

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>Ryoji YOKOTANI</td> <td>11/22/2011</td> </tr> <tr> <td>Yoji URANO</td> <td>11/15/2011</td> </tr> <tr> <td>Ikko KUZUHARA</td> <td>11/17/2011</td> </tr> <tr> <td>Kenichiro TANAKA</td> <td>11/15/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Ryoji YOKOTANI | 11/22/2011 | Yoji URANO | 11/15/2011 | Ikko KUZUHARA | 11/17/2011 | Kenichiro TANAKA | 11/15/2011 |
| Name | Execution Date | | | | | | | | | | |
| Ryoji YOKOTANI | 11/22/2011 | | | | | | | | | | |
| Yoji URANO | 11/15/2011 | | | | | | | | | | |
| Ikko KUZUHARA | 11/17/2011 | | | | | | | | | | |
| Kenichiro TANAKA | 11/15/2011 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Panasonic Electric Works Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>1048, Oaza-Kadoma, Kadoma-shi</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table> | | Name: | Panasonic Electric Works Co., Ltd. | Street Address: | 1048, Oaza-Kadoma, Kadoma-shi | City: | Osaka | State/Country: | JAPAN | | |
| Name: | Panasonic Electric Works Co., Ltd. | | | | | | | | | | |
| Street Address: | 1048, Oaza-Kadoma, Kadoma-shi | | | | | | | | | | |
| City: | Osaka | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | |
| 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>13331028</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13331028 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13331028 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (571)970-5692 Phone: 7036830500 Email: MAIL@BACONTHOMAS.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: BACON & THOMAS, PLLC Address Line 1: 625 SLATERS LANE Address Line 2: FOURTH FLOOR Address Line 4: ALEXANDRIA, VIRGINIA 22314-1176</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | YOKO3016/EM | | | | | | | | | | |
| NAME OF SUBMITTER: | Eugene Mar | | | | | | | | | | |
| <p>Total Attachments: 2 source=YOKO3016_assignment_122011#page1.tif source=YOKO3016_assignment_122011#page2.tif</p> | | | | | | | | | | | |

OP \$40.00 13331028

ASSIGNMENT

WHEREAS, I (we), Ryoji YOKOTANI, Yoji URANO, Ikko KUZUHARA and Kenichiro TANAKA whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful improvements in **LIGHT EMITTING DEVICE AND ILLUMINATION APPARATUS USING SAME** (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

- executed on even date herewith
 executed on:
 filed on: Serial No.:
 established by PCT International Patent Application No.: filed:
designating the United States of America

WHEREAS, **Panasonic Electric Works Co., Ltd.**

whose post office address is **1048, Oaza-Kadoma, Kadoma-shi, Osaka, Japan** hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent 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 application(s) 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 Letters Patent 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 Letters 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 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

ASSIGNMENT

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|--------------------|---------------------|--------------------|---------------------|
| Assignor Name | Ryoji YOKOTANI | Address | Hirakata-shi, Japan |
| Where Signed | Hirakata-shi, Japan | | |
| Date | 11/22 / 2011 | Signature | 横谷 良二 |
| Witness (optional) | | Witness (optional) | |
| | Print/Type Name | | Print/Type Name |
| | Signature | | Signature |

| | | | |
|--------------------|------------------|--------------------|------------------|
| Assignor Name | Yoji URANO | Address | Ikeda-shi, Japan |
| Where Signed | Ikeda-shi, Japan | | |
| Date | 11/15 / 2011 | Signature | 浦野 洋二 |
| Witness (optional) | | Witness (optional) | |
| | Print/Type Name | | Print/Type Name |
| | Signature | | Signature |

| | | | |
|--------------------|---------------------|--------------------|---------------------|
| Assignor Name | Ikko KUZUHARA | Address | Toyonaka-shi, Japan |
| Where Signed | Toyonaka-shi, Japan | | |
| Date | 11 / 17 / 2011 | Signature | 葛原 一功 |
| Witness (optional) | | Witness (optional) | |
| | Print/Type Name | | Print/Type Name |
| | Signature | | Signature |

| | | | |
|--------------------|---------------------|--------------------|---------------------|
| Assignor Name | Kenichiro TANAKA | Address | Neyagawa-shi, Japan |
| Where Signed | Neyagawa-shi, Japan | | |
| Date | 11 / 15 / 2011 | Signature | 田中 健一郎 |
| Witness (optional) | | Witness (optional) | |
| | Print/Type Name | | Print/Type Name |
| | Signature | | Signature |