

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                   |                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                       |                       |
| <b>CONVEYING PARTY DATA</b>   |                                  |                       |
|   | <b>Name</b>                      | <b>Execution Date</b> |
|   | TOSHIBA TECHNO CENTER INC.       | 10/20/2014            |
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| <b>Postal Code:</b>   | 105-8001                         |                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                  |                       |
|   | <b>Property Type</b>             | <b>Number</b>         |
|   | Application Number:              | 13965799              |
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| <b>NAME OF SUBMITTER:</b>   | SCOTT A. HUGHES                  |                       |
| <b>SIGNATURE:</b>   | /Scott A. Hughes/                |                       |
| <b>DATE SIGNED:</b>   | 10/31/2014                       |                       |
| <b>Total Attachments: 2</b>   |                                  |                       |
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| source=Assignment-Toshiba-to-Kabushiki#page2.tif  |                                  |                       |

## **In the United States Patent and Trademark Office**

**WHEREAS**, Toshiba Techno Center Inc., a corporation, duly organized and existing under the laws of Japan, with offices at 12-1 Ekimae-honcho, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0007, Japan ("ASSIGNOR") owns U.S. Patent Application No. 13/965,799, filed August 13, 2013, the title of whose invention is "Thin-Film LED With P And N Contacts Electrically Isolated From The Substrate" ("ASSIGNED PATENTS");

**WHEREAS**, Kabushiki Kaisha Toshiba, a corporation, duly organized and existing under the laws of Japan, with offices at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan ("ASSIGNEE"), desires to acquire all of the right, title and interest of ASSIGNOR in, to and under the ASSIGNED PATENTS.

**NOW, THEREFORE**, in consideration of good and valuable consideration paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign, transfer and convey unto ASSIGNEE its entire right, title and interest in and to the ASSIGNED PATENTS, including all divisions, continuations, continuations-in-part, reexaminations, substitutions, reissues, extensions and renewals of the applications and registrations for the ASSIGNED PATENTS (and the right to apply for any of the foregoing), and all rights to causes of action and remedies with respect thereto (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of the foregoing).

This ASSIGNMENT may not be supplemented, altered or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this ASSIGNMENT shall not waive any of its rights under such terms or provisions. This ASSIGNMENT shall bind and inure to the benefit of the respective parties and their assigns, transferees and successors.

This ASSIGNMENT may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument and shall become a binding agreement when one or more of the counterparts have been signed by each of the parties and delivered to the other party.

[Signature Page Follows]

IN WITNESS WHEREOF, ASSIGNOR and ASSIGNEE have caused this ASSIGNMENT to be duly executed by authorized officers of ASSIGNOR AND ASSIGNEE on this Twentieth (20) day of October, 2014.

**ASSIGNOR**

By: Toshi Tsuda

Name: Yoshiaki TSUDA

Title: President

**ASSIGNEE**

By: Hideo Kumagai

Name: Hideo KUMAGAI

Title: General Manager, Intellectual Property Division