

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
CONVEYING PARTY DATA																					
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<table border="1"> <tr> <td>Name:</td> <td>TorayIndustries, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Nihonbashi-Muromachi 2-chome</td> </tr> <tr> <td>Internal Address:</td> <td>Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>1038666</td> </tr> </table>		Name:	TorayIndustries, Inc.	Street Address:	1-1, Nihonbashi-Muromachi 2-chome	Internal Address:	Chuo-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	1038666								
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CORRESPONDENCE DATA																					
Fax Number:	6104070701																				
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OP \$40.00 13993530

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ATTORNEY DOCKET NUMBER: TOR-227US

NAME OF SUBMITTER: Andrew J. Koopman

Signature: /Andrew J. Koopman/

Date: 07/09/2013

Total Attachments: 3  
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source=TOR-227assign#page2.tif  
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**ASSIGNMENT - Patent Application**Docket Number: **TOR-227US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. Nobuo Matsumura	2. Yutaka Ishida
	3. Kazunari Kawamoto	4. Kazuki Goto
	5. Takao Kitagawa	6. Takejiro Inoue
	7. Hironobu Sadakuni	8. Hiroki Sekiguchi
	9. Masahiro Yoshioka	

made an invention entitled: **PHOSPHER SHEET, LED AND LIGHT EMITTING DEVICE USING THE SAME AND METHOD FOR MANUFACTURING LED**

for which an application for Letters Patent of the United States:

(Select one of the following):

- ☒ is executed concurrently herewith  
☐ was filed in the U.S. Patent and Trademark Office on \_\_\_\_\_,  
as U.S. Patent Application Serial No.: \_\_\_\_\_

ASSIGNEE  
(Full Name and Address)**Toray Industries, Inc.  
1-1, Nihonbashi-Muromachi 2-chome  
Chuo-ku  
Tokyo 1038666  
JAPAN**

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

**ASSIGNMENT - Patent Application**

Docket Number: TOR-227US

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. <u>Nobuo Matsumura</u>	<u>Nobuo Matsumura</u>	<u>06/05/13</u>
	* Witness to Assignor #1	
2. <u>Yutaka Ishida</u>	<u>Yutaka Ishida</u>	<u>05/30/13</u>
	* Witness to Assignor #2	
3. <u>Kazunari Kawamoto</u>	<u>Kazunari Kawamoto</u>	<u>05/30/13</u>
	* Witness to Assignor #3	
4. <u>Kazuki Goto</u>	<u>Kazuki Goto</u>	<u>June 4, 2013</u>
	* Witness to Assignor #4	
5. <u>Takao Kitagawa</u>	<u>Takao Kitagawa</u>	<u>05/30/13</u>
	* Witness to Assignor #5	
6. <u>Takejiro Inoue</u>	<u>Takejiro Inoue</u>	<u>05/21/13</u>
	* Witness to Assignor #6	
7. <u>Hironobu Sadakuni</u>	<u>Hironobu Sadakuni</u>	<u>05/30/13</u>
	*Witness to Assignor #7	

SIGNATURE

Typed or Printed Name	Signature	Date
8. <u>Hiroki Sekiguchi</u>	<u>Hiroki Sekiguchi</u>	<u>05/30/13</u>
	*Witness to Assignor #8	
9. <u>Masahiro Yoshioka</u>	<u>Masahiro Yoshioka</u>	<u>05/31/13</u>
	* Witness to Assignor #9	

Application for United States Letters Patent:	
Serial No.:	<u>13/993,530</u>
Filed:	<u>June 12, 2013</u>
Attorney Docket Number:	TOR-227US
Total Number of Assignment Pages <u>3</u>	* Witness signature recommended, mandatory for some countries