

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>Naotsugu HOSHI</td><td>02/02/2009</td></tr><tr><td>Noriyuki KOBAYASHI</td><td>10/31/2008</td></tr></tbody></table>		Name	Execution Date	Naotsugu HOSHI	02/02/2009	Noriyuki KOBAYASHI	10/31/2008				
Name	Execution Date										
Naotsugu HOSHI	02/02/2009										
Noriyuki KOBAYASHI	10/31/2008										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>TOKYO ELECTRON LIMITED</td></tr><tr><td>Street Address:</td><td>3-1, Akasaka 5-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>107-6325</td></tr></table>		Name:	TOKYO ELECTRON LIMITED	Street Address:	3-1, Akasaka 5-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	107-6325
Name:	TOKYO ELECTRON LIMITED										
Street Address:	3-1, Akasaka 5-chome, Minato-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	107-6325										
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>12273209</td></tr></tbody></table>		Property Type	Number	Application Number:	12273209						
Property Type	Number										
Application Number:	12273209										
CORRESPONDENCE DATA											
Fax Number: (703)413-2220 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: (703) 413-3000											
Email: mshirai@oblon.com											
Correspondent Name: Mihoko Shirai											
Address Line 1: 1940 Duke Street											
Address Line 4: Alexandria, VIRGINIA 22314											
ATTORNEY DOCKET NUMBER:	334976US										
NAME OF SUBMITTER:	Mihoko Shirai										
Total Attachments: 2 source=334976USAssignment#page1.tif source=334976USAssignment#page2.tif											

OP \$40.00 12273209

500778155

PATENT
REEL: 022239 FRAME: 0043

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Naotsugu HOSHI of Portland, OR, U.S., and Noriyuki KOBAYASHI of Nirasaki-shi, Japan

_____, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: PLASMA ETCHING METHOD AND STORAGE MEDIUM

(Application No. 12/273,209, filed November 18, 2008), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, TOKYO ELECTRON LIMITED

(hereinafter referred to as "ASSIGNEE") having a place of business at: 3-1, Akasaka 5-chome, Minato-ku, Tokyo 107-6325, 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: <u>2. Feb. 2009</u>	<u>February 2, 2009 N.H.</u> <u><i>Naotsugu Hoshi</i></u> (Signature of Inventor) Naotsugu HOSHI
Date: <u>31. Oct. 2008.</u>	<u><i>Noriyuki Kobayashi</i></u> (Signature of Inventor) Noriyuki KOBAYASHI
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

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

12/04