

PATENT ASSIGNMENT

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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>Yuichiro TAKAHARA</td><td>11/07/2011</td></tr><tr><td>Shigeru OSAWA</td><td>11/07/2011</td></tr><tr><td>Takeshi OSADA</td><td>11/07/2011</td></tr><tr><td>Toshifumi MASUDA</td><td>11/07/2011</td></tr><tr><td>Hiromichi NAKAJIMA</td><td>11/07/2011</td></tr></tbody></table>	Name	Execution Date	Yuichiro TAKAHARA	11/07/2011	Shigeru OSAWA	11/07/2011	Takeshi OSADA	11/07/2011	Toshifumi MASUDA	11/07/2011	Hiromichi NAKAJIMA	11/07/2011	
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RECEIVING PARTY DATA													
Name:	TOSHIBA LIGHTING & TECHNOLOGY CORPORATION												
Street Address:	1-201-1, FUNAKOSHI-CHO												
City:	YOKOSUKA-SHI, KANAGAWA												
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>13298490</td></tr></tbody></table>	Property Type	Number	Application Number:	13298490									
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Application Number:	13298490												
CORRESPONDENCE DATA													
Fax Number:	(703)773-5200												
Phone:	703.773.4000												
Email:	PatentProsecutionRes@dlapiper.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:	DLA PIPER LLP US												
Address Line 1:	P. O. BOX 2758												
Address Line 4:	RESTON, VIRGINIA 20195												
ATTORNEY DOCKET NUMBER:	365741-000042												
NAME OF SUBMITTER:	Jacqueline Kimvilakani												
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PATENT
REEL: 027340 FRAME: 0418

ASSIGNMENT OF APPLICATION

WHEREAS, I/we,

Yuichiro TAKAHARA of Kanagawa-ken, Japan,
Shigeru OSAWA of Kanagawa-ken, Japan,
Takeshi OSADA of Kanagawa-ken, Japan,
Toshifumi MASUDA of Kanagawa-ken, Japan,
Hiromichi NAKAJIMA of Kanagawa-ken, Japan,

respectively; have invented certain new and useful improvements in: "LAMP UNIT AND LIGHTING FIXTURE" (hereinafter referred to as the "Invention"), for which an application for Letters Patent was filed on November 17, 2011 (Application No. 13/298,490,); and

WHEREAS, TOSHIBA LIGHTING & TECHNOLOGY CORPORATION, having a place of business at 1-201-1, Funakoshi-cho, Yokosuka-shi, Kanagawa 237-8510, Japan, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the full and exclusive right in and to said Invention and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFOR, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I/we, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right in and to said Invention in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all subsequent applications based thereon including any and all divisions, continuations, substitutions, renewals and reissues thereof together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres.

I/we hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my/our entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE and said ASSIGNEE'S successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me/us had this Assignment and sale not been made.

Further, I/we agree that I/we will communicate to said ASSIGNEE or said ASSIGNEE'S representatives any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEE, and said ASSIGNEE'S successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of DLA Piper US LLP, Attorneys at Law, One Fountain Square, 11911 Freedom Drive, Suite 300, Reston, Virginia 20190-5602, the power to insert on this Assignment any further identification, including the application number and filing date, 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.

Date: Nov. 7. 2011

Yuichiro Takahara
Yuichiro TAKAHARA

Date: Nov. 7. 2011

Shigeru Osaawa
Shigeru OSAWA

Date: Nov. 7. 2011

Takeshi Osada
Takeshi OSADA

Date: Nov. 7. 2011

Toshifumi Masuda
Toshifumi MASUDA

Date: Nov 7 2011

Hiromichi Nakajima
Hiromichi NAKAJIMA