

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>Tatsuo Uchida</td><td>03/25/2011</td></tr><tr><td>Takahiro Ishinabe</td><td>03/25/2011</td></tr><tr><td>Tohru Kawakami</td><td>03/25/2011</td></tr><tr><td>Tomoaki Suzuki</td><td>06/06/2011</td></tr><tr><td>Kentaro Okuyama</td><td>06/06/2011</td></tr><tr><td>Akira Ebisui</td><td>06/03/2011</td></tr><tr><td>Harumi Sato</td><td>06/06/2011</td></tr><tr><td>Mamoru Mizuno</td><td>05/23/2011</td></tr><tr><td>Masahiro Ikeda</td><td>06/03/2011</td></tr><tr><td>Shogo Shinkai</td><td>06/03/2011</td></tr></tbody></table>		Name	Execution Date	Tatsuo Uchida	03/25/2011	Takahiro Ishinabe	03/25/2011	Tohru Kawakami	03/25/2011	Tomoaki Suzuki	06/06/2011	Kentaro Okuyama	06/06/2011	Akira Ebisui	06/03/2011	Harumi Sato	06/06/2011	Mamoru Mizuno	05/23/2011	Masahiro Ikeda	06/03/2011	Shogo Shinkai	06/03/2011
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<table border="1"><tr><td>Name:</td><td>Sony Corporation</td></tr><tr><td>Street Address:</td><td>1-7-1 Konan, Minato-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>108-0075</td></tr></table>		Name:	Sony Corporation	Street Address:	1-7-1 Konan, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	108-0075												
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PROPERTY NUMBERS Total: 1																							
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CORRESPONDENCE DATA																							

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PATENT  
REEL: 026493 FRAME: 0545

CH \$40.00 13075247

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Correspondent Name: Wolf Greenfield & Sacks, P.C.

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ATTORNEY DOCKET NUMBER:

S1459.70965US00

NAME OF SUBMITTER:

Randy J. Pritzker

Total Attachments: 6

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**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned hereby:

1. Sell, assign and transfer to **Sony Corporation**, a corporation of Japan having a place of business at 1-7-1, Konan, Minato-ku, Tokyo, Japan, 108-0075, and **Tohoku University**, a university of Japan located at 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi, Japan, 980-8577, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on March 30, 2011 under Serial No. 13/075,247, bearing

Attorney Docket No. S1459.70965US00, and entitled  
LIGHTING DEVICE AND DISPLAY DEVICE

and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;

2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;

5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

2256831.1

March 25, 2011

Date

T. Uchida

Inventor: Tatsuo Uchida

March 25, 2011

Date

T. Ishinabe

Inventor: Takahiro Ishinabe

March 25, 2011

Date

T. Kawakami

Inventor: Tohru Kawakami

Date

Inventor: Tomoaki Suzuki

Date

Inventor: Kentaro Okuyama

Date

Inventor: Akira Ebisui

Date

Inventor: Harumi Sato

Date

Inventor: Mamoru Mizuno

Our Docket No. S1459.70965US00  
Sony Ref. No. S11P0863US00J  
Associate Ref. No. SF11-073US

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\_\_\_\_\_  
Date

Inventor: \_\_\_\_\_  
Masahiro Ikeda

\_\_\_\_\_  
Date

Inventor: \_\_\_\_\_  
Shogo Shinkai

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REEL: 026493 FRAME: 0549

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and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;

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Date

Inventor: Tatsuo Uchida

Date

Inventor: Takahiro Ishinabe

Date

Inventor: Tohru Kawakami

June 6, 2011

Date

Inventor: Tomoaki Suzuki

June 6, 2011

Date

Inventor: Kentaro Okuyama

Jun. 3, 2011

Date

Inventor: Akira Ebisui

Jun. 6, 2011

Date

Inventor: Harumi Sato

May 23, 2011

Date

Inventor: Mamoru Mizuno

Our Docket No. S1459.70965US00  
Sony Ref. No. S11P0693US00J  
Associate Ref. No. SF11-073US

Page 3 of 3

Jun 3, 2011  
Date

Masahiro Ikeda  
Inventor: Masahiro Ikeda

Jun 3, 2011  
Date

Shogo Shinkai  
Inventor: Shogo Shinkai

2256831.1