

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Toshiya KOTANI</td> <td>12/22/2009</td> </tr> <tr> <td>Hirimitsu MASHITA</td> <td>12/22/2009</td> </tr> <tr> <td>Takafumi TAGUCHI</td> <td>12/24/2009</td> </tr> <tr> <td>Ryuji OGAWA</td> <td>12/26/2009</td> </tr> </tbody> </table>		Name	Execution Date	Toshiya KOTANI	12/22/2009	Hirimitsu MASHITA	12/22/2009	Takafumi TAGUCHI	12/24/2009	Ryuji OGAWA	12/26/2009
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State/Country:	JAPAN										
Postal Code:	105-8001										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12683993</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12683993						
Property Type	Number										
Application Number:	12683993										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(202)408-4400										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	08411.0176										
NAME OF SUBMITTER:	Sopheareak C. In										
Total Attachments: 1 source=Assignment08411-0176#page1.tif											

OP \$40.00 12683993

**501060566**

**PATENT**  
**REEL: 023752 FRAME: 0789**

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by  
*(Insert Name(s) & Address(es) of ASSIGNEE(S))*

**Kabushiki Kaisha Toshiba**

**1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan**

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
*(Title of Invention)*

## PATTERN GENERATING METHOD, METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE, COMPUTER PROGRAM PRODUCT, AND PATTERN-SHAPE-DETERMINATION-PARAMETER GENERATING METHOD

relating to International Patent Application \_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_;

*(Insert date of execution of application, if not concurrent)*

(b) filed on \_\_\_\_\_;

Serial No. \_\_\_\_\_;

*Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.*

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Toshiya Kotani</u> <i>(Signature)</i>	<u>Toshiya KOTANI</u> <i>(Type Name)</i>	<u>Dec. 22, 2009</u> <i>(Date)</i>
2) <u>Hiromitsu Mashita</u> <i>(Signature)</i>	<u>Hiromitsu MASHITA</u> <i>(Type Name)</i>	<u>Dec. 22, 2009</u> <i>(Date)</i>
3) <u>Takafumi Taguchi</u> <i>(Signature)</i>	<u>Takafumi TAGUCHI</u> <i>(Type Name)</i>	<u>Dec. 24, 2009</u> <i>(Date)</i>
4) <u>Ryuji Ogawa</u> <i>(Signature)</i>	<u>Ryuji OGAWA</u> <i>(Type Name)</i>	<u>Dec. 26, 2009</u> <i>(Date)</i>
5) _____ <i>(Signature)</i>	_____ <i>(Type Name)</i>	_____ <i>(Date)</i>
6) _____ <i>(Signature)</i>	_____ <i>(Type Name)</i>	_____ <i>(Date)</i>

PATENT