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PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
SUBMISSION TYPE:	NEW ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Noriyuki Kitamura	08/19/2013

RECEIVING PARTY DATA

Name:	Toshiba Lighting & Technology Corporation
Street Address:	1-201-1, Funakoshi-cho
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State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14024710

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	032847.00033
NAME OF SUBMITTER:	Gary D. Fedorochko
Signature:	/Gary D. Fedorochko/
Date:	09/12/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT REEL: 031189 FRAME: 0893 \$40,00 1402471

COMBINED PATENT DECLARATION AND ASSIGNMENT

TITLE OF INVENTION:	DETECTION CIRCUIT, POWER CIRCUIT, AND LUMINAIRE	
	DECLARATION	
下記発明者である私は、つぎ As a below named inventor, I		
本宣誓は • This declaration is directed to:	添付されている、あるいは ☑ The attached application, or	
	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 numberfiled on	
上記の出願は私自身、 • The above-identified	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。 application was made or authorized to be made by me.	
	われるもともとの発明者、あるいはもともとの共同発明者です。 original inventor or an original joint inventor of a claimed invention in the application.	
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.		
WHEREAS I as a halam name	ASSIGNMENT	
	d Inventor/Assignor, have invented the above invention.	
business at 1-201-1, Funakosh and interest in and to the aforesa	5 & Technology Corporation , a corporation, and having its offices and a place of ni-cho, Yokosuka-shi, Kanagawa, Japan, is desirous of acquiring the entire right, title aid inventions and in and to all applications and Letters Patent therefor granted in the any and all countries foreign thereto:	
NOW, THEREFORE, TO WHO	OMITMAY CONCERN, be it known that, for good and valuable consideration, including	

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.

PATENT REEL: 031189 FRAME: 0894

Attorney Docket No. Applicant Docket No. TLG2013055

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, relssue, 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.

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PATENT REEL: 031189 FRAME: 0895

RECORDED: 09/12/2013