

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Huatan QIU</td><td>03/26/2008</td></tr><tr><td>Woody CHUNG</td><td>03/26/2008</td></tr><tr><td>Anirban GUHA</td><td>03/26/2008</td></tr><tr><td>David CHEUNG</td><td>03/26/2008</td></tr></tbody></table>	Name	Execution Date	Huatan QIU	03/26/2008	Woody CHUNG	03/26/2008	Anirban GUHA	03/26/2008	David CHEUNG	03/26/2008	
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Huatan QIU	03/26/2008										
Woody CHUNG	03/26/2008										
Anirban GUHA	03/26/2008										
David CHEUNG	03/26/2008										
RECEIVING PARTY DATA											
Name:	NOVELLUS SYSTEMS, INC.										
Street Address:	4000 N. First Street										
City:	San Jose										
State/Country:	CALIFORNIA										
Postal Code:	95134										
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>12052401</td></tr></tbody></table>	Property Type	Number	Application Number:	12052401							
Property Type	Number										
Application Number:	12052401										
CORRESPONDENCE DATA											
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ATTORNEY DOCKET NUMBER:	004.0225										
NAME OF SUBMITTER:	Cindy H. Kwacala										
Total Attachments: 5											
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PATENT
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United States Utility Patent Application
Attorney Docket No.: 004.0225
First Named Inventor: Huatan QIU

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

GAS FLOW DISTRIBUTION RECEPTACLES, PLASMA GENERATOR SYSTEMS, AND METHODS FOR PERFORMING PLASMA STRIPPING PROCESSES

for which application for Letters Patent of the United States:

- ☐ has been executed on even date herewith;
- ☐ executed on _____;
- ☒ was filed on March 20, 2008 and assigned U.S. Application Serial No. 12/052,401 ;

AND WHEREAS, Novellus Systems, Inc., a corporation, having a place of business at 4000 N. First Street, San Jose, CA 95134 (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring an interest therein;

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

AND ASSIGNOR HEREBY AGREES to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

AND ASSIGNOR authorizes **ASSIGNEE**, its successors, assigns, and legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained;

ASSIGNOR AGREEING, FURTHERMORE, upon request of **ASSIGNEE**, and without further remuneration, to execute any and all papers desired by **ASSIGNEE** for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in **ASSIGNEE**.

EXECUTED as of the date(s) written below by **ASSIGNOR**:

[Signature]
Inventor's Signature

Date: 3/26/08

Huatan QIU
Inventor's Printed Name

State of California)
County of SANTA CLARA)

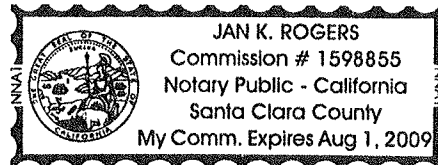
On MARCH 26, 2008 before me, JAN K. ROGERS, NOTARY PUBLIC
Date Here insert Name and Title of the Officer
personally appeared HUATAN QIU
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

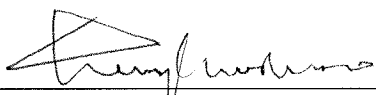
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature]
Signature of Notary Public



(Seal)


Inventor's Signature

Date: MAR. 26, 2008

Woody CHUNG
Inventor's Printed Name

State of California)
County of SANTA CLARA)

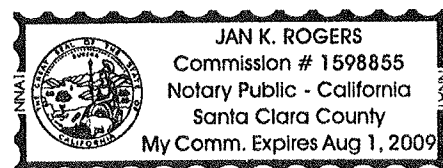
On MARCH 26, 2008 before me, JAN K. ROGERS, NOTARY PUBLIC
Date Here insert Name and Title of the Officer
personally appeared WOODY CHUNG
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature 
Signature of Notary Public



(Seal)

Anirban Guha
Inventor's Signature

Date: 03/26/08

Anirban GUHA
Inventor's Printed Name

State of California)
County of Santa Clara)

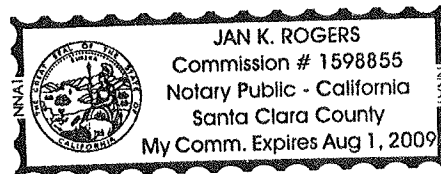
On MARCH 26, 2008 before me, JAN K. ROGERS, Notary Public
Date Here insert Name and Title of the Officer
personally appeared ANIRBAN GUHA
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

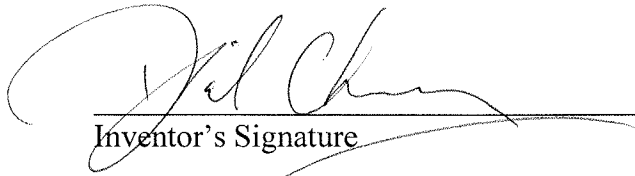
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WITNESS my hand and official seal.

Signature JAN K. ROGERS
Signature of Notary Public



(Seal)


Inventor's Signature

Date: 3/26/08

David CHEUNG
Inventor's Printed Name

State of California)
County of SANTA CLARA)

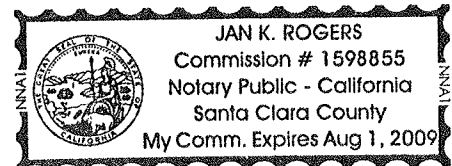
On MARCH 26, 2008 before me, JAN K. ROGERS, NOTARY PUBLIC
Date Here insert Name and Title of the Officer
personally appeared DAVID CHEUNG
Name(s) of Signer(s)

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