

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Shigeru Osawa	03/03/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Toshiba Lighting & Technology Corporation
<b>Street Address:</b>	3-1, Higashishinagawa 4-chome
<b>Internal Address:</b>	Shinagawa-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	140-8640
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13044369
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	Josefina Cheng
<b>Total Attachments: 2</b> source=29907-114Assignment#page1.tif source=29907-114Assignment#page2.tif	

OP \$40.00 13044369

## ASSIGNMENT

In consideration of value received, I, having a mailing address at  
c/o TOSHIBA LIGHTING & TECHNOLOGY CORPORATION, 3-1,  
Higashishinagawa 4-chome, Shinagawa-ku, Tokyo 140-8640 Japan, and a residence  
as stated below next to my name, the sole inventor (if only one name is listed below)  
or a joint inventor (if plural inventors are listed below) of an invention described in  
an application for United States patent entitled:

LAMP HAVING OUTER SHELL TO RADIATE HEAT OF LIGHT SOURCE

said application having been filed on  
and assigned Application No.

sell and assign to

TOSHIBA LIGHTING & TECHNOLOGY CORPORATION

a corporation of Japan, having a business address at

3-1, Higashishinagawa 4-chome, Shinagawa-ku, Tokyo 140-8640 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire  
right, title and interest in and to said invention as disclosed, shown and described  
in said application for United States patent : (check one)

executed concurrently herewith;

executed separately herefrom;

and in and to all applications for patent and patents for said invention 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 industrial property, including rights of priority,  
resulting from the filing of any of said applications; and I authorize and request  
any official whose duty is to issue patents, to issue any patent on said invention or  
resulting therefrom to said Assignee, and 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 grant the following law firm the power to insert on this Assignment any  
further identification which may be necessary or desirable in order to comply with  
the Rules of the U.S. Patent and Trademark Office for recordation of this document.

DLA Piper Rudnick Gray Cary, 1775 Wiehle Avenue Suite 400 Reston, Virginia  
20190-5159

TLG200615

(06S0142)

ASSIGNMENT

Inventor: (Signature)

Date

Residence

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PATENT

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