

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>Yoko TAKEKAWA</td> <td>08/27/2012</td> </tr> <tr> <td>Masafumi ASANO</td> <td>08/27/2012</td> </tr> <tr> <td>Yingkang ZHANG</td> <td>08/24/2012</td> </tr> <tr> <td>Kazuhiro TAKAHATA</td> <td>08/28/2012</td> </tr> <tr> <td>Tomoko OJIMA</td> <td>08/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yoko TAKEKAWA	08/27/2012	Masafumi ASANO	08/27/2012	Yingkang ZHANG	08/24/2012	Kazuhiro TAKAHATA	08/28/2012	Tomoko OJIMA	08/28/2012
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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, Minato-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>105-8001</td> </tr> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8001		
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Application Number:	13604076												
CORRESPONDENCE DATA													
Fax Number:	2024084400												
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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ATTORNEY DOCKET NUMBER:	08411.0299												
NAME OF SUBMITTER:	Veronica Bayne												
Total Attachments: 1 source=08411_0299_Assignment#page1.tif													

OP \$40.00 13604076

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)

MASK PATTERN CREATION METHOD, RECORDING MEDIUM, AND SEMICONDUCTOR DEVICE MANUFACTURING 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>Yuko Yano</u> (Signature)	Yoko TAKEKAWA (Type Name)	Aug 27th, 2012 (Date)
2) <u>Masafumi Asano</u> (Signature)	Masafumi ASANO (Type Name)	Aug 27, 2012 (Date)
3) <u>Yingkang Zhang</u> (Signature)	Yingkang ZHANG (Type Name)	Aug. 24, 2012 (Date)
4) <u>Kazuhiro Takahata</u> (Signature)	Kazuhiro TAKAHATA (Type Name)	Aug. 28, 2012 (Date)
5) <u>Tomoko Ojima</u> (Signature)	Tomoko OJIMA (Type Name)	Aug 28, 2012 (Date)