

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kie Jin PARK	09/22/2011
Jeong Seok NA	09/22/2011
Victor LU	09/22/2011
RECEIVING PARTY DATA	
Name:	NOVELLUS SYSTEMS, INC.
Street Address:	4000 North First Street
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13244009
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ATTORNEY DOCKET NUMBER:	NOVLP397/NVLS003659
NAME OF SUBMITTER:	Stephen C. Glade
Total Attachments: 1 source=NOVLP397_Executed_Assignment#page1.tif	

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ASSIGNMENT OF PATENT APPLICATION

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

ION-INDUCED ATOMIC LAYER DEPOSITION OF TANTALUM


(Atty. Docket No. NOVLP397/NVLS003659), (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)

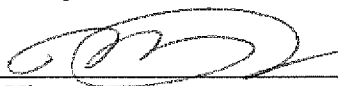
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to Novellus Systems, Inc., a California corporation having a place of business at 4000 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:  Date: 9/22/11
Kie Jin PARK

2. Inventor Signature:  Date: 9/22/11
Jeong Seok NA

3. Inventor Signature:  Date: 9/22/11
Victor Lu

Revised 01/02, Assign No Notary