512-132TW	PENDING
19 97,127,171	Taiwan	17-Jul-08	Photovoltaic Device with a Luminescent Down-Shifting Material	7512-138TW	PENDING
20 PI201100524	Malaysia	9-Apr-10	Method and Apparatus for Controllable Sodium Delivery for Thin Film Photovoltaic Materials	7512-184MY	PENDING
21 3771/KOLNP/2010	India	27-Feb-09	Interconnect Assembly	7512-202IN	PENDING