

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>Akihiro KOJIMA</td> <td>08/08/2012</td> </tr> <tr> <td>Hideto FURUYAMA</td> <td>08/20/2012</td> </tr> <tr> <td>Miyoko SHIMADA</td> <td>08/08/2012</td> </tr> <tr> <td>Yosuke AKIMOTO</td> <td>08/08/2012</td> </tr> <tr> <td>Hideyuki TOMIZAWA</td> <td>08/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Akihiro KOJIMA	08/08/2012	Hideto FURUYAMA	08/20/2012	Miyoko SHIMADA	08/08/2012	Yosuke AKIMOTO	08/08/2012	Hideyuki TOMIZAWA	08/08/2012
Name	Execution Date												
Akihiro KOJIMA	08/08/2012												
Hideto FURUYAMA	08/20/2012												
Miyoko SHIMADA	08/08/2012												
Yosuke AKIMOTO	08/08/2012												
Hideyuki TOMIZAWA	08/08/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Kabushiki Kaisha Toshiba</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, 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>105-8001</td> </tr> </table>		Name:	Kabushiki Kaisha Toshiba	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8001		
Name:	Kabushiki Kaisha Toshiba												
Street Address:	1-1, Shibaura 1-chome, Minato-ku												
City:	Tokyo												
State/Country:	JAPAN												
Postal Code:	105-8001												
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>13597055</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13597055								
Property Type	Number												
Application Number:	13597055												
CORRESPONDENCE DATA													
Fax Number:	7136234846												
Phone:	713 623 4844												
Email:	psdocketing@pattersonsheridan.com, acollins@pattersonsheridan.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:	Patterson & Sheridan, LLP - Toshiba												
Address Line 1:	3040 Post Oak Blvd												
Address Line 2:	Suite 1500												
Address Line 4:	Houston, TEXAS 77056												
ATTORNEY DOCKET NUMBER:	TOSH/0510US												

OP \$40.00 13597055

NAME OF SUBMITTER:

Walter C. Grollitsch

Total Attachments: 2

source=TOSH0510us_Assignment#page1.tif

source=TOSH0510us_Assignment#page2.tif

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Akihiro KOJIMA Kanagawa-ken, Japan	2)	Hideto FURUYAMA Kanagawa-ken, Japan
3)	Miyoko SHIMADA Kanagawa-ken, Japan	4)	Yosuke AKIMOTO Kanagawa-ken, Japan
5)	Hideyuki TOMIZAWA Gunma-ken, Japan		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"LIGHT EMITTING MODULE "

for which an application for Letters Patent in the United States:

- ☒ is executed concurrently herewith.
☐ was executed on _____
☐ was filed on _____, under Serial No _____

WHEREAS, Kabushiki Kaisha Toshiba, a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 JAPAN (hereinafter referred to as Assignee), are desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, continuation or continuation-in-part of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing, continuation-in-part or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by

said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

- 1) 2012/8/8 (DATE) Akihiro Kojima
Akihiro KOJIMA
- 2) Aug. 20. 2012 (DATE) Hideto Furuyama
Hideto FURUYAMA
- 3) 2012/8/8 (DATE) Miyoko Shimada
Miyoko SHIMADA
- 4) 2012/8/8 (DATE) Yosuke Akimoto
Yosuke AKIMOTO
- 5) 2012/8/8 (DATE) Hideyuki Tomizawa
Hideyuki TOMIZAWA