

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Kazuyuki HAYASHI</td><td>06/11/2008</td></tr><tr><td>Kazuo KADOWAKI</td><td>06/24/2008</td></tr><tr><td>Takashi SUGIYAMA</td><td>06/27/2008</td></tr><tr><td>Masaki MIKAMI</td><td>06/18/2008</td></tr></tbody></table>	Name	Execution Date	Kazuyuki HAYASHI	06/11/2008	Kazuo KADOWAKI	06/24/2008	Takashi SUGIYAMA	06/27/2008	Masaki MIKAMI	06/18/2008	
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RECEIVING PARTY DATA											
Name:	ASAHI GLASS COMPANY, LIMITED										
Street Address:	12-1, Yurakucho 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>12205967</td></tr></tbody></table>	Property Type	Number	Application Number:	12205967							
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Application Number:	12205967										
CORRESPONDENCE DATA											
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Address Line 4:	Alexandria, VIRGINIA 22314										
ATTORNEY DOCKET NUMBER:	329594US										
NAME OF SUBMITTER:	Kathy Mankin										
Total Attachments: 2 source=329594USASSIGNMENT#page1.tif											

OP \$40.00 12205967

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PATENT
REEL: 021494 FRAME: 0109

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Kazuyuki Hayashi, Kazuo Kadowaki, Takashi Sugiyama and Masaki Mikami
all of Tokyo, Japan

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: REFLECTIVE MASK BLANK FOR EUV LITHOGRAPHY

(Application No. 12/205,967, filed September 8, 2008), 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: 12-1, Yurakucho 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 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 Letter 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, P.C. 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: 06/11/08

Kazuyuki Hayashi
(Signature of Inventor) Kazuyuki Hayashi

Date: 06/24/08

Kazuo Kadowaki
(Signature of Inventor) Kazuo Kadowaki

Date: 06/27/08
~~06/24/08~~

Takashi Sugiyama
(Signature of Inventor) Takashi Sugiyama
Kazu Kadowaki 6/24 K.K.

Date: 06/18/08

Masaki Mikami
(Signature of Inventor) Masaki Mikami

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314