

## 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>Takanori YAMAGISHI</td><td>07/28/2006</td></tr><tr><td>Takayoshi OKADA</td><td>07/28/2006</td></tr><tr><td>Satoshi YAMAGUCHI</td><td>07/20/2006</td></tr><tr><td>Kiyomi MIKI</td><td>07/31/2006</td></tr></tbody></table>	Name	Execution Date	Takanori YAMAGISHI	07/28/2006	Takayoshi OKADA	07/28/2006	Satoshi YAMAGUCHI	07/20/2006	Kiyomi MIKI	07/31/2006	
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Kiyomi MIKI	07/31/2006										
RECEIVING PARTY DATA											
Name:	MARUZEN PETROCHEMICAL CO., LTD.										
Street Address:	25-10, Hacchobori 2-chome, Chuo-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	104-8502										
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>11587592</td></tr></tbody></table>	Property Type	Number	Application Number:	11587592							
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Application Number:	11587592										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
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NAME OF SUBMITTER:	Chai Xiong										
Total Attachments: 2 source=297888usAssignment#page1.tif											

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PATENT  
REEL: 019697 FRAME: 0412



## Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS.

WHEREAS, I (WE) (1) Takanori YAMAGISHI (2) Takayoshi OKADA (3) Satoshi YAMAGUCHI (4) Kiyomi MIKI

(1) of 3-8-12, Yakigaya, Funabashi-shi, Chiba 274-0802 Japan

(2) and (3) of 1-4-6, Higashikokubunjidai, Ichihara-shi, Chiba 290-0074 Japan

(4) of 2456-2, Goi, Ichihara-shi, Chiba, 290-0056 Japan

, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: COPOLYMER FOR SEMICONDUCTOR LITHOGRAPHY  
AND PRODUCING METHOD THEREOF. AND COMPOSITION

(Application No. 11/587,592, filed October 25, 2006), and

WHEREAS, MARUZEN PETROCHEMICAL CO., LTD.

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 25-10, Hacchobori 2-chome, Chuo-ku, Tokyo 104-8502 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 2 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: 2006. 7. 28

Takanori Yamagishi  
(Signature of Inventor) Takanori YAMAGISHI

Date: 2006. 7. 28

Takayoshi Okada  
(Signature of Inventor) Takayoshi OKADA

Date: 2006. 7. 20

Satoshi Yamaguchi  
(Signature of Inventor) Satoshi YAMAGUCHI

Date: 2006. 7. 31

Kiyomi Miki  
(Signature of Inventor) Kiyomi MIKI

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

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(Signature of Inventor)

Date: \_\_\_\_\_

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(Signature of Inventor)

Date: \_\_\_\_\_

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(Signature of Inventor)

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