

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Kiyoshi Nishimura</td> <td>08/21/2013</td> </tr> <tr> <td>Kazuo Shimokawa</td> <td>08/21/2013</td> </tr> <tr> <td>Nobuhiko Betsuda</td> <td>08/21/2013</td> </tr> <tr> <td>Akihiro Sasaki</td> <td>08/21/2013</td> </tr> <tr> <td>Miho Watanabe</td> <td>08/21/2013</td> </tr> <tr> <td>Hiroataka Tanaka</td> <td>08/21/2013</td> </tr> <tr> <td>Takuya Honma</td> <td>08/21/2013</td> </tr> <tr> <td>Katsuhisa Matsumoto</td> <td>08/21/2013</td> </tr> <tr> <td>Hideki Okawa</td> <td>08/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kiyoshi Nishimura	08/21/2013	Kazuo Shimokawa	08/21/2013	Nobuhiko Betsuda	08/21/2013	Akihiro Sasaki	08/21/2013	Miho Watanabe	08/21/2013	Hiroataka Tanaka	08/21/2013	Takuya Honma	08/21/2013	Katsuhisa Matsumoto	08/21/2013	Hideki Okawa	08/21/2013
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RECEIVING PARTY DATA																					
Name:	Toshiba Lighting & Technology Corporation																				
Street Address:	1-201-1, Funakoshi-cho																				
City:	Yokosuka-shi, Kanagawa-ken																				
State/Country:	JAPAN																				
Postal Code:	237-8510																				
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>14014809</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14014809																
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CORRESPONDENCE DATA																					
Fax Number:	2028243001																				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																					
Phone:	(202) 824-3000																				
Email:	mhutter@bannerwitcoff.com, bwptopat@bannerwitcoff.com																				
Correspondent Name:	Banner & Witcoff, Ltd.																				
Address Line 1:	1100 13th St. NW																				
Address Line 2:	STE 1200																				

CH \$40.00 14014809

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER: 032847.00025

NAME OF SUBMITTER: Chunhsi A. Mu

Signature: /Chunhsi Andy Mu/

Date: 09/03/2013

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 18

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COMBINED PATENT DECLARATION AND ASSIGNMENT

発明の名称 TITLE OF INVENTION:	LIGHT-EMITTING DEVICE AND LUMINAIRE
DECLARATION	
<p>下記発明者である私は、つぎのことがらを宣誓します。 As a below named inventor, I hereby declare that:</p>	
本宣誓は • This declaration is directed to:	<p><input checked="" type="checkbox"/> 添付されている、あるいは The attached application, or</p> <p><input type="checkbox"/> 米国出願、あるいは _____ に出願されたPCT国際出願番号 _____ _____ として出願されているものに宛てられています。 United States application or PCT international application number _____ filed on _____.</p>
<p>上記の出願は私自身、あるいは私が権限を授与したものによって行われたものです。 • The above-identified application was made or authorized to be made by me.</p>	
<p>私は本出願書中にあらわれるももとの発明者、あるいはももとの共同発明者です。 • I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p>	
<p>本宣誓書において故意に虚偽の申し立てを行った場合は18 U.S.C. 1001 により、罰金あるいは最高五(5)年の禁固刑、あるいはその両方による罰則の対象となることを認めます。 • 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.</p>	
ASSIGNMENT	
<p>WHEREAS, I, as a below named Inventor/Assignor, have invented the above invention.</p>	
<p>WHEREAS, Toshiba Lighting & Technology Corporation, a corporation, and having its offices and a place of business at 1-201-1, Funakoshi-cho, Yokosuka-shi, Kanagawa, Japan, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:</p>	
<p>NOW, THEREFORE, TO WHOMITMAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.</p>	

Attorney Docket No.

Applicant Docket No. TLG2013014

I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

INVENTOR/ASSIGNER:	
Legal Name: Kiyoshi NISHIMURA	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: 	Date: AUG. 27. 2013

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NOW, THEREFORE, TO WHOMITMAY CONCERN , be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.	

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INVENTOR/ASSIGNER:	
Legal Name: Kazuo SHIMOKAWA	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: <i>Kazuo Shimokawa</i>	Date: AUG. 21. 2013

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<p>下記発明者である私は、つぎのことがらを宣誓します。 As a below named inventor, I hereby declare that:</p>	
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INVENTOR/ASSIGNER:	
Legal Name: Nobuhiko BETSUDA	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: <i>Nobuhiko Betsuda</i>	Date: AUG. 21. 2013

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INVENTOR/ASSIGNER:	
Legal Name: Akihiro SASAKI	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: <i>Akihiro Sasaki</i>	Date: AUG. 21. 2013

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INVENTOR/ASSIGNER:	
Legal Name: Miho WATANABE	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: <i>Miho Watanabe</i>	Date: AUG. 21, 2013

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Applicant Docket No. TLG2013014

I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

INVENTOR/ASSIGNER:	
Legal Name: HirotaKa TANAKA	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: <i>HirotaKa Tanaka</i>	Date: AUG. 2 1. 2013

COMBINED PATENT DECLARATION AND ASSIGNMENT

発明の名称 TITLE OF INVENTION:	LIGHT-EMITTING DEVICE AND LUMINAIRE
DECLARATION	
<p>下記発明者である私は、つぎのことがらを宣誓します。 As a below named inventor, I hereby declare that:</p> <p>本宣誓は</p> <ul style="list-style-type: none"> • This declaration <input checked="" type="checkbox"/> 添付されている、あるいは is directed to: The attached application, or <input type="checkbox"/> 米国出願、あるいは _____ に出願されたPCT国際出願番号 _____ _____として出願されているものに宛てられています。 United States application or PCT international application number _____ filed on _____. <p>上記の出願は私自身、あるいは私が権限を授与したものによって行われたものです。</p> <ul style="list-style-type: none"> • The above-identified application was made or authorized to be made by me. <p>私は本出願書中にあらわれるももとの発明者、あるいはももとの共同発明者です。</p> <ul style="list-style-type: none"> • I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. <p>本宣誓書において故意に虚偽の申し立てを行った場合は18 U.S.C. 1001 により、罰金あるいは最高五(5)年の禁固刑、あるいはその両方による罰則の対象となることを認めます。</p> <ul style="list-style-type: none"> • 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. 	
ASSIGNMENT	
<p>WHEREAS, I, as a below named Inventor/Assignor, have invented the above invention.</p> <p>WHEREAS, Toshiba Lighting & Technology Corporation, a corporation, and having its offices and a place of business at 1-201-1, Funakoshi-cho, Yokosuka-shi, Kanagawa, Japan, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:</p> <p>NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions.</p> <p>I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.</p>	

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INVENTOR/ASSIGNER:	
Legal Name: Takuya HONMA	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: <i>Takuya Honma</i>	Date: AUG. 21. 2013

COMBINED PATENT DECLARATION AND ASSIGNMENT

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INVENTOR/ASSIGNER:	
Legal Name: Katsuhisa MATSUMOTO	Citizenship: Japan
Residence (City, State, Province): Kanagawa-ken, Japan	
Signature: <i>Katsuhisa Matsumoto</i>	Date: AUG. 21. 2013

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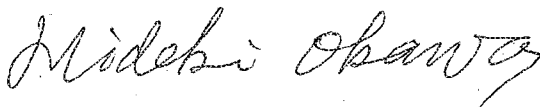
INVENTOR/ASSIGNER:

Legal Name: **Hideki OKAWA**

Citizenship: **Japan**

Residence (City, State, Province): **Kanagawa-ken, Japan**

Signature:



Date: **AUG. 21. 2013**