

PATENT ASSIGNMENT

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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>Yao-Shan WU</td> <td>06/19/2012</td> </tr> <tr> <td>Yung-Liang Tung</td> <td>06/19/2012</td> </tr> <tr> <td>Jen-An CHEN</td> <td>06/19/2012</td> </tr> <tr> <td>Chun-Guey WU</td> <td>06/19/2012</td> </tr> <tr> <td>Jheng-Ying LI</td> <td>06/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yao-Shan WU	06/19/2012	Yung-Liang Tung	06/19/2012	Jen-An CHEN	06/19/2012	Chun-Guey WU	06/19/2012	Jheng-Ying LI	06/19/2012
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<table border="1"> <tr> <td>Name:</td> <td>Industrial Technology Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>195 Chung Hsing Rd., Sec.4, Chutung</td> </tr> <tr> <td>City:</td> <td>Hsinchu</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> </table>		Name:	Industrial Technology Research Institute	Street Address:	195 Chung Hsing Rd., Sec.4, Chutung	City:	Hsinchu	State/Country:	TAIWAN				
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CORRESPONDENCE DATA													
<p>Fax Number: 7036217155</p> <p>Phone: 703-621-7140</p> <p>Email: Mailroom@mg-ip.com</p> <p><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: Muncy, Geissler, Olds, & Lowe, PLLC</p> <p>Address Line 1: 4000 Legato Rd.</p> <p>Address Line 2: Suite 310</p> <p>Address Line 4: Fairfax, VIRGINIA 22033</p>													
ATTORNEY DOCKET NUMBER:	0941/2787PUS1												
NAME OF SUBMITTER:	Joe MckInney Muncy												
<p>Total Attachments: 2</p> <p>source=2012-08-03-Assignment#page1.tif</p> <p>source=2012-08-03-Assignment#page2.tif</p>													

OP \$40.00 13566697

ASSIGNMENT

WHEREAS, Yao-Shan WU, Yung-Liang TUNG, Jen-An CHEN, Chun-Guey WU and Jheng-Ying LI
hereafter referred to as ASSIGNOR, has/have invented certain new and useful
improvements as described and set forth in the below identified application for United
States Letters Patent:

Title: DYES AND PHOTOELECTRIC CONVERSION DEVICES CONTAINING THE SAME
Filed: _____ Serial No. _____
Executed on: _____

WHEREAS, Industrial Technology Research Institute of 195
Chung Hsing Rd., Sec. 4, Chutung, Hsinchu, Taiwan, R.O.C. hereinafter
referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said
invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for
good and valuable consideration, receipt of which is hereby acknowledged by Assignor,
Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign
and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their
rights, title and interest in and to the said invention and application and all future
improvements thereon, and in and to any Letters Patent which may hereafter be granted on
the same in the United States, the said interest to be held and enjoyed by said Assignee as
fully and exclusively as it would have been held and enjoyed by said Assignor had this
Assignment and transfer not been made, to the full end and term of any Letters Patent which
may be granted thereon, or of any division, renewal, continuation in whole or in part,
substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said
Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said
application and/or applications, execute, verify, acknowledge and deliver all such further
papers, including applications for Letters Patent and for the reissue thereof, and instruments
of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may
request, to obtain or maintain Letters Patent for said invention and improvement, and to vest
title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the
date(s) indicated.

Yao-Shan Wu
Yao-Shan WU

2012-06-19
Date:

Yung-Liang Tung
Yung-Liang TUNG

2012-06-19
Date:

ASSIGNMENT

Jen-An Chen
Jen-An CHEN

2012-06-19
Date:

Chun-Guey Wu
Chun-Guey WU

2012-06-19
Date:

Jheng-Ying Li
Jheng-Ying LI

2012-06-19
Date: