

## 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>Jianping Zhao</td> <td>04/18/2013</td> </tr> <tr> <td>Lee Chen</td> <td>04/18/2013</td> </tr> <tr> <td>Merritt Funk</td> <td>04/18/2013</td> </tr> <tr> <td>Iwao Toshihiko</td> <td>03/18/2013</td> </tr> <tr> <td>Peter L.G. Ventzek</td> <td>03/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jianping Zhao	04/18/2013	Lee Chen	04/18/2013	Merritt Funk	04/18/2013	Iwao Toshihiko	03/18/2013	Peter L.G. Ventzek	03/15/2013
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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>Internal Address:</td> <td>Akasaka Biz Tower</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	Internal Address:	Akasaka Biz Tower	City:	Tokyo	State/Country:	JAPAN	Postal Code:	107-6325
Name:	Tokyo Electron Limited												
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: 5132416234  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 513-241-2324        Email: dgoodman@whe-law.com        Correspondent Name: Wood, Herron &amp; Evans, LLP        Address Line 1: 441 Vine Street        Address Line 2: Suite 2700        Address Line 4: Cincinnati, OHIO 45202</p>													
ATTORNEY DOCKET NUMBER:	TEA-074US1												

OP \$40.00 13842532

NAME OF SUBMITTER:	Debbie C. Goodman
Signature:	/Debbie C. Goodman/
Date:	05/15/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 4 source=TEA-074US1 Executed Declaration-Assignment#page1.tif source=TEA-074US1 Executed Declaration-Assignment#page2.tif source=TEA-074US1 Executed Declaration-Assignment#page3.tif source=TEA-074US1 Executed Declaration-Assignment#page4.tif</p>	

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

Title of Invention: PLASMA TUNING RODS IN MICROWAVE RESONATOR PLASMA SOURCES

As the below named inventor, I hereby declare that:

This Declaration is directed to:

☐ The attached application  
OR  
☒ United States Application Number or PCT International Application  
Number 13/842,532 filed on March 15, 2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

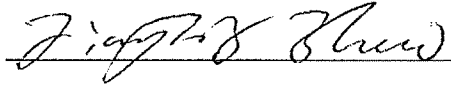
Whereas Tokyo Electron Limited, Corporation of Japan, having a place of business of Akasaka Biz Tower, 3-1 Akasaka 5-Chome, Minato-Ku, Tokyo, 107-6325, JAPAN (herein referred to as the "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to the ASSIGNEE, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;


Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent,


and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the ASSIGNEE and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

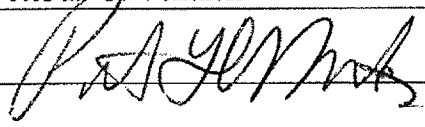
I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of Inventor: Jianping Zhao  
Inventor's Signature:  Date: 4/18/2013  
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Mailing Address: 6424 Magenta Lane, Austin, Texas 78739  
Citizenship: People's Republic of China

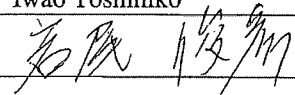
Legal name of Inventor: Lee Chen  
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