

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>Kenichi YOSHIMURA</td> <td>02/04/2013</td> </tr> <tr> <td>Kohsei TAKAHASHI</td> <td>02/04/2013</td> </tr> <tr> <td>Hiroshi FUKUNAGA</td> <td>02/04/2013</td> </tr> <tr> <td>Naoto HIROSAKI</td> <td>01/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kenichi YOSHIMURA	02/04/2013	Kohsei TAKAHASHI	02/04/2013	Hiroshi FUKUNAGA	02/04/2013	Naoto HIROSAKI	01/18/2013
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<table border="1"> <tr> <td>Name:</td> <td>Sharp Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>22-22, Nagaïke-cho</td> </tr> <tr> <td>City:</td> <td>Abeno-ku, Osaka-shi, Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>545-8522</td> </tr> </table>		Name:	Sharp Kabushiki Kaisha	Street Address:	22-22, Nagaïke-cho	City:	Abeno-ku, Osaka-shi, Osaka	State/Country:	JAPAN	Postal Code:	545-8522
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<table border="1"> <tr> <td>Name:</td> <td>NATIONAL INSTITUTE FOR MATERIALS SCIENCE</td> </tr> <tr> <td>Street Address:</td> <td>2-1, Sengen 1-chome</td> </tr> <tr> <td>City:</td> <td>Tsukuba-shi, Ibaraki</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>305-0047</td> </tr> </table>		Name:	NATIONAL INSTITUTE FOR MATERIALS SCIENCE	Street Address:	2-1, Sengen 1-chome	City:	Tsukuba-shi, Ibaraki	State/Country:	JAPAN	Postal Code:	305-0047
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	Maura Florimonte
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Total Attachments: 2 source=70404-1374-PTO-20130221-Assignment#page1.tif source=70404-1374-PTO-20130221-Assignment#page2.tif
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Attorney Docket No.: .

ASSIGNMENT (WORLDWIDE)

WHEREAS, We, Kenichi YOSHIMURA, Kohsei TAKAHASHI, Hiroshi FUKUNAGA and Naoto HIROSAKI (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **LIGHT-EMITTING DEVICE** for which application for Letters Patent of the United States has been

 X executed on even date herewith;
 X filed on 01-24-13 as Serial No. 13/811,933.

WHEREAS, ①SHARP KABUSHIKI KAISHA, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, Japan ②NATIONAL INSTITUTE FOR MATERIALS SCIENCE, 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki 305-0047, Japan (hereinafter referred to as ASSIGNEE), are desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefore;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Dated: February 4, 2013

Kenichi Yoshimura
 Kenichi YOSHIMURA

Dated: Feb. 4, 2013

Kohsei Takahashi
 Kohsei TAKAHASHI

Dated: Feb. 4, 2013

Hiroshi Fukunaga
 Hiroshi FUKUNAGA

Dated: _____

 Naoto HIROSAKI

Attorney Docket No.: .

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Dated: _____

Kenichi YOSHIMURA

Dated: _____

Kohsei TAKAHASHI

Dated: _____

Hiroshi FUKUNAGADated: January 18, 2013_____
Naoto Hiroasaki
Naoto HIROSAKI

PATENT

RECORDED: 02/21/2013

REEL: 029845 FRAME: 0740