

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| 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>Yukinari HARAGUCHI</td> <td>10/18/2012</td> </tr> <tr> <td>Takeshi OTSU</td> <td>10/18/2012</td> </tr> <tr> <td>Yutaka MORI</td> <td>10/18/2012</td> </tr> <tr> <td>Tadahiro KATSUMOTO</td> <td>10/19/2012</td> </tr> </tbody> </table> |                                                            | Name          | Execution Date                  | Yukinari HARAGUCHI  | 10/18/2012                          | Takeshi OTSU | 10/18/2012 | Yutaka MORI    | 10/18/2012 | Tadahiro KATSUMOTO | 10/19/2012 |
| Name                                                                                                                                                                                                                                                                                                                                          | Execution Date                                             |               |                                 |                     |                                     |              |            |                |            |                    |            |
| Yukinari HARAGUCHI                                                                                                                                                                                                                                                                                                                            | 10/18/2012                                                 |               |                                 |                     |                                     |              |            |                |            |                    |            |
| Takeshi OTSU                                                                                                                                                                                                                                                                                                                                  | 10/18/2012                                                 |               |                                 |                     |                                     |              |            |                |            |                    |            |
| Yutaka MORI                                                                                                                                                                                                                                                                                                                                   | 10/18/2012                                                 |               |                                 |                     |                                     |              |            |                |            |                    |            |
| Tadahiro KATSUMOTO                                                                                                                                                                                                                                                                                                                            | 10/19/2012                                                 |               |                                 |                     |                                     |              |            |                |            |                    |            |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                          |                                                            |               |                                 |                     |                                     |              |            |                |            |                    |            |
| <table border="1"> <tr> <td>Name:</td> <td>MITSUBISHI CHEMICAL CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Marunouchi 1-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8251</td> </tr> </table>                 |                                                            | Name:         | MITSUBISHI CHEMICAL CORPORATION | Street Address:     | 1-1, Marunouchi 1-chome, Chiyoda-ku | City:        | Tokyo      | State/Country: | JAPAN      | Postal Code:       | 100-8251   |
| Name:                                                                                                                                                                                                                                                                                                                                         | MITSUBISHI CHEMICAL CORPORATION                            |               |                                 |                     |                                     |              |            |                |            |                    |            |
| Street Address:                                                                                                                                                                                                                                                                                                                               | 1-1, Marunouchi 1-chome, Chiyoda-ku                        |               |                                 |                     |                                     |              |            |                |            |                    |            |
| City:                                                                                                                                                                                                                                                                                                                                         | Tokyo                                                      |               |                                 |                     |                                     |              |            |                |            |                    |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                | JAPAN                                                      |               |                                 |                     |                                     |              |            |                |            |                    |            |
| Postal Code:                                                                                                                                                                                                                                                                                                                                  | 100-8251                                                   |               |                                 |                     |                                     |              |            |                |            |                    |            |
| 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>13665696</td> </tr> </tbody> </table>                                                                                                                                                                     |                                                            | Property Type | Number                          | Application Number: | 13665696                            |              |            |                |            |                    |            |
| Property Type                                                                                                                                                                                                                                                                                                                                 | Number                                                     |               |                                 |                     |                                     |              |            |                |            |                    |            |
| Application Number:                                                                                                                                                                                                                                                                                                                           | 13665696                                                   |               |                                 |                     |                                     |              |            |                |            |                    |            |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                           |                                                            |               |                                 |                     |                                     |              |            |                |            |                    |            |
| <p>Fax Number:</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: afoubare@oblon.com</p> <p>Correspondent Name: Oblon Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>                                                     |                                                            |               |                                 |                     |                                     |              |            |                |            |                    |            |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                       | 406953US99CONT                                             |               |                                 |                     |                                     |              |            |                |            |                    |            |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                            | April Foubare                                              |               |                                 |                     |                                     |              |            |                |            |                    |            |
|                                                                                                                                                                                                                                                                                                                                               | This document serves as an Oath/Declaration (37 CFR 1.63). |               |                                 |                     |                                     |              |            |                |            |                    |            |
| <p>Total Attachments: 4</p> <p>source=406953USASSIGNMENT#page1.tif</p> <p>source=406953USASSIGNMENT#page2.tif</p> <p>source=406953USASSIGNMENT#page3.tif</p> <p>source=406953USASSIGNMENT#page4.tif</p>                                                                                                                                       |                                                            |               |                                 |                     |                                     |              |            |                |            |                    |            |

OP \$40.00 13665696

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |
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| <b>Title of<br/>Invention</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>PACKAGE FOR SEMICONDUCTOR LIGHT-EMITTING DEVICE AND<br/>LIGHT-EMITTING DEVICE</b> |
| <p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input checked="" type="checkbox"/> The attached application, or</p> <p>is directed to: <input type="checkbox"/> United States application or PCT international application number _____<br/>filed on _____</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, <u>MITSUBISHI CHEMICAL CORPORATION</u><br/>(hereinafter referred to as "ASSIGNEE") having places of business at: <u>1-1, Marunouchi 1-chome, Chiyoda-ku,<br/>Tokyo 100-8251 Japan</u>, is desirous of acquiring the entire right, title and interest in and to said invention and in and<br/>to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and<br/>all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby<br/>acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto<br/>said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions<br/>and in all foreign countries (including the right to claim priority under the terms of the International Convention and<br/>other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and<br/>interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial<br/>possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations,<br/>substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and<br/>any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the<br/>assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its<br/>(his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and<br/>entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me<br/>respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional,<br/>continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and<br/>all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything<br/>possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said<br/>invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001<br/>by fine or imprisonment of not more than five (5) years, or both.</p> |                                                                                      |
| <b>LEGAL NAME OF INVENTOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |
| Inventor: <u>Yukinari HARAGUCHI</u> Date: <u>Oct. 18, 2012</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      |
| Signature: <u>Yukinari HARAGUCHI</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.**  
ATTORNEYS AT LAW  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314

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| Inventor: <u>Takeshi OTSU</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date: <u>10.18, 2012</u>                                                             |
| Signature: <u>Takeshi Otsu</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |

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| Inventor: <u>Yutaka MORI</u> Date: <u>Oct. 18, 2012</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                      |
| Signature: <u><i>Yutaka Mori</i></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |

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| <b>Title of<br/>Invention</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>PACKAGE FOR SEMICONDUCTOR LIGHT-EMITTING DEVICE AND<br/>LIGHT-EMITTING DEVICE</b> |
| <p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input checked="" type="checkbox"/> The attached application, or</p> <p>is directed to: <input type="checkbox"/> United States application or PCT international application number _____<br/>filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, <u>MITSUBISHI CHEMICAL CORPORATION</u><br/>(hereinafter referred to as "ASSIGNEE") having places of business at: <u>1-1, Marunouchi 1-chome, Chiyoda-ku,<br/>Tokyo 100-8251 Japan</u>, is desirous of acquiring the entire right, title and interest in and to said invention and in and<br/>to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and<br/>all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby<br/>acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto<br/>said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions<br/>and in all foreign countries (including the right to claim priority under the terms of the International Convention and<br/>other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and<br/>interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial<br/>possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations,<br/>substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and<br/>any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the<br/>assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its<br/>(his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and<br/>entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me<br/>respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional,<br/>continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and<br/>all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything<br/>possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said<br/>invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001<br/>by fine or imprisonment of not more than five (5) years, or both.</p> |                                                                                      |
| <b>LEGAL NAME OF INVENTOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                      |
| Inventor: <u>Tadahiro KATSUMOTO</u> Date: <u>October 19, 2012</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
| Signature: <u>T. Katsumoto</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |

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