

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michio TAKAGAKI</td> <td>12/21/2009</td> </tr> <tr> <td>Akira HOMMA</td> <td>12/22/2009</td> </tr> <tr> <td>Takeshi FUKUYO</td> <td>12/21/2009</td> </tr> </tbody> </table>		Name	Execution Date	Michio TAKAGAKI	12/21/2009	Akira HOMMA	12/22/2009	Takeshi FUKUYO	12/21/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>KOITO MANUFACTURING CO., LTD.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>8-3, Takanawa 4-Chome, Minato-ku</td> </tr> <tr> <td><b>City:</b></td> <td>Tokyo</td> </tr> <tr> <td><b>State/Country:</b></td> <td>JAPAN</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>108-8711</td> </tr> </table>		<b>Name:</b>	KOITO MANUFACTURING CO., LTD.	<b>Street Address:</b>	8-3, Takanawa 4-Chome, Minato-ku	<b>City:</b>	Tokyo	<b>State/Country:</b>	JAPAN	<b>Postal Code:</b>	108-8711
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (202)293-7860</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2022937060</p> <p>Email: mbeyene@sughrue.com</p> <p>Correspondent Name: Sughrue Mion, PLLC.</p> <p>Address Line 1: 2100 Pennsylvania Ave</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20037</p>											
<b>ATTORNEY DOCKET NUMBER:</b>	Q116979										
<b>NAME OF SUBMITTER:</b>	Steven M. Gruskin										
<p>Total Attachments: 1</p> <p>source=Assignment#page1.tif</p>											

CH \$40.00 12691935

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**PATENT**  
**REEL: 023833 FRAME: 0290**

# ASSIGNMENT

Whereas, I/we Michio TAKAGAKI, Akira HOMMA and Takeshi FUKUYO  
all of Shizuoka, Japan

hereinafter called assignor(s), have invented certain improvements in

## MERCURY-FREE ARC TUBE FOR DISCHARGE LAMP UNIT

and executed an application for Letters Patent of the United States of America therefor on

*December . 21 and 22,* 2009; and

Whereas, KOITO MANUFACTURING CO., LTD. ,8-3, Takanawa 4-chome,  
Minato-ku, Tokyo, 108-8711 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to  
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named  
assignee, its successors and assigns, the entire right, title and interest in the application and the  
invention disclosed therein for the United States of America, including the right to claim priority under  
35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any  
Letters Patent granted upon the invention set forth in the application to the assignee, its successors  
and assigns; and I/we will execute without further consideration all papers deemed necessary by the  
assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100  
Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses  
(Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and  
application number of said application when known.

Date: *December . 21. 2009* s/ *Michio Takagaki*  
Michio TAKAGAKI

Date: *December . 22. 2009* s/ *Akira . Homma*  
Akira HOMMA

Date: *December . 21. 2009* s/ *Takeshi Fukuyo*  
Takeshi FUKUYO

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §281)

PATENT

RECORDED: 01/22/2010

REEL: 023833 FRAME: 0291