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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KRISHNAKUMAR VELAPPEN	04/10/2015
SHOU PENG	03/31/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14687938

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DATE SIGNED:	04/16/2015

PATENT 503266283 REEL: 035420 FRAME: 0483

Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif

PATENT REEL: 035420 FRAME: 0484

PATENT APPLICATION ASSIGNMENT

For value received,

Application No.: 14/687,938

Filing date: April 16, 2015

Dr. Krishnakumar Velappan ("Assignor")

Jacobistrasse 11 01309 Dresden Germany Shou Peng ("Assignor")

No. 2000, North Zhongshan RD

Shanghai China

hereinafter assign, transfer and set over to

China Triumph International Engineering Co., Ltd. ("Assignee") 27 F, Zhongqi Bldg. No. 2000 Zhongshan Beilu Shanghai 20003 CHINA

and

CTF Solar GmbH Manfred-von-Ardenne-Ring 20F 01099 Dresden Germany

and their successors or assigns 100% of the following: (A) Assignors' right, title and interest in and to the invention entitled "Method of Manufacturing Thin-Film Solar Cells with a p-Type CdTe Layer" invented by the Assignors; (B) the application for United States patent therefor with the application number and filing date shown above; (C) any patent or reissues of any patent that may be granted thereon; and (D) any provisional patent applications which said application claims priority of, or nonprovisional applications which claim priority of said application, or continuations, continuations-in-part, substitutes or divisions of said application.

Assignors also authorize and request the Commissioner for Patents to issue any resulting patent to the Assignees.

Assignors hereby represent and warrant that they have the legal right and authority to execute this assignment declaration, and to validly assign the entire interest in the patent application to the Assignees. Assignors further represent and warrant that they have not executed any agreement that would conflict with the terms of this assignment declaration, nor shall they execute any such agreement in the future.

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Patent Application Assignment Method of Manufacturing Thin-Film Solar Cells with a p-Type CdTe Layer

PATENT REEL: 035420 FRAME: 0485 Assignors hereby agree to execute all papers and to take any further actions necessary to aid the Assignees in perfecting its interest in the patent application, and in any letters patent granted thereon, and in enforcing any and all protections or privileges deriving from the patent application or from said letters patent.

IN WITNESS WHEREOF, the Assignors have executed the document on the date shown below.

I hereby authorize and request my attorney, Michael Soderman of Tauentzienstr. 9-12, 19789 Berlin, Germany, to insert the filing date and application number of said application above when known.

Signature: City, Date: Dresden, 40.04.2045

Signature: City, Date: 3.34.20/5