

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>Shinichi IGARASHI</td><td>12/24/2009</td></tr><tr><td>Hideo KANEKO</td><td>12/24/2009</td></tr><tr><td>Yukio INAZUKI</td><td>12/24/2009</td></tr><tr><td>Kazuhiro NISHIKAWA</td><td>12/24/2009</td></tr></tbody></table>		Name	Execution Date	Shinichi IGARASHI	12/24/2009	Hideo KANEKO	12/24/2009	Yukio INAZUKI	12/24/2009	Kazuhiro NISHIKAWA	12/24/2009
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Shin-Etsu Chemical Co., Ltd.</td></tr><tr><td>Street Address:</td><td>6-1, Otemachi 2-chome, Chiyoda-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>		Name:	Shin-Etsu Chemical Co., Ltd.	Street Address:	6-1, Otemachi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN		
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PROPERTY NUMBERS Total: 1											
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Application Number:	12687539										
CORRESPONDENCE DATA											
Fax Number: (703)205-8050 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: (703) 205-8000											
Email: oanh.k.dong@bskb.com											
Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP											
Address Line 1: P. O. BOX 747											
Address Line 4: FALLS CHURCH, VIRGINIA 22040-0747											
ATTORNEY DOCKET NUMBER:	0171-1544PUS1										
NAME OF SUBMITTER:	Gerald M. Murphy, Jr.										
Total Attachments: 2 source=assignment#page1.tif source=assignment#page2.tif											

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ATTORNEY DOCKET NO.
0171-1544PUS1

ASSIGNMENT

Application No. 12/687,539

Filed 1/14/2010

Insert Name(s) of Inventor(s) ➡ WHEREAS, Shinichi IGARASHI, Hideo KANEKO, Yukio INAZUKI and

Kazuhiro NISHIKAWA of

Joetsu-shi, Niigata-ken, Japan, Joetsu-shi, Niigata-ken, Japan,

Joetsu-shi, Niigata-ken, Japan and Joetsu-shi, Niigata-ken, Japan

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____

Insert Title of Invention ➡ Photomask Making Method, Photomask Blank and Dry Etching Method

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date of Signing of Application ➡ on December 24, 2009; and

Insert Name of Assignee ➡ WHEREAS, Shin-Etsu Chemical Co., Ltd.

Insert Address of Assignee ➡ of 6-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan

CHECK BOX IF APPROPRIATE ➡ ☐ its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

☐ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>December 24, 2009</u> ,	Name of Inventor <u>Shinichi Igarashi</u> (signature) <u>Shinichi IGARASHI</u>
Date <u>December 24, 2009</u> ,	Name of Inventor <u>Hideo Kaneko</u> (signature) <u>Hideo KANEKO</u>
Date <u>December 24, 2009</u> ,	Name of Inventor <u>Yukio Inazuki</u> (signature) <u>Yukio INAZUKI</u>
Date <u>December 24, 2009</u> ,	Name of Inventor <u>Kazuhiro Nishikawa</u> (signature) <u>Kazuhiro NISHIKAWA</u>
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)

PATENT

RECORDED: 01/15/2010

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