

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>Yueh-Chuan HUANG</td> <td>06/26/2012</td> </tr> <tr> <td>Chyi-Ming LEU</td> <td>06/26/2012</td> </tr> <tr> <td>Meng-Ting HSIEH</td> <td>06/26/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Yueh-Chuan HUANG | 06/26/2012 | Chyi-Ming LEU | 06/26/2012 | Meng-Ting HSIEH | 06/26/2012 | | |
| Name | Execution Date | | | | | | | | | | |
| Yueh-Chuan HUANG | 06/26/2012 | | | | | | | | | | |
| Chyi-Ming LEU | 06/26/2012 | | | | | | | | | | |
| Meng-Ting HSIEH | 06/26/2012 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Industrial Technology Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>No. 195, Sec. 4, Chung Hsing Rd., Chutung</td> </tr> <tr> <td>City:</td> <td>Hsinchu</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> <tr> <td>Postal Code:</td> <td>31040</td> </tr> </table> | | Name: | Industrial Technology Research Institute | Street Address: | No. 195, Sec. 4, Chung Hsing Rd., Chutung | City: | Hsinchu | State/Country: | TAIWAN | Postal Code: | 31040 |
| Name: | Industrial Technology Research Institute | | | | | | | | | | |
| Street Address: | No. 195, Sec. 4, Chung Hsing Rd., Chutung | | | | | | | | | | |
| City: | Hsinchu | | | | | | | | | | |
| State/Country: | TAIWAN | | | | | | | | | | |
| Postal Code: | 31040 | | | | | | | | | | |
| 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>13570282</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13570282 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13570282 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: 7032058050</p> <p>Phone: 703-205-8000</p> <p>Email: mailroom@bskb.com, tchau@bskb.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: BIRCH, STEWART, KOLASCH & BIRCH, LLP</p> <p>Address Line 1: P.O. Box 747</p> <p>Address Line 4: Falls Church, VIRGINIA 22040-0747</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 0941-2631PUS1 | | | | | | | | | | |
| NAME OF SUBMITTER: | PAUL C. LEWIS | | | | | | | | | | |
| <p>Total Attachments: 1</p> <p>source=2012-07-31 Assignment 0941-2631PUS1#page1.tif</p> | | | | | | | | | | | |

OP \$40.00 13570282

PATENT

ASSIGNMENT

WHEREAS, Yueh-Chuan HUANG, Chyi-Ming LEU and Meng-Ting HSIEH 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: OPTICAL DEVICE STRUCTURES WITH THE LIGHT OUTCOUPLING LAYERS

Filed: August 9, 2012

Serial No. 13/570,282

Executed on June 26, 2012

WHEREAS, Industrial Technology Research Institute of No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu 31040, 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.

| | |
|--|----------------------------|
| Full name of sole or first inventor: Yueh-Chuan HUANG | |
| Inventor's signature: <u>Yueh - Chuan Huang</u> | Date: <u>2012.06.26</u> |

| | |
|--|----------------------------|
| Full name of second inventor: Chyi-Ming LEU | |
| Inventor's signature: <u>Chyi-Ming LEU</u> | Date: <u>2012.06.26</u> |

| | |
|---|------------------------|
| Full name of third inventor: Meng-Ting HSIEH | |
| Inventor's signature: <u>Hsieh Meng-Ting</u> | Date: <u>2012.6.26</u> |