

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>Naoyuki SATOH</td><td>09/28/2011</td></tr><tr><td>Nobuyuki NAGAYAMA</td><td>09/28/2011</td></tr><tr><td>Keiichi NAGAKUBO</td><td>09/28/2011</td></tr></tbody></table>	Name	Execution Date	Naoyuki SATOH	09/28/2011	Nobuyuki NAGAYAMA	09/28/2011	Keiichi NAGAKUBO	09/28/2011	
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Naoyuki SATOH	09/28/2011								
Nobuyuki NAGAYAMA	09/28/2011								
Keiichi NAGAKUBO	09/28/2011								
RECEIVING PARTY DATA									
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>13245194</td></tr></tbody></table>	Property Type	Number	Application Number:	13245194					
Property Type	Number								
Application Number:	13245194								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif									

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PATENT
REEL: 027020 FRAME: 0048

ASSIGNMENT

WHEREAS We,

Naoyuki SATOH of c/o Tokyo Electron Miyagi Limited, 2381-1 Kitagejo, Fujii-cho, Nirasaki City, Yamanashi 407-8511, Japan,

Nobuyuki NAGAYAMA of c/o Tokyo Electron Miyagi Limited, 2381-1 Kitagejo, Fujii-cho, Nirasaki City, Yamanashi 407-8511, Japan and

Keiichi NAGAKUBO of c/o Tokyo Electron Yamanashi Limited, 2381-1 Kitagejo, Fujii-cho, Nirasaki City, Yamanashi 407-8511, Japan (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

**ELECTRODE PLATE FOR PLASMA ETCHING AND
PLASMA ETCHING APPARATUS**

which claims priority to Japanese Patent Application No. 2010-215315, filed on September 27, 2010 and U.S. Patent Application No. 61/407650, filed on October 28, 2010, and for which We are about to file an application for Letters Patent of the United States;

AND WHEREAS, **TOKYO ELECTRON LIMITED** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Japan, having a place of business at Address: **3-1 Akasaka 5-chome, Minato-ku, Tokyo 107-6325, Japan**, is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any

and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: Sept. 28. 2011

Naoyuki Satoh
Naoyuki SATOH

Date: Sept. 28. 2011

Nobuyuki Nagayama
Nobuyuki NAGAYAMA

Date: Sept. 28. 2011

Keiichi Nagakubo
Keiichi NAGAKUBO

Date: _____
