

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>Masaki MIKAMI</td> <td>02/29/2012</td> </tr> <tr> <td>Mitsuhiko KOMAKINE</td> <td>03/02/2012</td> </tr> <tr> <td>Yoshiaki IKUTA</td> <td>03/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masaki MIKAMI	02/29/2012	Mitsuhiko KOMAKINE	03/02/2012	Yoshiaki IKUTA	03/01/2012
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Masaki MIKAMI	02/29/2012								
Mitsuhiko KOMAKINE	03/02/2012								
Yoshiaki IKUTA	03/01/2012								
RECEIVING PARTY DATA									
Name:	Asahi Glass Company, Limited								
Street Address:	5-1, Marunouchi 1-chome, Chiyoda-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	100-8405								
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>13478532</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13478532				
Property Type	Number								
Application Number:	13478532								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	396297US99CONT								
NAME OF SUBMITTER:	Malisa Savanh								
Total Attachments: 2 source=396297USassignment#page1.tif source=396297USassignment#page2.tif									

OP \$40.00 13478532

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Masaki Mikami of Chiyoda-ku, Tokyo, Japan,
Mitsuhiko Komakine of Chiyoda-ku, Tokyo, Japan and
Yoshiaki Ikuta of Chiyoda-ku, Tokyo, Japan

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: REFLECTIVE LAYER-EQUIPPED SUBSTRATE FOR EUV LITHOGRAPHY, REFLECTIVE MASK BLANK FOR EUV LITHOGRAPHY, REFLECTIVE MASK FOR EUV LITHOGRAPHY, AND PROCESS FOR PRODUCTION OF THE REFLECTIVE LAYER-EQUIPPED SUBSTRATE
(Application No. 13/478,532 , filed May 23, 2012), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, Asahi Glass Company, Limited
(hereinafter referred to as "ASSIGNEE") having a place of business at: 5-1, Marunouchi 1-chome, Chiyoda-ku, TOKYO 100-8405, JAPAN is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Feb 29, 2012

Masaki Mikami
(Signature of Inventor) Masaki Mikami

Date: March 2, 2012

M. Komakine
(Signature of Inventor) Mitsuhiko Komakine

Date: Mar 1, 2012

Yoshiaki Ikuta
(Signature of Inventor) Yoshiaki Ikuta

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314