

## 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>Lee Peng Chua</td> <td>04/02/2013</td> </tr> <tr> <td>Steven T. Mayer</td> <td>04/02/2013</td> </tr> <tr> <td>Thomas A. Ponnuswamy</td> <td>04/03/2013</td> </tr> <tr> <td>Santosh Kumar</td> <td>04/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Lee Peng Chua	04/02/2013	Steven T. Mayer	04/02/2013	Thomas A. Ponnuswamy	04/03/2013	Santosh Kumar	04/03/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Novellus Systems, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>4650 Cushing Parkway</td> </tr> <tr> <td>City:</td> <td>FREMONT</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94538</td> </tr> </table>		Name:	Novellus Systems, Inc.	Street Address:	4650 Cushing Parkway	City:	FREMONT	State/Country:	CALIFORNIA	Postal Code:	94538
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CORRESPONDENCE DATA											
Fax Number: 5106630920 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 510-663-1100 Email: lervin@wavsip.com Correspondent Name: Weaver Austin Villeneuve & Sampson LLP Address Line 1: P.O. Box 70250 Address Line 4: Oakland, CALIFORNIA 94612-0250											
ATTORNEY DOCKET NUMBER:	NOVLP454/NVLS003723										
NAME OF SUBMITTER:	Denise Bergin										
Signature:	/Denise Bergin/										

Date:

05/14/2013

Total Attachments: 2

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Attorney Docket No. NOVLP454/NVLS003723

## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned named inventor, possess the right, title and interest for and in the Invention(s) as set forth in the patent application entitled: **CLEANING ELECTROPLATING SUBSTRATE HOLDERS USING REVERSE CURRENT DEPLATING** (Atty. Docket No. NOVLP454/NVLS003723), and

(1) for which I have executed a U.S. patent application;

AND/OR

(2) the same having been filed on March 29, 2013, as Application No. 13/853,935;

OR

(3) which is a U.S. Provisional Patent Application filed on Application No. (\_\_\_\_\_);

in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number 83422 to insert within the foregoing parentheses the filing date and/or Application No. of said application when known.

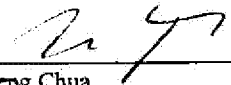
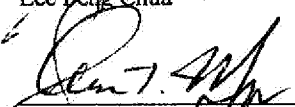
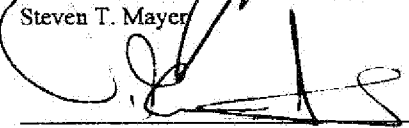
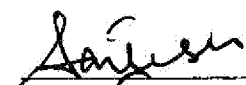
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned named inventor, hereby:

- 1) Sell, assign and transfer to **Novellus Systems, Inc.**, a California corporation having a place of business at 4650 Cushing Parkway, Fremont, CA 94538 ("ASSIGNEE"), the entire right, title and interest in the above-referenced application including any and all improvements and inventions disclosed therein, and in applications based upon, and patents (including foreign patents and the right to claim priority) granted upon, the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the named inventor, as well as the named inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Assign US or Foreign Patent Application (No Notary)

PATENT  
REEL: 030415 FRAME: 0069

Signed on the date indicated beside my signature.

- 1) Signature:   
Typed Name: Lee Peng Chua Date: 4/2/13
- 2) Signature:   
Typed Name: Steven T. Mayer Date: 4/2/13
- 3) Signature:   
Typed Name: Thomas A. Ponnuswamy Date: 4/3/13
- 4) Signature:   
Typed Name: Santosh Kumar Date: 4/3/13

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