

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>Yu-Chou CHAO</td> <td>05/29/2012</td> </tr> <tr> <td>Yun-Yun CHU</td> <td>05/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yu-Chou CHAO	05/29/2012	Yun-Yun CHU	05/29/2012		
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Yun-Yun CHU	05/29/2012								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>TAIWAN TEXTILE RESEARCH INSTITUTE</td> </tr> <tr> <td>Street Address:</td> <td>NO.6, CHEN-TIAN RD., TU-CHEN DIST.</td> </tr> <tr> <td>City:</td> <td>NEW TAIPEI CITY</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> </table>		Name:	TAIWAN TEXTILE RESEARCH INSTITUTE	Street Address:	NO.6, CHEN-TIAN RD., TU-CHEN DIST.	City:	NEW TAIPEI CITY	State/Country:	TAIWAN
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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>13484288</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13484288				
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CORRESPONDENCE DATA									
<p>Fax Number: (888)388-6582 Phone: (888)388-6609 Email: info@ckc-ip.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: CKC & Partners Co., Ltd. Address Line 1: 12th Floor, Ruttonjee House 11 Duddell Address Line 2: Street Address Line 4: Hong Kong, HONG KONG</p>									
ATTORNEY DOCKET NUMBER:	TWT02187/US								
NAME OF SUBMITTER:	James Lynn O'Sullivan								
<p>Total Attachments: 2 source=TWT02187US-assignment#page1.tif source=TWT02187US-assignment#page2.tif</p>									

CH \$40.00 13484288

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) _____
METHOD FOR FABRICATING PHOTOANODE FOR DYE-SENSITIZED SOLAR
CELL

The PATENT RIGHTS referred to in this agreement are:

(check one) ☒ a patent application for this invention, executed by the ASSIGNOR(S)
 concurrently with this assignment.

☐ U.S. patent application Serial No. _____, filed _____

☐ a U.S. patent application based on PCT International Application
 No. _____ filed on (date) _____ (U.S. patent application
 Serial No. _____, if known).

☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of
 the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

(check one) ☒ U.S. patent rights only.

☐ Worldwide patent rights. In this case, the assignee shall have the right to
 claim the benefit of the filing date of any U.S. or foreign patent application
 for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures
 appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) TAIWAN TEXTILE RESEARCH INSTITUTE

(Address) NO.6, CHEN-TIAN RD., TU-CHEN DIST., NEW TAIPEI CITY, TAIWAN,
R.O.C.

The ASSIGNEE is:

(check one) ☐ An individual.

☐ A Partnership.

☒ A Corporation of TAIWAN, R.O.C. (specify state or country)

☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and
 valuable consideration, receipt of which is acknowledged, hereby assign(s) the following
 rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable
 provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
 ASSIGNEE: TAIWAN TEXTILE RESEARCH INSTITUTE

INVENTION TITLE: METHOD FOR FABRICATING PHOTOANODE FOR
 DYE-SENSITIZED SOLAR CELL

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Yu-Chou CHAO

Name of sole or first inventor

Signature

Date

Yun-Yun CHU

Name of second inventor, if any

Signature

Date