

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>Kazuhiro Inoue</td> <td>03/10/2011</td> </tr> <tr> <td>Kazuhisa Iwashita</td> <td>03/10/2011</td> </tr> <tr> <td>Teruo Takeuchi</td> <td>03/10/2011</td> </tr> <tr> <td>Gen Watari</td> <td>03/10/2011</td> </tr> <tr> <td>Tetsuro Komatsu</td> <td>03/15/2011</td> </tr> <tr> <td>Tatsuo Tonedachi</td> <td>03/10/2011</td> </tr> </tbody> </table>		Name	Execution Date	Kazuhiro Inoue	03/10/2011	Kazuhisa Iwashita	03/10/2011	Teruo Takeuchi	03/10/2011	Gen Watari	03/10/2011	Tetsuro Komatsu	03/15/2011	Tatsuo Tonedachi	03/10/2011
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RECEIVING PARTY DATA															
Name:	Kabushiki Kaisha Toshiba														
Street Address:	1-1, Shibaura 1-chome, Minato-ku														
City:	Tokyo														
State/Country:	JAPAN														
Postal Code:	105-8001														
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>13053525</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13053525										
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Application Number:	13053525														
CORRESPONDENCE DATA															
Fax Number:	(216)696-8731														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	2166968730														
Email:	jlydic@thepatentattorneys.com														
Correspondent Name:	Gregory Turocy														
Address Line 1:	57th Floor, Key Tower, 127 Public Square														
Address Line 4:	Cleveland, OHIO 44114														
ATTORNEY DOCKET NUMBER:	HYUGP265US														
NAME OF SUBMITTER:	Gregory Turocy														

OP \$40.00 13053525

Total Attachments: 4

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ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Kazuhiro INOUE of Fukuoka-ken, Japan
Kazuhisa IWASHITA of Fukuoka-ken, Japan
Teruo TAKEUCHI of Fukuoka-ken, Japan
Gen WATARI of Fukuoka-ken, Japan
Tetsuro KOMATSU of Fukuoka-ken, Japan
Tatsuo TONEDACHI of Hyogo-ken, Japan

hereby sell and assign to KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

“LED MODULE”

for which application for United States Letters Patent has been filed on March 22, 2011 under Serial No. 13/053,525 or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

The undersigned hereby appoint, request, and grant power to the following law firm to insert on this Assignment 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, for example, the U.S. Serial No. and filing date.

Turocy & Watson, LLP, 57th Floor - Key Tower, 127 Public Square, Cleveland, Ohio 44114.

Signed:

Date:

Kazuhiko Inoue
Kazuhiko INOUE

March 10, 2011

Signed:

Date:

Kazuhisa Iwashita
Kazuhisa IWASHITA

March 10, 2011

Signed:

Date:

Teruo Takeuchi
Teruo TAKEUCHI

March 10, 2011

Signed:

Date:

Gen WATARI
Gen WATARI

March 10, 2011

Signed:

Date:

Tetsuro Komatsu
Tetsuro KOMATSU

March 15, 2011

Signed:

Date:

Tatsuo TONEDACHI

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Date:

Gen WATARI

Signed:

Date:

Tetsuro KOMATSU

Signed:

Date:

Tatsuo Tonedachi
Tatsuo TONEDACHI

10/03/2011