

PATENT ASSIGNMENT

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Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <tr> <th>Name</th> <th>Execution Date</th> </tr> <tr> <td>Sergey A. Voronin</td> <td>12/18/2012</td> </tr> <tr> <td>Alok Ranjan</td> <td>12/18/2012</td> </tr> </table>		Name	Execution Date	Sergey A. Voronin	12/18/2012	Alok Ranjan	12/18/2012						
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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>Akasaka Biz Tower</td> </tr> <tr> <td>Internal 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:	Akasaka Biz Tower	Internal Address:	3-1 Akasaka 5-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	107-6325
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PROPERTY NUMBERS Total: 1													
<table border="1"> <tr> <th>Property Type</th> <th>Number</th> </tr> <tr> <td>Application Number:</td> <td>13720485</td> </tr> </table>		Property Type	Number	Application Number:	13720485								
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CORRESPONDENCE DATA													
<p>Fax Number: 5132416234</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 5132412324</p> <p>Email: dgoodman@whe-law.com</p> <p>Correspondent Name: Kristi L. Davidson, Esq.</p> <p>Address Line 1: 441 Vine Street, 2700 Carew Tower</p> <p>Address Line 2: Wood, Herron & Evans, LLP</p> <p>Address Line 4: Cincinnati, OHIO 45202</p>													
ATTORNEY DOCKET NUMBER:	TTCA-431US1												
NAME OF SUBMITTER:	Debbie C. Goodman												
	This document serves as an Oath/Declaration (37 CFR 1.63).												
<p>Total Attachments: 2</p> <p>source=TTCA-413US1_Executed_Assignment#page1.tif</p> <p>source=TTCA-413US1_Executed_Assignment#page2.tif</p>													

OP \$40.00 13720485

**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: CONTROL OF UNIFORMITY IN A SURFACE WAVE
PLASMA SOURCE**

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 13/720,485 filed on December 19, 2012 .

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, a corporation of Japan having a place of business at Akasaka Biz Tower, 3-1 Akasaka 5-chome, Minato-ku, Tokyo 107-6325 JAPAN, (herein referred to as "TOKYO ELECTRON"), desires to acquire, and each undersigned inventor desires to grant to TOKYO ELECTRON, 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 TOKYO ELECTRON (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: Sergey A. Voronin

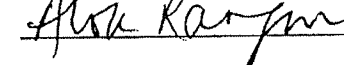
Inventor's Signature:  Date: 12/18/2012

Residence
City/State/Country: Rensselaer, New York, United States of America

Mailing Address: 7212 Oak Hill Circle, Rensselaer, NY 12144

Citizenship: United Kingdom

Legal name of Inventor: Alok Ranjan

Inventor's Signature:  Date: 12/18/2012

Residence
City/State/Country: Slingerlands, New York, United States of America

Mailing Address: 200 Blessing Road, Apt. 67, Slingerlands, NY 12159

Citizenship: India