

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>Ming-Teng KUO</td> <td>01/14/2010</td> </tr> <tr> <td>Jang-Ho CHEN</td> <td>01/15/2010</td> </tr> <tr> <td>Ching-Hwa CHANG JEAN</td> <td>01/20/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Ming-Teng KUO | 01/14/2010 | Jang-Ho CHEN | 01/15/2010 | Ching-Hwa CHANG JEAN | 01/20/2010 |
| Name | Execution Date | | | | | | | | |
| Ming-Teng KUO | 01/14/2010 | | | | | | | | |
| Jang-Ho CHEN | 01/15/2010 | | | | | | | | |
| Ching-Hwa CHANG JEAN | 01/20/2010 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | WALSIN LIHWA CORPORATION | | | | | | | | |
| Street Address: | No. 566-3, Gao-Shi Rd., Kao-Shan Li | | | | | | | | |
| Internal Address: | Yang-mei | | | | | | | | |
| City: | Taoyuan | | | | | | | | |
| State/Country: | TAIWAN | | | | | | | | |
| Postal Code: | 326 | | | | | | | | |
| 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>12697414</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12697414 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 12697414 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
| Fax Number: | (703)683-1080 | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | |
| Phone: | 7036830500 | | | | | | | | |
| Email: | MAIL@BACONTHOMAS.COM | | | | | | | | |
| Correspondent Name: | BACON & THOMAS, PLLC | | | | | | | | |
| Address Line 1: | 625 SLATERS LANE | | | | | | | | |
| Address Line 2: | FOURTH FLOOR | | | | | | | | |
| Address Line 4: | ALEXANDRIA, VIRGINIA 22314-1176 | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | KUOM3013/EM | | | | | | | | |
| NAME OF SUBMITTER: | Eugene Mar | | | | | | | | |
| Total Attachments: 2 | | | | | | | | | |

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**PATENT
 REEL: 023877 FRAME: 0234**

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ASSIGNMENT BY INVENTOR(S) OF U.S. APPLICATION

WHEREAS, I am the original, first and sole inventor and I own (if only one name is listed below) or an original, first and joint inventor and the joint inventors own (if plural names are listed below) (referred to as "ASSIGNOR" below) the subject matter which is claimed and for which a patent is sought on the invention (referred to as the "INVENTION" below) entitled:

Title: **METHOD FOR ENHANCING LIGHT EXTRACTION EFFICIENCY OF LIGHT EMITTING DIODES**

the specification of which (check one):

| | | |
|-------------------------------------|---|----------------------------|
| <input checked="" type="checkbox"/> | is executed on even date herewith. | |
| <input type="checkbox"/> | was filed on (day-month-year) | as U.S. Application Number |
| <input type="checkbox"/> | was filed on (day-month-year) | as PCT Application Number |
| <input type="checkbox"/> | was executed on the following date(s) (day-month-year) | |

WHEREAS, **WALSH LIHWA CORPORATION**

having a postal address of **No.566-3, Gao-Shi Rd., Kao-Shan Li, Yang-mei, Taoyuan 326, Taiwan, R.O.C.**

(referred to as "ASSIGNEE" below) desires to acquire the entire right, title and interest in and to the same in the U.S.;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

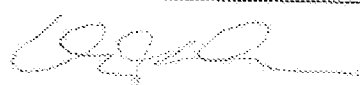
ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

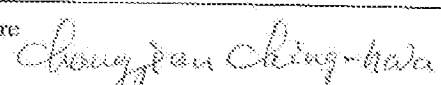
ASSIGNOR authorizes any member of the firm of Bacon & Thomas, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

| | |
|---|---|
| Full Name of First or Sole Inventor Ming-Teng KUO | Post Office Address No.566-3, Kao-Shi Rd., Kao-Shan Li, Yang-mei, Taoyuan 326, Taiwan, R.O.C. |
| Citizenship Taiwan, R.O.C. | Residence (city, and either state or foreign country, MPEP §605.02) No.566-3, Kao-Shi Rd., Kao-Shan Li, Yang-mei, Taoyuan 326, Taiwan, R.O.C. |
| Date 2010.01.14 | Signature Ming-Teng Kuo |

See following page(s) for additional joint inventors.

**SUPPLEMENTAL PAGE FOR A
Assignment by Inventor(s) of U.S. Application**

| | |
|---|--|
| Full Name of Joint Inventor Jang-Ho CHEN | Post Office Address No.566-3, Kao-Shi Rd., Kao-Shan Li, Yang-mei, Taoyuan 326, Taiwan, R.O.C. |
| Citizenship Taiwan, R.O.C. | Residence (city, and either state or foreign country, MPEP §605.02) No.566-3, Kao-Shi Rd., Kao-Shan Li, Yang-mei, Taoyuan 326, Taiwan, R.O.C. |
| Date 2010.06.15 | Signature  |

| | |
|---|--|
| Full Name of Joint Inventor Ching-Hwa CHANG JEAN | Post Office Address No.566-3, Kao-Shi Rd., Kao-Shan Li, Yang-mei, Taoyuan 326, Taiwan, R.O.C. |
| Citizenship Taiwan, R.O.C. | Residence (city, and either state or foreign country, MPEP §605.02) No.566-3, Kao-Shi Rd., Kao-Shan Li, Yang-mei, Taoyuan 326, Taiwan, R.O.C. |
| Date 2010.01.20 | Signature  |

| | |
|-----------------------------|---|
| Full Name of Joint Inventor | Post Office Address |
| Citizenship | Residence (city, and either state or foreign country, MPEP §605.02) |
| Date | Signature |

| | |
|-----------------------------|---|
| Full Name of Joint Inventor | Post Office Address |
| Citizenship | Residence (city, and either state or foreign country, MPEP §605.02) |
| Date | Signature |