

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>Teruo TAKEUCHI</td><td>01/15/2010</td></tr><tr><td>Tatsuo TONEDACHI</td><td>01/15/2010</td></tr><tr><td>Kazuhisa IWASHITA</td><td>01/15/2010</td></tr><tr><td>Satoshi SHIMIZU</td><td>01/15/2010</td></tr></tbody></table>		Name	Execution Date	Teruo TAKEUCHI	01/15/2010	Tatsuo TONEDACHI	01/15/2010	Kazuhisa IWASHITA	01/15/2010	Satoshi SHIMIZU	01/15/2010
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<table border="1"><tr><td>Name:</td><td>Kabushiki Kaisha Toshiba</td></tr><tr><td>Street Address:</td><td>1-1 Shibaura 1-chome</td></tr><tr><td>City:</td><td>Minato-ku, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>		Name:	Kabushiki Kaisha Toshiba	Street Address:	1-1 Shibaura 1-chome	City:	Minato-ku, Tokyo	State/Country:	JAPAN		
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PROPERTY NUMBERS Total: 1											
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Total Attachments: 2 source=Assignment#page 1.tif											

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PATENT
REEL: 023938 FRAME: 0394

ASSIGNMENT

WHEREAS, we, Teruo TAKEUCHI, Tatsuo TONEDACHI, Kazuhisa IWASHITA and Satoshi SHIMIZU, citizens of Japan, residing at Kitakyushu-shi, Japan; Kitakyushu-shi, Japan; Kitakyushu-shi, Japan; Kitakyushu-shi, Japan, respectively have invented a **"PORTION OF A LIGHT-EMITTING DIODE"** for which an application for a Patent of the United States was executed on even date herewith; and

WHEREAS, Kabushiki Kaisha Toshiba, a corporation of Japan, having a place of business at 1-1 Shibaura 1-chome, Minato-ku, Tokyo, Japan hereinafter the Assignee, is desirous of confirming that it has already been assigned, or, if not already assigned, is desirous of acquiring the entire worldwide legal and beneficial right, title and interest in and to the aforesaid invention, in and to the aforesaid application and in and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said invention, including the right to claim priority of the respective United States Patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the aforesaid Teruo TAKEUCHI, Tatsuo TONEDACHI, Kazuhisa IWASHITA and Satoshi SHIMIZU by these presents do confirm that we did sell, assign and transfer or, if not already done so, do sell, assign and transfer unto Kabushiki Kaisha Toshiba, its successors, legal representatives and assigns, the full, exclusive and worldwide right in and to said invention as described in said application, in and to the aforesaid application and in and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said invention and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, including the right to claim priority of the respective United States Patent application;

AND WE HEREBY agree that the said Assignee may apply for and receive Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world for said invention in its own name, we further authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to record this assignment and issue all said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof to said Assignee;

AND WE HEREBY warrant and covenant that we either had or do have the full right to convey the entire interest herein assigned at the time of the sale, assignment and transfer;

AND WE HEREBY warrant and covenant that we have not executed and will not execute any instrument or assignment in conflict herewith;

AND WE HEREBY agree to communicate to said assignee or its representatives any facts known to us respecting said invention, to execute all divisional, continuation, renewal, reissue and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, sign all lawful documents which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for said invention and to testify in any judicial or administrative proceeding and generally do everything possible to aid said Assignee or any assignee of said Assignee to obtain and enforce said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof worldwide when requested so to do by said Assignee or any assignee of said Assignee.

IN WITNESS WHEREOF, we have hereunto set our hand and seal this 15th day of January, 2010.

Teruo Takeuchi
Teruo TAKEUCHI

Tatsuo Tonedachi
Tatsuo TONEDACHI

Kazuhisa Iwashita
Kazuhisa IWASHITA

Satoshi Shimizu
Satoshi SHIMIZU

WITNESSES:

Akira Tatsuta
Akira TATSUTA