

## 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>Daisuke HIRAIWA</td> <td>08/23/2012</td> </tr> <tr> <td>Takehiko OKABE</td> <td>08/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Daisuke HIRAIWA	08/23/2012	Takehiko OKABE	08/23/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SHOWA DENKO K.K.</td> </tr> <tr> <td>Street Address:</td> <td>13-9, Shiba Daimon 1-chome</td> </tr> <tr> <td>City:</td> <td>Minato-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>1058518</td> </tr> </table>		Name:	SHOWA DENKO K.K.	Street Address:	13-9, Shiba Daimon 1-chome	City:	Minato-ku, Tokyo	State/Country:	JAPAN	Postal Code:	1058518
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CORRESPONDENCE DATA											
<p>Fax Number: 2022937860  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-293-7060        Email: dhunter@sughrue.com, sughrue@sughrue.com        Correspondent Name: Sughrue Mion, PLLC        Address Line 1: 2100 Pennsylvania Avenue NW        Address Line 4: Washington, DISTRICT OF COLUMBIA 20037</p>											
ATTORNEY DOCKET NUMBER:	Q142551										
NAME OF SUBMITTER:	Darryl Hunter, New Apps Specialist										
<p>Total Attachments: 1        source=Q142551_Assignment_as_filed#page1.tif</p>											

OP \$40.00 13639608

## Assignment

Whereas, I/We, Daisuke HIRAIWA c/o SHOWA DENKO K.K., 5-1, Yawata Kaigan dori, Ichihara-shi, Chiba, 2900067, Japan, Takehiko OKABE c/o SHOWA DENKO K.K., 5-1, Yawata Kaigan dori, Ichihara-shi, Chiba, 2900067, Japan, hereinafter called assignor(s), have invented certain improvements in SEMICONDUCTOR LIGHT EMITTING CHIP AND METHOD FOR PROCESSING SUBSTRATE and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, SHOWA DENKO K.K., of 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo, 1058518, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 13/639,608 and Confirmation number 3385, filed October 5, 2012) the application number and filing date of said application when known.

Date: August 23, 2012 Daisuke HIRAIWA  
s/ Daisuke HIRAIWA

Date: August 23, 2012 Takehiko Okabe  
s/ Takehiko OKABE

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)