

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>Takuya ISHIZAKA</td> <td>06/14/2012</td> </tr> <tr> <td>Kazuya IKUTA</td> <td>06/14/2012</td> </tr> <tr> <td>Eiji KURIMOTO</td> <td>06/14/2012</td> </tr> <tr> <td>Sumito NISHIOKA</td> <td>06/14/2012</td> </tr> <tr> <td>Keiji SAKAI</td> <td>06/14/2012</td> </tr> <tr> <td>Hirotsugu MATOBA</td> <td>06/15/2012</td> </tr> <tr> <td>Takeshi TAKAYAMA</td> <td>06/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Takuya ISHIZAKA	06/14/2012	Kazuya IKUTA	06/14/2012	Eiji KURIMOTO	06/14/2012	Sumito NISHIOKA	06/14/2012	Keiji SAKAI	06/14/2012	Hirotsugu MATOBA	06/15/2012	Takeshi TAKAYAMA	06/14/2012
Name	Execution Date																
Takuya ISHIZAKA	06/14/2012																
Kazuya IKUTA	06/14/2012																
Eiji KURIMOTO	06/14/2012																
Sumito NISHIOKA	06/14/2012																
Keiji SAKAI	06/14/2012																
Hirotsugu MATOBA	06/15/2012																
Takeshi TAKAYAMA	06/14/2012																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>SHARP KABUSHIKI KAISHA</td> </tr> <tr> <td>Street Address:</td> <td>22-22 Nagaike-cho Abeno-ku</td> </tr> <tr> <td>City:</td> <td>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 Nagaike-cho Abeno-ku	City:	Osaka-shi Osaka	State/Country:	JAPAN	Postal Code:	545-8522						
Name:	SHARP KABUSHIKI KAISHA																
Street Address:	22-22 Nagaike-cho Abeno-ku																
City:	Osaka-shi Osaka																
State/Country:	JAPAN																
Postal Code:	545-8522																
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>13519523</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13519523												
Property Type	Number																
Application Number:	13519523																
CORRESPONDENCE DATA																	
Fax Number:	(617)227-4420																
Phone:	(617)239-0100																
Email:	patents@edwardswildman.com																
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																	
Correspondent Name:	EDWARDS WILDMAN PALMER LLP																
Address Line 1:	P.O. BOX 55874																
Address Line 4:	BOSTON, MASSACHUSETTS 02205																
ATTORNEY DOCKET NUMBER:	91011(70904)																

CH \$40.00 13519523

NAME OF SUBMITTER:

Steven M. Jensen

Total Attachments: 3

source=AssignmentExecuted#page1.tif

source=AssignmentExecuted#page2.tif

source=AssignmentExecuted#page3.tif

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 14th day of June, 2012 and 15th day of June, 2012, by Takuya ISHIZAKA, Kazuya IKUTA, Eiji KURIMOTO, Sumito NISHIOKA, Keiji SAKAI, Hirotsugu MATOBA and Takeshi TAKAYAMA respectively.

WHEREAS, Assignor(s) have invented certain new and useful improvements in LIGHT SOURCE MODULE AND ELECTRONIC APPARATUS PROVIDED WITH SAME set forth in a Patent application for Letters Patent of the United States, filed herewith ; and

WHEREAS, SHARP KABUSHIKI KAISHA, a corporation organized under and pursuant to the laws of Japan having its principal place of business at 22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor(s), had this sale and assignment not been made.

AND for the same consideration, Assignor(s) hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor(s) are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor(s) hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor(s) hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS WILDMAN PALMER LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: June 14, 2012 Signature: Takuya Ishizaka
Takuya ISHIZAKA

Date: June 14, 2012 Signature: Kazuya Ikuta
Kazuya IKUTA

Date: June 14, 2012 Signature: Eiji Kurimoto
Eiji KURIMOTO

Date: June 14, 2012 Signature: Sumito Nishioka
Sumito NISHIOKA

Date: June 14, 2012 Signature: Keiji Sakai
Keiji SAKAI

Date: June 15, 2012 Signature: Hirotsugu Matoba
Hirotsugu MATOBA

Date: June 14, 2012 Signature: Takeshi Takayama
Takeshi TAKAYAMA