

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kentaro KADONAGA</td> <td>04/21/2009</td> </tr> <tr> <td>Yamato TONEGAWA</td> <td>04/14/2009</td> </tr> <tr> <td>Pao-Hwa CHOU</td> <td>04/21/2009</td> </tr> <tr> <td>Kazuhide HASEBE</td> <td>04/27/2009</td> </tr> <tr> <td>Tetsuya SHIBATA</td> <td>04/27/2009</td> </tr> </tbody> </table>		Name	Execution Date	Kentaro KADONAGA	04/21/2009	Yamato TONEGAWA	04/14/2009	Pao-Hwa CHOU	04/21/2009	Kazuhide HASEBE	04/27/2009	Tetsuya SHIBATA	04/27/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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		
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CORRESPONDENCE DATA													
<p>Fax Number: (202)263-4374 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202.263.4300</p> <p>Email: AROBERTS@SGRLAW.COM</p> <p>Correspondent Name: MICHAEL A. MAKUCH</p> <p>Address Line 1: 1130 CONNECTICUT AVENUE, N.W.,SUITE 1130</p> <p>Address Line 2: SMITH, GAMBRELL & RUSSELL, LLP</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20036</p>													
ATTORNEY DOCKET NUMBER:	033082M616												
NAME OF SUBMITTER:	Ayisha M. Roberts												

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PATENT
REEL: 022800 FRAME: 0571

Total Attachments: 2

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ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

FILM FORMATION METHOD AND APPARATUS FOR FORMING SILICON-CONTAINING
INSULATING FILM DOPED WITH METAL

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☒ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
☐ U.S. patent application Serial No. _____ filed _____.
☐ a U.S. patent application based on PCT International Application No. _____ filed on _____, U.S. patent application Serial No. _____, if known).
☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights only.
☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEES referred to in this agreement are:

(Name of Assignee)
(Address)

Tokyo Electron Limited
3-1, Akasaka 5-chome
Minato-Ku, Tokyo 107-6325
JAPAN

The ASSIGNEE is:

- (check one) ☐ An Individual.
☐ A Partnership.
☒ A Corporation of JAPAN (specify state or country)
☐ (other)

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
TOKYO ELECTRON LIMITED

The ASSIGNOR(S), receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEES, their successors and assigns:

the full and exclusive right to the invention;
the entire right, title and interest in and to the PATENT RIGHTS;
the right to sue and recover for any past infringement; and,
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions,
based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEES as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEES, their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEES, or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEES, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

<u>Kentaro KADONAGA</u>	<u>Kentaro Kadonaga</u>	<u>Apr 21, 2009</u>
Name of sole or first inventor	Signature	Date
<u>Yamato TONEGAWA</u>	<u>Yamato Tonegawa</u>	<u>Apr 14, 2009</u>
Name of second inventor	Signature	Date
<u>Pao-Hwa CHOU</u>	<u>Pao-Hwa Chou</u>	<u>Apr. 21, 2009</u>
Name of third inventor	Signature	Date
<u>Kazuhide HASEBE</u>	<u>Kazuhide Hasebe</u>	<u>Apr. 29, 2009</u>
Name of fourth inventor	Signature	Date
<u>Tetsuya SHIBATA</u>	<u>Tetsuya Shibata</u>	<u>Apr. 27, 2009</u>
Name of fifth inventor	Signature	Date