502357021 05/22/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yosuke AKIMOTO	04/16/2013
Akihiro KOJIMA	04/23/2013
Miyoko SHIMADA	04/23/2013
Hideyuki TOMIZAWA	04/17/2013
Yoshiaki SUGIZAKI	04/24/2013
Hideto FURUYAMA	04/24/2013

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA	
Street Address:	1-1 Shibaura 1-chome	
Internal Address:	Minato-ku	
City:	Tokyo	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13848117	

CORRESPONDENCE DATA

Fax Number: 2123195101

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2123194900

Email: belieberman@hhpatent.com

Correspondent Name: Holtz Goodman & Chick PC

Address Line 1: 220 Fifth Avenue Address Line 2: 16th Floor

Address Line 4: New York, NEW YORK 10009

ATTORNEY DOCKET NUMBER: 13322

PATENT REEL: 030467 FRAME: 0912 \$40.00 138

502357021

NAME OF SUBMITTER:	Blake Edward Lieberman	
Signature:	/Blake Edward Lieberman/	
Date:	05/22/2013	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6 source=13322_Dec_Assign#page1.tif source=13322_Dec_Assign#page2.tif source=13322_Dec_Assign#page3.tif source=13322_Dec_Assign#page4.tif source=13322_Dec_Assign#page5.tif source=13322_Dec_Assign#page6.tif		

Title of Invention SEMICONDUCTOR LIGHT EMITTING DEVICE AND LIGHT EMITTING DEVICE

As the below named inventor, I hereby declare that:

This declaration

[] The attached application, or

is directed to:

[X] United States application or PCT international application number <u>13/848,117</u> filed on <u>March 21, 2013</u>.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to Kabushiki Kaisha Toshiba, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filling of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR		
Yosuke AKIMOTO LOSULE AFING Apr. 16, 2013		Apr. 18, 2013
Inventor	Signature	Date

Holtz, Holtz, Goodman & Chick PC

220 Fifth Avenue, 16th Floor, New York, NY 10001-7708 Tel. (212) 319-4900 Fax. (212) 319-5101

Title of Invention SEMICONDUCTOR LIGHT EMITTING DEVICE AND LIGHT EMITTING **DEVICE**

As the below named inventor, I hereby declare that:

This declaration

[] The attached application, or

is directed to:

[X] United States application or PCT international application number 13/848,117 filed on March 21, 2013 .

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to Kabushiki Kaisha Toshiba, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Akihiro KOJIMA	Alcihi no logi nu	Apr. 23, 2013
Inventor	Signature	Date

Holtz, Holtz, Goodman & Chick PC

220 Fifth Avenue, 16th Floor, New York, NY 10001-7708 Tel. (212) 319-4900 Fax. (212) 319-5101

> **PATENT** REEL: 030467 FRAME: 0915

1048008589

Title of Invention

SEMICONDUCTOR LIGHT EMITTING DEVICE AND LIGHT EMITTING DEVICE

As the below named inventor, I hereby declare that:

This declaration

[] The attached application, or

is directed to:

[X] United States application or PCT international application number 13/848,117 filed on March 21, 2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to Kabushiki Kaisha Toshiba, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Miyoko SHIMADA Miyoko Shimada Apr. 33. 20/3 Inventor Signature Date

Holtz, Holtz, Goodman & Chick PC

220 Fifth Avenue, 16th Floor, New York, NY 10001-7708 Tel. (212) 319-4900 Fax. (212) 319-5101

Ī	it	le	0	f	
ı	31		nt	in	,

SEMICONDUCTOR LIGHT EMITTING DEVICE AND LIGHT EMITTING DEVICE

As the below named inventor, I hereby declare that:

This declaration is directed to:

[] The attached application, or

[X] United States application or PCT international application number <u>13/848,117</u> filed on <u>March 21, 2013</u>.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to Kabushiki Kaisha Toshiba, having a business address at 1-1. Shibaura 1-chome, Minato-ku, Tokyo, Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Hideyuki TOMIZAWA	Hilpukitonijawar	Apr. 17, 2013
Inventor	Signature	Date

Holtz, Holtz, Goodman & Chick PC

220 Fifth Avenue, 16th Floor, New York, NY 10001-7708 Tel. (212) 319-4900 Fax. (212) 319-5101

Title of Invention SEMICONDUCTOR LIGHT EMITTING DEVICE AND LIGHT EMITTING DEVICE

As the below named inventor, I hereby declare that:

This declaration

[] The attached application, or

is directed to:

[X] United States application or PCT international application number 13/848,117 filed on March 21, 2013 .

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to Kabushiki Kaisha Toshiba, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filling of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

	LEGAL NAME OF INVENTOR		
Yoshiaki SUGIZAKI	goshiaki Sugjahi Apr. 24, 2013		
Inventor	Signature	Date	

Holtz, Holtz, Goodman & Chick PC

220 Fifth Avenue, 16th Floor, New York, NY 10001-7708 Tel. (212) 319-4900 Fax. (212) 319-5101

T	itle	of
ı	1VA	ntin

SEMICONDUCTOR LIGHT EMITTING DEVICE AND LIGHT EMITTING DEVICE

As the below named inventor, I hereby declare that:

This declaration

[] The attached application, or

is directed to:

[X] United States application or PCT international application number 13/848,117 filed on March 21, 2013

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to Kabushiki Kaisha Toshiba, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Hideto FURUYAMA Thilet M

Inventor Signature

Apr. 24, 2013

Date

Holtz, Holtz, Goodman & Chick PC

220 Fifth Avenue, 16th Floor, New York, NY 10001-7708 Tel. (212) 319-4900 Fax. (212) 319-5101

> PATENT REEL: 030467 FRAME: 0919

1048008589 RECORDED: 05/22/2013