

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

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>Jonathan D. Reid</td><td>09/28/2009</td></tr><tr><td>Seshasayee Varadarajan</td><td>09/28/2009</td></tr><tr><td>Steven T. Mayer</td><td>09/28/2009</td></tr></tbody></table>		Name	Execution Date	Jonathan D. Reid	09/28/2009	Seshasayee Varadarajan	09/28/2009	Steven T. Mayer	09/28/2009		
Name	Execution Date										
Jonathan D. Reid	09/28/2009										
Seshasayee Varadarajan	09/28/2009										
Steven T. Mayer	09/28/2009										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Novellus Systems, Inc.</td></tr><tr><td>Street Address:</td><td>3970 North First Street</td></tr><tr><td>City:</td><td>San Jose</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95134</td></tr></table>		Name:	Novellus Systems, Inc.	Street Address:	3970 North First Street	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134
Name:	Novellus Systems, Inc.										
Street Address:	3970 North 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>12577619</td></tr></tbody></table>		Property Type	Number	Application Number:	12577619						
Property Type	Number										
Application Number:	12577619										
CORRESPONDENCE DATA											
Fax Number: (510)663-0920 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 510-663-1100											
Email: mterry@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:	NOVLP325										
NAME OF SUBMITTER:	Anna Gavrilova										
Total Attachments: 2 source=NOVLP325_AssignmentSigned#page1.tif source=NOVLP325_AssignmentSigned#page2.tif											

CH \$40.00 12577619

500986353

PATENT
REEL: 023359 FRAME: 0536

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

Electrolyte Concentration Control System For High Rate Electroplating

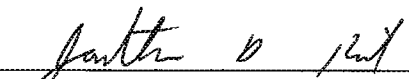
(Atty. Docket No. NOVLP325/NVLS-3561), (check one)

- ☒ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
☐ which bears U.S. application No. _____. (Not accompanying)
☐ which is a U.S. provisional application. (Accompanying)

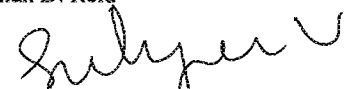
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to Novellus Systems, Inc., a California corporation having a place of business at 3970 North First Street, San Jose, California 95134 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States 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 representatives, and shall be binding upon the inventor, as well as the 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.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

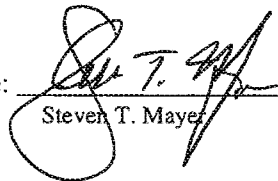
Signed on the date indicated beside my signature.

1. Inventor Signature: 
Jonathan D. Reid

Date: 9/28/09

2. Inventor Signature: 
Seshasayee Varadarajan

Date: 9/28/09

3. Inventor Signature: 
Steven T. Mayer

Date: 9/28/09